



Alcatel-Lucent 5620

SERVICE AWARE MANAGER | RELEASE 9.0 R4
OPTICAL ALARM REFERENCE

3HE 06513 AAAD TQZZA Edition 01

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

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

Copyright 2011 Alcatel-Lucent.
All rights reserved.

Disclaimers

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

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

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

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

Alcatel-Lucent License Agreement

SAMPLE END USER LICENSE AGREEMENT

1. LICENSE

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

2. PROTECTION AND SECURITY OF LICENSED PROGRAMS

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

3. TERM

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

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

4. CHARGES

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

5. SUPPORT AND UPGRADES

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

6. WARRANTIES AND INDEMNIFICATION

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

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

7. LIMITATION OF LIABILITY

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

8. GENERAL

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

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

Preface

The Preface provides general information about the 5620 Service Aware Manager documentation suite.



Note — You can use the Search function of Acrobat Reader (File→Search) to find a term in a PDF of this document. To refine your search, use appropriate search options (for example, search for whole words only or enable case-sensitive searching). You can also search for a term in multiple PDFs at once. For more information, see the Help for Acrobat Reader.

5620 SAM documentation suite

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

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

Table 1 5620 SAM customer documentation suite

Guide	Description
5620 SAM core documentation	
<i>5620 SAM Planning Guide</i>	The <i>5620 SAM Planning Guide</i> provides information about 5620 SAM scalability and recommended hardware configurations.

(1 of 4)

Guide	Description
<i>5620 SAM 5650 CPAM Installation and Upgrade Guide</i>	<p>The <i>5620 SAM 5650 CPAM Installation and Upgrade Guide</i> provides OS considerations, configuration information, and procedures for the following:</p> <ul style="list-style-type: none"> installing, upgrading, and uninstalling 5620 SAM and 5650 CPAM software in standalone and redundant deployments 5620 SAM system migration to a different system conversion from a standalone to a redundant 5620 SAM system
<i>5620 SAM User Guide</i>	<p>The <i>5620 SAM User Guide</i> provides information about using the 5620 SAM to manage the service-aware IP/MPLS network, including GUI basics, commissioning, service configuration, and policy management.</p> <p>The <i>5620 SAM User Guide</i> uses a task-based format. Each chapter contains:</p> <ul style="list-style-type: none"> a workflow that describes the steps for configuring and using the functionality detailed procedures that list the configurable parameters on the associated forms <p>5620 SAM management information specific to LTE network elements is covered in the <i>5620 SAM LTE ePC User Guide</i> and <i>5620 SAM LTE RAN User Guide</i>.</p> <p>5620 SAM management information specific to 1830 PSS network elements is covered in the <i>5620 SAM Optical User Guide</i>.</p>
<i>5620 SAM Parameter Guide</i>	<p>The <i>5620 SAM Parameter Guide</i> provides:</p> <ul style="list-style-type: none"> parameter descriptions that include value ranges and default values parameter options and option descriptions parameter and option dependencies parameter mappings to the 5620 SAM-O XML equivalent property names <p>There are dynamic links between the procedures in the <i>5620 SAM User Guide</i> and the parameter descriptions in the <i>5620 SAM Parameter Guide</i>. See Procedure 2 for more information.</p> <p>Parameters specific to LTE network elements are covered in the <i>5620 SAM LTE Parameter Reference</i>.</p> <p>Parameters specific to 1830 PSS network elements are covered in the <i>5620 SAM Optical Parameter Reference</i>.</p>
<i>5620 SAM Statistics Management Guide</i>	<p>The <i>5620 SAM Statistics Management Guide</i> provides information about how to configure performance and accounting statistics collection and how to view counters using the 5620 SAM. Network examples are included.</p>
<i>5620 SAM Scripts and Templates Developer Guide</i>	<p>The <i>5620 SAM Scripts and Templates Developer Guide</i> provides information that allows you to develop, manage, and execute CLI-based or XML-based scripts or templates. The guide is intended for developers, skilled administrators, and operators who are expected to be familiar with the following:</p> <ul style="list-style-type: none"> CLI scripting, XML, and the Velocity engine basic scripting or programming 5620 SAM functions
<i>5620 SAM Troubleshooting Guide</i>	<p>The <i>5620 SAM Troubleshooting Guide</i> provides task-based procedures and user documentation to:</p> <ul style="list-style-type: none"> help resolve issues in the managed and management networks identify the root cause and plan corrective action for: <ul style="list-style-type: none"> alarm conditions on a network object or customer service problems on customer services with no associated alarms list problem scenarios, possible solutions, and tools to help check: <ul style="list-style-type: none"> network management LANs network management platforms and operating systems 5620 SAM client GUIs and client OSS applications 5620 SAM servers 5620 SAM databases

(2 of 4)

Guide	Description
<i>5620 SAM Maintenance Guide</i>	The <i>5620 SAM Maintenance Guide</i> provides procedures for: <ul style="list-style-type: none"> generating baseline information for 5620 SAM applications performing daily, weekly, monthly, and as-required maintenance activities for 5620 SAM-managed networks
<i>5620 SAM Integration Guide</i>	The <i>5620 SAM Integration Guide</i> provides procedures to allow the 5620 SAM to integrate with additional components.
<i>5620 SAM System Architecture Guide</i>	The <i>5620 SAM System Architecture Guide</i> is intended for technology officers and network planners to increase their knowledge of the 5620 SAM software structure and components. It describes the system structure, software components, and interfaces of the 5620 SAM. In addition, 5620 SAM fault tolerance, security, and network management capabilities are discussed from an architectural perspective.
<i>5620 SAM Supervision Module User Guide</i>	The <i>5620 SAM Supervision Module User Guide</i> provides information about how to configure and use the web-based 5620 SAM Supervision Module for fault management and at-a-glance network element monitoring.
<i>5620 SAM Network Element Compatibility Guide</i>	The <i>5620 SAM Network Element Compatibility Guide</i> provides release-specific information about the compatibility of managed device features in 5620 SAM releases.
<i>5620 SAM Release Description</i>	The <i>5620 SAM Release Description</i> provides information about the new features associated with a 5620 SAM software release.
<i>5620 SAM Glossary</i>	The <i>5620 SAM Glossary</i> defines terms and acronyms used in all of the 5620 SAM documentation, including 5620 SAM LTE documentation.
<i>5620 SAM XML OSS Interface Developer Guide</i>	The <i>5620 SAM XML OSS Interface Developer Guide</i> provides information that allows you to: <ul style="list-style-type: none"> use the 5620 SAM XML OSS interface to access network management information learn about the information model associated with the managed network develop OSS applications using the packaged methods, classes, data types, and objects necessary to manage 5620 SAM functions
5620 SAM LTE documentation	
<i>5620 SAM LTE ePC User Guide</i>	The <i>5620 SAM LTE ePC User Guide</i> describes how to discover, configure, and manage LTE ePC devices using the 5620 SAM. The guide is intended for LTE ePC network planners, administrators, and operators. Alcatel-Lucent recommends that you review the entire <i>5620 SAM LTE ePC User Guide</i> before you attempt to use the 5620 SAM in your LTE network.
<i>5620 SAM LTE RAN User Guide</i>	The <i>5620 SAM LTE RAN User Guide</i> describes how to discover, configure, and manage the Evolved NodeB, or eNodeB, using the 5620 SAM. The guide is intended for LTE RAN network planners, administrators, and operators. Alcatel-Lucent recommends that you review the entire <i>5620 SAM LTE RAN User Guide</i> before you attempt to use the 5620 SAM in your LTE network.
<i>5620 SAM LTE Parameter Reference</i>	The <i>5620 SAM LTE Parameter Reference</i> provides a list of all LTE ePC and LTE RAN parameters supported in the 5620 SAM.
<i>5620 SAM LTE Alarm Reference</i>	The <i>5620 SAM LTE Alarm Reference</i> provides a list of LTE ePC and LTE RAN alarms that can be reported in the 5620 SAM GUI.
<i>5620 SAM 3GPP OSS Interface Developer Guide</i>	The <i>5620 SAM 3GPP OSS Interface Developer Guide</i> describes the components and architecture of the 3GPP OSS interface to the 5620 SAM. It includes procedures and samples to assist OSS application developers to use the 3GPP interface to manage LTE devices.
<i>5620 SAM 3GPP OSS Interface Compliance Statements</i>	The <i>5620 SAM 3GPP OSS Interface Compliance Statements</i> document describes the compliance of the 5620 SAM 3GPP OSS interface with the 3GPP standard.
<i>5620 SAM LTE RAN Release Description</i>	The <i>5620 SAM LTE RAN Release Description</i> provides information about the LTE RAN features associated with the release.

(3 of 4)

Guide	Description
5620 SAM optical documentation	
<i>5620 SAM Optical User Guide</i>	The <i>5620 SAM Optical User Guide</i> describes how to discover, configure, and manage optical devices using the 5620 SAM. The guide is intended for optical network planners, administrators, and operators. Alcatel-Lucent recommends that you review the entire <i>5620 SAM Optical User Guide</i> before you attempt to use the 5620 SAM in your network.
<i>5620 SAM Optical Parameter Reference</i>	The <i>5620 SAM Optical Parameter Reference</i> provides a list of all optical device parameters supported in the 5620 SAM.
<i>5620 SAM Optical Alarm Reference</i>	The <i>5620 SAM Optical Alarm Reference</i> provides a list of optical device alarms that can be reported in the 5620 SAM GUI.

(4 of 4)

Procedure 1 To find the 5620 SAM user documentation

The user documentation is available from the following sources:

- the User_Documentation directory on the product DVD-ROM
- Help→5620 SAM User Documentation in the 5620 SAM client GUI main menu



Note — Users of Mozilla browsers may receive an error message when using the User Documentation Index page (index.html) to open the PDF files in the 5620 SAM documentation suite. The offline storage and default cache values used by the browsers are the cause of the error message.

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

Procedure 2 To view parameter descriptions from the *5620 SAM User Guide*

You can click on a parameter name in a *5620 SAM User Guide* procedure to open the matching parameter description in the *5620 SAM Parameter Guide*. Ensure the following conditions are true beforehand:

- the *5620 SAM Parameter Guide* and *5620 SAM User Guide* are located in the same directory
 - Adobe Reader Release 5.0 or later is installed
- 1 To view a parameter description when both the *5620 SAM User Guide* and the *5620 SAM Parameter Guide* are open in Adobe Acrobat, click on the parameter name in the *5620 SAM User Guide*.

The parameter description is displayed in the *5620 SAM Parameter Guide*.
 - 2 To view a parameter description when only the *5620 SAM User Guide* is open in Adobe Acrobat:
 - i Click on a parameter name in a procedure in the *5620 SAM User Guide*. The *5620 SAM User Guide* closes and the *5620 SAM Parameter Guide* opens to display the parameter description.
 - ii Double-click on the Previous View button in Adobe Acrobat (or press Alt + ←) to re-open the *5620 SAM User Guide*. The *5620 SAM User Guide* opens and displays the parameter from step i.

Prerequisites

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

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

Conventions

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

Table 2 Documentation conventions

Convention	Description	Example
Key name	Press a keyboard key	Delete
Italics	Identifies a variable	<i>hostname</i>

(1 of 2)

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

(2 of 2)

Procedures with options or substeps

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

Example of options in a procedure

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

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

Example of substeps in a procedure

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

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

Measurement conventions

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

Table 3 lists the measurement symbols used in this document.

Table 3 Bits and bytes conventions

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

Important information

The following conventions are used to indicate important information:



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



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



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

Contents

Preface	ix
5620 SAM documentation suite	ix
Procedure 1 To find the 5620 SAM user documentation.....	xii
Procedure 2 To view parameter descriptions from the 5620 SAM	
User Guide.....	xiii
Prerequisites.....	xiii
Conventions.....	xiii
Procedures with options or substeps.....	xiv
Measurement conventions	xiv
Important information.....	xv

1830 PSS alarms overview

1 — Managing 5620 SAM 1830 PSS alarms	1-1
1.1 Managing 5620 SAM 1830 PSS alarms overview	1-2
Alarms for network objects.....	1-2
Service problems with no associated alarms.....	1-2
Service affecting and non-service affecting alarms	1-3
1.2 Additional 5620 SAM 1830 PSS alarm management resources.....	1-3
2 — 1830 PSS alarms	2-1
2.1 1830 PSS alarms	2-2
2.2 1830 PSS alarm description tables.....	2-2

1830 PSS alarms overview

- 1 — Managing 5620 SAM 1830 PSS alarms
- 2 — 1830 PSS alarms

1 — Managing 5620 SAM 1830 PSS alarms

- 1.1 Managing 5620 SAM 1830 PSS alarms overview 1-2**
- 1.2 Additional 5620 SAM 1830 PSS alarm management
resources 1-3**

1.1 Managing 5620 SAM 1830 PSS alarms overview

This chapter provides an overview of 5620 SAM alarm management for the 1830 PSS devices.

Alarms for network objects

The 5620 SAM converts SNMP traps from NEs to events and alarms. You can then use the 5620 SAM to correlate the events and alarms to the managed object, configured services and policies. A correlated event or alarm can cause fault conditions on multiple network objects and services. For example, an alarm raised for a port failure causes alarms on all services that use that port. You can view the alarm notification from the 5620 SAM topology maps, service configuration forms, and customer information form that lists the affected objects.

The 5620 SAM alarm-based fault management system provides the following functionality

- correlation of alarms with equipment- and service-affecting faults
- updates to the managed object operational status in near-real-time
- alarm policy control that allows a network administrator to specify how to process alarms, and how to create and store the alarm logs
- point-and-click alarm management using the 5620 SAM GUI dynamic alarm list and object properties forms
- ability to log the actions to correct the associated fault by adding notes to the alarm
- alarm history for performing trend analysis

Service problems with no associated alarms

The proper delivery of services requires a number of operations that must occur correctly at different levels within the service model. For example, an operation such as the association of packets to a service, VC labels to a service, and each service to a service tunnel must be performed successfully for the service to pass traffic according to SLAs.

Even when tunnels are operating correctly and are correctly bound to services, for example, incorrect FIB information can cause connectivity issues. You can use configurable in-band or out-of-band packet-based OAM tools to verify that a service is operational and that the FIB information is correct. Each OAM diagnostic can test each of the individual packet operations. You must test the packet operation in both directions.

For in-band, packet-based testing, the OAM packets closely resemble customer packets to effectively test the forwarding path for the customer. However, you can distinguish the OAM packets from customer packets, so they remain within the managed network and are not forwarded to the customer. For out-of-band testing, OAM packets are sent across some portion of the transport network. For example, OAM packets are sent across LSPs to test reachability.

Service affecting and non-service affecting alarms

1830 PSS alarms are defined as being service or non-service affecting. Service affecting alarms refer to alarms that impact or interfere with network service. Non-service affecting alarms refer to alarms that do not impact or interfere with network service. The classification of the alarms as service or non-service affecting will be displayed in the Additional Text column of the 5620 SAM GUI alarm window.

The 5620 SAM allows you to configure alarm behavior using alarm policies. For detailed information about configuring alarm behavior, see the Alarm management chapter in the *5620 SAM User Guide*.

1.2 Additional 5620 SAM 1830 PSS alarm management resources

Table 1-1 lists where to find more information about how to manage alarms, how to use alarms for troubleshooting and the location of alarm descriptions.

Table 1-1 5620 SAM 1830 PSS Alarm management resources

For information about	See
<ul style="list-style-type: none"> 1830 PSS domain alarm descriptions 1830 PSS service domain alarm descriptions 	Table 2-3
1830 PSS alarm management using the 5620 SAM	<i>5620 SAM User Guide</i>
Troubleshooting 1830 PSS alarms	<i>5620 SAM Optical User Guide</i>
<ul style="list-style-type: none"> alarm status, severity, and aggregation alarm thresholds alarm suppression correlated alarms automatic purging of alarms fault management using alarms 	<i>5620 SAM User Guide</i>
<ul style="list-style-type: none"> troubleshooting using network alarms 5620 SAM non-1830 PSS alarm description tables 	<i>5620 SAM Troubleshooting Guide</i>

2 — 1830 PSS alarms

2.1 1830 PSS alarms 2-2

2.2 1830 PSS alarm description tables 2-2

2.1 1830 PSS alarms

The tables in this chapter list and describe the alarms that the 5620 SAM can raise against the 1830 PSS. The tables are in alphabetical order by domain, and the alarms within each table are in alphabetical order. A Type or Probable cause value includes a numeric identifier.

Chapter 1 describes where to find more information about how to manage alarms and how to use alarms for troubleshooting.

2.2 1830 PSS alarm description tables

Tables 2-1 to 2-5 list and describe the 1830 PSS alarms that the 5620 SAM can raise.

Table 2-1 Domain: equipment

Alarm	Attributes	Description
Name: AddPowercontrolfailure (1968) Type: configurationAlarm (11) Probable cause: MtceSurv (953)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when add power control fails.
Name: AllOutgoingChannelsMissing (1969) Type: communicationsAlarm (4) Probable cause: AllChanMiss (954)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when all outgoing channels are missing.
Name: AmpDisabledOpticalPowerOverload (1970) Type: configurationAlarm (11) Probable cause: OvrlD (955)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the Amplifier is disabled and optical power overloaded.
Name: AmpDisabledRaisedNotif (1971) Type: equipmentAlarm (3) Probable cause: AmpDisabled (956)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an amplifier is disabled.
Name: AmpGainHighNotif (1972) Type: equipmentAlarm (3) Probable cause: HiGain (957)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the gain of an amplifier is too high.
Name: AmpGainLowNotif (1973) Type: equipmentAlarm (3) Probable cause: LoGain (958)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the gain of an amplifier is too low.
Name: AmplInputHighNotif (1974) Type: equipmentAlarm (3) Probable cause: OprpWRHigh (959)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the input signal of an amplifier is too strong.

(1 of 37)

Alarm	Attributes	Description
Name: AmplInputLowNotif (1975) Type: equipmentAlarm (3) Probable cause: OprpWRLow (960)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when the input signal of an amplifier is too weak.
Name: AmpOutputPowerUnachievable (1976) Type: configurationAlarm (11) Probable cause: OprUnachieve (961)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to output power unachievable.
Name: APRActive (1965) Type: configurationAlarm (11) Probable cause: AprLine (950)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR is active.
Name: AprInvalidTopo (3332) Type: configurationAlarm (11) Probable cause: APRINVALIDTOPO (1165)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR is active and reports an invalid topology.
Name: AprNode (3333) Type: configurationAlarm (11) Probable cause: APRNODE (1166)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR activates.
Name: AprOsc (3334) Type: configurationAlarm (11) Probable cause: APROSC (1167)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR activates and reports an unavailable OSC.
Name: AprSwitch (3335) Type: configurationAlarm (11) Probable cause: APRSWITCH (1168)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR performs a port switch.
Name: AprUnavail (3336) Type: configurationAlarm (11) Probable cause: APRUNAVAIL (1169)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR is unavailable because a monitor card is initializing.
Name: AprUnavailOsc (3337) Type: configurationAlarm (11) Probable cause: APRUNAVAILOSC (1170)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when APR is limited or unavailable because of an OSC SFP failure.
Name: APSchannelMismatch (1967) Type: configurationAlarm (11) Probable cause: ApsCM (952)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is an APS channel mismatch.
Name: APSModeMismatch (1966) Type: configurationAlarm (11) Probable cause: ApsMismatch (951)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is an APS mode mismatch.

(2 of 37)

Alarm	Attributes	Description
Name: ApsSwitchedToWork (1977) Type: communicationsAlarm (4) Probable cause: WkSwBk (962)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Automatic switch to working.
Name: AutLaserOffDueToUpstreamCondition (1978) Type: communicationsAlarm (4) Probable cause: UpstreamFault (963)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a laser shuts off automatically in response to an upstream fault condition.
Name: AutomaticProtectionSwitchToProtection (1979) Type: communicationsAlarm (4) Probable cause: WKSUPR (964)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an automatic APS switch to the protection channel occurs.
Name: B1SignalDegrade (1980) Type: communicationsAlarm (4) Probable cause: B1Sd (965)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to B1 signal degrade.
Name: BackplaneBatteryOff (1981) Type: equipmentAlarm (3) Probable cause: Pwr (966)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to battery power at backplane voltage low.
Name: BatteryOff (1982) Type: equipmentAlarm (3) Probable cause: Pwr (966)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to battery off.
Name: BatteryPowerAtBackPlaneOff (1983) Type: equipmentAlarm (3) Probable cause: BatteryPowerAtBackPlaneOff (967)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when battery power is off at backplane.
Name: BoardEqpt (3338) Type: equipmentAlarm (3) Probable cause: BoardEqpt (1171)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a card fails to initialize.
Name: BothTimingModulesFailed (1984) Type: configurationAlarm (11) Probable cause: SyncClkFail (968)	Severity: Critical Object Type (class): Shelf Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised due system timing synchronization both units failed.
Name: CardAbnormalCondition (1985) Type: communicationsAlarm (4) Probable cause: cardMan (969)	Severity: Info Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when port/Card is in maintenance due to abnormal condition.
Name: CardDegrade (1987) Type: equipmentAlarm (3) Probable cause: EqptDgr (971)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card is degraded.

(3 of 37)

Alarm	Attributes	Description
Name: CardFailure (1988) Type: equipmentAlarm (3) Probable cause: EQPT (972)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card fails to communicate.
Name: CardInitializing (1989) Type: equipmentAlarm (3) Probable cause: CardInit (973)	Severity: Info Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card is initializing.
Name: CardMismatch (1160) Type: configurationAlarm (11) Probable cause: CardMismatch (863)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is a mismatch between the provisioned and actual card types.
Name: CardMissing (1990) Type: equipmentAlarm (3) Probable cause: ReplUnitMiss (974)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card is missing from the slot.
Name: CardNotAllowed (1991) Type: equipmentAlarm (3) Probable cause: CardNotAllowed (975)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to card not allowed.
Name: CardProvisioningFailure (1992) Type: equipmentAlarm (3) Probable cause: DataFlt (976)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a card provisioning error is detected.
Name: CardSanityFailure (1993) Type: configurationAlarm (11) Probable cause: CardSanity (977)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to card Sanity failure.
Name: cardTemperatureAboveOperatingThreshold (1178) Type: thresholdCrossed (6) Probable cause: IntTempHigh (1095)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the temperature of the card raises above the operating threshold.
Name: cardTemperatureBelowOperatingThreshold (1179) Type: thresholdCrossed (6) Probable cause: IntTempLow (1096)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the temperature of a card falls below the operating threshold.
Name: CardUnknown (1994) Type: equipmentAlarm (3) Probable cause: Unknown (978)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the software version mismatches.
Name: ChannelPDI (1995) Type: communicationsAlarm (4) Probable cause: ChannelPDI (979)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a PDI occurs on an optical channel.

(4 of 37)

Alarm	Attributes	Description
Name: ChannelPowerUnstable (1996) Type: communicationsAlarm (4) Probable cause: OprUnachieve (961)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the optical power on a channel is unstable.
Name: ClockRedundancy (1997) Type: equipmentAlarm (3) Probable cause: SyncSys (980)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to loss of clock redundancy in system time.
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Probable cause: containingEquipmentAdministrativelyDown (330)	Severity: Minor Object Type (class): Port Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Probable cause: containingEquipmentMismatch (328)	Severity: Major Object Type (class): Port Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Probable cause: containingEquipmentDown (329)	Severity: Major Object Type (class): Port Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.
Name: ControlCardRedundancyCompromised (1998) Type: configurationAlarm (11) Probable cause: SwEqpt (981)	Severity: Minor Object Type (class): Shelf Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when control card redundancy is compromised.
Name: DataError (2000) Type: equipmentAlarm (3) Probable cause: DataErr (983)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to dataerror.
Name: DCMInputLOS (1999) Type: communicationsAlarm (4) Probable cause: LosDcm (982)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a DCM raises an input LOS indication.
Name: DiagnosticTerminalLoopbackActive (2001) Type: communicationsAlarm (4) Probable cause: LpbkTerm (984)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a terminal diagnostic loopback is active.
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Probable cause: downgradedCard (195)	Severity: Warning Object Type (class): Card Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.

(5 of 37)

Alarm	Attributes	Description
Name: DupOCHTrailName (2002) Type: communicationsAlarm (4) Probable cause: OchTrailDup (985)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when duplicate och trail names are present.
Name: DupWaveKey (2003) Type: communicationsAlarm (4) Probable cause: OchKeyDup (986)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is a duplicate wave key.
Name: DwAlarmIndicationSignal (2004) Type: communicationsAlarm (4) Probable cause: DwAIS (987)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to alarm indication signal.
Name: DwSignalFailure (2005) Type: communicationsAlarm (4) Probable cause: sf (988)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to bit error signal fails.
Name: E1AisEgr (3339) Type: configurationAlarm (11) Probable cause: E1AisEgr (1172)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 egress AIS is detected.
Name: E1AisL (3340) Type: configurationAlarm (11) Probable cause: E1AisL (1173)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 AIS is detected.
Name: E1Lof (3341) Type: configurationAlarm (11) Probable cause: E1Lof (1174)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 LOF is detected.
Name: E1LofEgr (3342) Type: configurationAlarm (11) Probable cause: E1LofEgr (1175)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 egress LOF is detected.
Name: E1Los (3343) Type: configurationAlarm (11) Probable cause: E1Los (1176)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 LOS is detected.
Name: E1NoCRC4M (3344) Type: configurationAlarm (11) Probable cause: E1NoCRC4M (1177)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when no E1 CRC4 M is present.
Name: E1NoCRC4MEgr (3345) Type: configurationAlarm (11) Probable cause: E1NoCRC4MEgr (1178)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when no E1 egress CRC4 M is present.

(6 of 37)

Alarm	Attributes	Description
Name: E1Rai (3346) Type: configurationAlarm (11) Probable cause: E1Rai (1179)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 RAI is detected.
Name: E1RaiEgr (3347) Type: configurationAlarm (11) Probable cause: E1RaiEgr (1180)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an E1 egress RAI is detected.
Name: Ebero (3348) Type: configurationAlarm (11) Probable cause: EBERO (1181)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OSC has an excessive BER.
Name: EgressLossofFrame (2006) Type: communicationsAlarm (4) Probable cause: LOFEgr (989)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the egress loss of frame occurs.
Name: EncapsulationFailure (2007) Type: encapsulationAlarm (95) Probable cause: FecFail (990)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to encapsulation failure.
Name: EnvironmentInputActive (2008) Type: equipmentAlarm (3) Probable cause: EnvInputActive (991)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to environmental input active.
Name: EqptDgrOch (3349) Type: configurationAlarm (11) Probable cause: EqptDgrOch (1182)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a channel fails because of a wavelength tracker communication failure.
Name: EqptDgrOchOut (3350) Type: configurationAlarm (11) Probable cause: EqptDgrOchOut (1183)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a channel fails because of a wavelength tracker communication failure.
Name: EqptPort (3351) Type: configurationAlarm (11) Probable cause: EqptPort (1184)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a device port failure is detected.
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Probable cause: equipmentAdministrativelyDown (326)	Severity: Minor Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Probable cause: singleFanFailure (450)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.

(7 of 37)

Alarm	Attributes	Description
Name: EquipmentDown (10) Type: equipmentAlarm (3) Probable cause: inoperableEquipment (8)	Severity: Major Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Probable cause: cardFailure (123)	Severity: Critical Object Type (class): ReplaceableUnit Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Probable cause: equipmentInTest (9)	Severity: Warning Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when equipment enters a diagnostic state.
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Probable cause: equipmentTypeMismatch (7)	Severity: Major Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Probable cause: replaceableEquipmentRemoved (6)	Severity: Major Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.
Name: EthernetLinkDown (2009) Type: communicationsAlarm (4) Probable cause: LinkDown (992)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an Ethernet link is operationally down.
Name: EtrMismatches (2010) Type: equipmentAlarm (3) Probable cause: EtrMismatch (993)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to extended temperature range voilation.
Name: EtrMismatchMod (3353) Type: configurationAlarm (11) Probable cause: ETRMISMATCHMOD (1186)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an extended temperature range violation is detected in a non-ETR pluggable module.
Name: ExcessiveCurrentLoad (2011) Type: equipmentAlarm (3) Probable cause: ExcessLoad (994)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card would exceed shelf amperage limit.

(8 of 37)

Alarm	Attributes	Description
Name: ExcessLoss (3354) Type: configurationAlarm (11) Probable cause: ExcessLoss (1187)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the fiber connection loss is excessive.
Name: FanFailure (624) Type: equipmentAlarm (3) Probable cause: fanFailure (116)	Severity: Critical Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the associated fan is not operationally Up.
Name: FanSpeedHigh (3356) Type: equipmentAlarm (3) Probable cause: FanSpeedHigh (1189)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the fan speed is too high.
Name: FanSpeedLow (3357) Type: equipmentAlarm (3) Probable cause: FanSpeedLow (1190)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the fan speed is too low.
Name: FanSpeedMan (2012) Type: equipmentAlarm (3) Probable cause: FanSpeedMan (995)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised due to fan speed manually set to maximum.
Name: FanSpeedTooHigh (2013) Type: equipmentAlarm (3) Probable cause: fanSpeedHigh (996)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when the speed of a fan is too high.
Name: FanSpeedTooLow (2014) Type: equipmentAlarm (3) Probable cause: fanSpeedLow (997)	Severity: Minor Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when the speed of a fan is too low.
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Probable cause: FanTrayRemoved (438)	Severity: Critical Object Type (class): FanTray Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.
Name: FarEndLocalFault (2015) Type: communicationAlarm (96) Probable cause: FELanLFI (998)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a far-end system detects a local fault.
Name: FarEndLos (2016) Type: communicationsAlarm (4) Probable cause: FELOS (999)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised Far End Loss of Signal.
Name: FarEndLossOfSignal (2017) Type: communicationAlarm (96) Probable cause: FELANLOS (1000)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when a far-end system detects an LOS.

(9 of 37)

Alarm	Attributes	Description
Name: FarEndPortMappingMismatch (2018) Type: communicationAlarm (96) Probable cause: FEPortMismatch (1001)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a far-end system detects a port mapping mismatch.
Name: FarEndProtLineFail (2019) Type: communicationsAlarm (4) Probable cause: FePrLf (1002)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to far end protection line failure.
Name: FarEndRemoteFault (2020) Type: communicationAlarm (96) Probable cause: FeLanRfi (1003)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a far-end system sends an RFI.
Name: FDI (3355) Type: configurationAlarm (11) Probable cause: FDI (1188)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an FDI is detected.
Name: FecEcSignalDegrade (2021) Type: communicationsAlarm (4) Probable cause: FecEcSdeg (1004)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on PreFEC Signal Degrade.
Name: FecUbcSignalDegrade (3358) Type: configurationAlarm (11) Probable cause: fecUbcSd (1191)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a post-FEC signal is degraded.
Name: FirmwarePendingObsolete (2022) Type: equipmentAlarm (3) Probable cause: FwPendingObsolete (1005)	Severity: Info Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to provisioned firmware will be obsolete after sw upgrade.
Name: FirmwareUpgradePending (2023) Type: equipmentAlarm (3) Probable cause: FwUpgradePending (1006)	Severity: Info Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to pending upgrade firmware.
Name: FirmwareVersionNotDefault (2024) Type: equipmentAlarm (3) Probable cause: FwVersionNotDefault (1007)	Severity: Info Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to incorrect version of firmware.
Name: ForcedSwitchingToProtection (2025) Type: communicationsAlarm (4) Probable cause: FrcdWKSWPR (1008)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when forced switching takes place to Protection.
Name: ForcedSwitchingToWorking (2026) Type: communicationsAlarm (4) Probable cause: FrcdWKSwbk (1009)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a forced switch to the working APS channel occurs.

(10 of 37)

Alarm	Attributes	Description
Name: FpgaFailed (2027) Type: equipmentAlarm (3) Probable cause: FpgaFail (1010)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due FPGA fails.
Name: FpgalInitialization (2028) Type: equipmentAlarm (3) Probable cause: Fpgalnit (1011)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due FPGA initialization.
Name: FpgaTimeout (2029) Type: equipmentAlarm (3) Probable cause: FpgaTimeout (1012)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due FPGA times out.
Name: GFPLossofFrameDelineation (2030) Type: communicationsAlarm (4) Probable cause: LFD (1013)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a GFP raises an LFD.
Name: GFPUserPayloadMismatch (2031) Type: communicationsAlarm (4) Probable cause: UPM (1014)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a GFP user payload mismatch is detected.
Name: HighBER (682) Type: communicationsAlarm (4) Probable cause: HiBER (1015)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when BER is high.
Name: HwRevisionNotSupported (2032) Type: equipmentAlarm (3) Probable cause: Hwnotsupported (1016)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to hardware not supported for current configuration.
Name: IncomingSupvyLOF (2033) Type: communicationsAlarm (4) Probable cause: LOF (1017)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when Incoming SUPVY detects an LOF.
Name: IncomingSupvyLOS (2034) Type: communicationsAlarm (4) Probable cause: LOS (1018)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when Incoming SUPVY detects LOS.
Name: IncompatFan (3359) Type: equipmentAlarm (3) Probable cause: IncompatFan (1192)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an incompatible fan is detected.
Name: InputVoltageUnstable (2035) Type: equipmentAlarm (3) Probable cause: VoltageUnstable (1019)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the input voltage is unstable.

(11 of 37)

Alarm	Attributes	Description
Name: InterCardCommsFailure (2036) Type: equipmentAlarm (3) Probable cause: ContCom (1020)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the card fails to communicate.
Name: InterShelfLossofCommunication (2037) Type: configurationAlarm (11) Probable cause: ShelfContCom (1021)	Severity: Critical Object Type (class): Shelf Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when control card redundancy is compromised.
Name: IntTempHigh (3360) Type: equipmentAlarm (3) Probable cause: IntTempHigh (1095)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a card reports an over-temperature condition.
Name: IntTempLow (3361) Type: equipmentAlarm (3) Probable cause: IntTempLow (1096)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a card reports an under-temperature condition.
Name: IntTempOpt (3362) Type: equipmentAlarm (3) Probable cause: IntTempOpt (1047)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an optical module reports an over-temperature condition.
Name: InvalidEgress (3363) Type: configurationAlarm (11) Probable cause: InvalidEgress (1193)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an egress port is invalid or undefined.
Name: InvalidThreshold (2038) Type: configurationAlarm (11) Probable cause: InvalidThreshold (1022)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to Invalid Threshold.
Name: InvalidThresholdOms (3364) Type: configurationAlarm (11) Probable cause: InvalidThresholdOms (1194)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OMS threshold is invalid.
Name: InvalidThresholdOts (3365) Type: configurationAlarm (11) Probable cause: InvalidThresholdOts (1195)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OTS threshold is invalid.
Name: LaserBackFacetOptPwrTca (3366) Type: configurationAlarm (11) Probable cause: LaserBackFacetOptPwrTca (1196)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the laser back-facet optical power crosses a threshold.
Name: LaserCoolingCurTca (3367) Type: configurationAlarm (11) Probable cause: LaserCoolingCurTca (1197)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the laser cooling current crosses a threshold.

(12 of 37)

Alarm	Attributes	Description
Name: LaserEndOfLife (2039) Type: communicationsAlarm (4) Probable cause: LaserEOL (1023)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised Laser end of life.
Name: LineLoopbackActive (2040) Type: communicationsAlarm (4) Probable cause: LpbkLine (1024)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a line loopback is active.
Name: LinkDown (12) Type: communicationsAlarm (4) Probable cause: portLinkProblem (10)	Severity: Major Object Type (class): Equipment Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a port has no associated physical link.
Name: Loam (3368) Type: configurationAlarm (11) Probable cause: LOAM (1198)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an LOA marker lock occurs.
Name: LocalFault (2041) Type: communicationsAlarm (4) Probable cause: LanLfi (1025)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a local fault occurs.
Name: LosOcm (3370) Type: configurationAlarm (11) Probable cause: LosOcm (1200)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a WTOCM receives an input LOS.
Name: LosOms (3371) Type: configurationAlarm (11) Probable cause: LosOms (1201)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OMS incoming payload LOS is detected.
Name: LosOOut (3369) Type: configurationAlarm (11) Probable cause: LOSOOUT (1199)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an optical supervisory card reports an outgoing LOS.
Name: LosOts (3372) Type: configurationAlarm (11) Probable cause: LosOts (1202)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OTS incoming payload LOS is detected.
Name: LossOfClock (83) Type: communicationsAlarm (4) Probable cause: LostClock (1026)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to loss of clock.
Name: LossofFrame (2043) Type: communicationsAlarm (4) Probable cause: LOF (1017)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the loss of frame occurs.

(13 of 37)

Alarm	Attributes	Description
Name: LossofSignal (2044) Type: communicationsAlarm (4) Probable cause: LOS (1018)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the loss of signal occurs.
Name: LossofSynchronization (2045) Type: communicationAlarm (96) Probable cause: FeLanLss (1028)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a far-end system detects a loss of synchronization.
Name: LossTooHigh (3373) Type: configurationAlarm (11) Probable cause: OprLossHigh (1044)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the optical loss is above the operational range.
Name: LossTooLow (2042) Type: configurationAlarm (11) Probable cause: OprLossLow (1027)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the optical loss is below the operational range.
Name: LostBothClks (2046) Type: equipmentAlarm (3) Probable cause: SyncSysOos (1029)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to using of local oscillator for system time..
Name: LostPri (2047) Type: equipmentAlarm (3) Probable cause: Sync (1030)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to loss of primary line.
Name: LostSec (2048) Type: equipmentAlarm (3) Probable cause: Sync (1030)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to loss of secondary line.
Name: ManualProtectionSwitchToProtection (2049) Type: communicationsAlarm (4) Probable cause: ManWKSWPR (1031)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a manual APS switch to the protection channel occurs.
Name: ManualProtectionSwitchToWorking (2050) Type: communicationsAlarm (4) Probable cause: ManWKSWBK (1032)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a manual APS switch to the working channel occurs.
Name: MismatchFiber (3374) Type: configurationAlarm (11) Probable cause: MismatchFiber (1203)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a mismatched fiber connection is detected.
Name: MissingWaveKeyRaised (3375) Type: communicationsAlarm (4) Probable cause: LosOut (1204)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when fiber link gets cut/disconnected.

(14 of 37)

Alarm	Attributes	Description
Name: MixedPFUsed (3376) Type: configurationAlarm (11) Probable cause: MixedPFUsed (1205)	Severity: Critical Object Type (class): Shelf Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when mixed types of power filters are in use.
Name: ModulatorOutputPowerOutOfRange (2051) Type: communicationsAlarm (4) Probable cause: ModOutOfRange (1033)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Modulator Output Power OutOfRange.
Name: MonitorFailure (2052) Type: equipmentAlarm (3) Probable cause: Mismatch (1034)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to card degrade.
Name: Msim (3377) Type: configurationAlarm (11) Probable cause: Msim (1206)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a multiplex structure identifier mismatch is detected.
Name: OaPumpBiasCurrHigh (2061) Type: equipmentAlarm (3) Probable cause: OaPumpBiasCurrHigh (1042)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to optical amplifier pum laser bias current high.
Name: OaPumpTempHigh (2062) Type: equipmentAlarm (3) Probable cause: OaPumpTempHigh (1043)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to optical amplifier pump laser temperature high.
Name: OduAis (3379) Type: configurationAlarm (11) Probable cause: OduAis (1208)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an ODU reports an AIS.
Name: OduAisEgress (3380) Type: configurationAlarm (11) Probable cause: OduAisEgress (1209)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an ODU reports an egress AIS.
Name: ODUBackwardDefectIndication (2053) Type: communicationsAlarm (4) Probable cause: BDI (1035)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a BDI is received.
Name: ODUEgressLocked (2054) Type: communicationsAlarm (4) Probable cause: Locked (1036)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an ODU is locked.
Name: ODUEgressSignalDegrade (2055) Type: communicationsAlarm (4) Probable cause: SgnlDegrade (1037)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when signal degradation is detected.

(15 of 37)

Alarm	Attributes	Description
Name: ODUOpenConnectionIndication (2056) Type: communicationsAlarm (4) Probable cause: OCI (1038)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an ODU detects an OCI.
Name: ODUPayloadMismatchIndication (2057) Type: configurationAlarm (11) Probable cause: PayloadMismatch (1039)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an ODU detects a payload mismatch.
Name: OperationLossRangeHigh (2063) Type: communicationsAlarm (4) Probable cause: OprLossHigh (1044)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the operational loss range too high.
Name: oprLossTooLow (3556) Type: communicationsAlarm (4) Probable cause: OprLossLow (1027)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to out of operational range loss too low.
Name: OprPwrHigh (3381) Type: configurationAlarm (11) Probable cause: OprPwrHigh (1210)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the operational input power is too high.
Name: OprPwrLow (3382) Type: configurationAlarm (11) Probable cause: OprPwrLow (1211)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the operational input power is too low.
Name: OprTx (3383) Type: configurationAlarm (11) Probable cause: OprTx (1212)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the power on an optical channel is unstable.
Name: OpticalPowerReceivedOutOfRange (2064) Type: communicationsAlarm (4) Probable cause: OprOutOfRange (1045)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Optical power received out of range.
Name: OpticsModuleMismatch (2065) Type: configurationAlarm (11) Probable cause: MismatchMod (1046)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is a mismatch between the provisioned and actual optical module types.
Name: OpticsModuleUnknown (3386) Type: configurationAlarm (11) Probable cause: UnknownMod (1215)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when there is a mismatch between the provisioned and actual optical module types.
Name: OpticsOverTemperature (2066) Type: equipmentAlarm (3) Probable cause: IntTempOpt (1047)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the optics is above operational temperature.

(16 of 37)

Alarm	Attributes	Description
Name: OptIntDet (3384) Type: configurationAlarm (11) Probable cause: OptIntDet (1213)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an optical intrusion is detected.
Name: OptIntSusp (3385) Type: configurationAlarm (11) Probable cause: OptIntSusp (1214)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when optical intrusion monitoring is suspended.
Name: OSPFADJ (3378) Type: configurationAlarm (11) Probable cause: OSPFADJ (1207)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OSPF adjacency is not a full adjacency.
Name: OtuAisAlarm (2067) Type: communicationsAlarm (4) Probable cause: OtuAIS (1048)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to transmit laser off.
Name: OTULossofFrame (2058) Type: communicationsAlarm (4) Probable cause: LOF (1017)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OTU LOF signal is detected.
Name: OTULossofMultiFrame (2059) Type: communicationsAlarm (4) Probable cause: LOM (1040)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OTU LOM signal is detected.
Name: OTUServerErrorSignalFailure (2060) Type: communicationsAlarm (4) Probable cause: ssf (1041)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OTU server signal failure occurs.
Name: OutgoingChannelPowerOutOfRange (2068) Type: communicationsAlarm (4) Probable cause: OpwrOutOfRange (1049)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the optical power of a channel is out of range.
Name: PCSGeneratorActive (3387) Type: configurationAlarm (11) Probable cause: PCSGeneratorActive (1216)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the PCS generator activates.
Name: PluggableModuleSeepFailure (2069) Type: communicationsAlarm (4) Probable cause: FactTermDev (1050)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an SFP module fails.
Name: PortFailure (2070) Type: communicationsAlarm (4) Probable cause: EquipPort (1051)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the port failure occurs.

(17 of 37)

Alarm	Attributes	Description
Name: PortTransmissionDegrade (2071) Type: communicationsAlarm (4) Probable cause: LsrOutDgr (1052)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to port transmit degrade.
Name: PortTransmissionFailure (3388) Type: communicationsAlarm (4) Probable cause: Trmt (1217)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the port Transmission failure occurs.
Name: PowerAdjustmentFailure (2072) Type: communicationsAlarm (4) Probable cause: PwrAdjFail (1053)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the power adjustment fails.
Name: PowerAdjustmentRequired (2073) Type: communicationsAlarm (4) Probable cause: PwrAdjReq (1054)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when the power adjustment requires.
Name: PowerFilterMismatch (2074) Type: configurationAlarm (11) Probable cause: PowerFilterMismatch (1055)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when mismatch in power filter.
Name: PowerFilterOff (2075) Type: equipmentAlarm (3) Probable cause: PowerIssue (1056)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when Power filter/Battery is off or low voltage.
Name: PowerManagementSuspended (2076) Type: communicationsAlarm (4) Probable cause: PwrSusp (1057)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when power management is suspended.
Name: PowerManagementTopologyIssue (2077) Type: communicationsAlarm (4) Probable cause: PinvalidTopo (1058)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the power management topology is invalid.
Name: ProtectionLockout (2078) Type: communicationsAlarm (4) Probable cause: LockOutOfPR (1059)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an APS lockout of the protection channel occurs.
Name: ProtectionSwitchingEquipmentFailure (2079) Type: equipmentAlarm (3) Probable cause: RcvrOptProg (1060)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the protection switching equipment fails.
Name: ProtectionSwitchingFail (2080) Type: communicationsAlarm (4) Probable cause: ApsProtSWFail (1061)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when Protection switching fails.

(18 of 37)

Alarm	Attributes	Description
Name: PwrMaxGain (2081) Type: configurationAlarm (11) Probable cause: PwrMaxGain (1062)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Gain Adjustment Exceeded Max Value.
Name: PwrTiltSusp (3389) Type: configurationAlarm (11) Probable cause: PwrTiltSusp (1218)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when amplifier gain tilt adjustments are suspended.
Name: PwrUnbalance (3390) Type: configurationAlarm (11) Probable cause: PwrUnbalance (1219)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a general power imbalance is detected.
Name: PwrUnbalanceOms (3391) Type: configurationAlarm (11) Probable cause: PwrUnbalanceOms (1220)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an OMS power imbalance is detected.
Name: RamanSupAlarm (2082) Type: configurationAlarm (11) Probable cause: RAMANSUP (1063)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to Raman Suppress - Line
Name: RcvrOptProg (2083) Type: equipmentAlarm (3) Probable cause: RcvrOptProg (1060)	Severity: Minor Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to receiver optimization in progress.
Name: RemoteClientLocalFault (2084) Type: communicationsAlarm (4) Probable cause: LfiEgr (1064)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a remote client detects a local fault.
Name: RemoteFault (2085) Type: communicationsAlarm (4) Probable cause: LanRfi (1065)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a remote fault is detected.
Name: ReplUnitMissMOD (3392) Type: configurationAlarm (11) Probable cause: ReplUnitMissMOD (1221)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a pluggable module is missing.
Name: SfpEOLAlarm (2087) Type: communicationsAlarm (4) Probable cause: sfpEOL (1067)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on SFP or XFP Laser end of life.
Name: SfpTempOOR (2088) Type: communicationsAlarm (4) Probable cause: SfpTempOOR (1068)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	SFP or XFP laser temperature out of range

(19 of 37)

Alarm	Attributes	Description
Name: SfpTrmtPwrOORAlarm (2089) Type: communicationsAlarm (4) Probable cause: SfpTrmtPwrOOR (1069)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on SFP or XFP optical transmit power out of range.
Name: ShelfMismatch (2090) Type: configurationAlarm (11) Probable cause: ShelfMismatch (1070)	Severity: Critical Object Type (class): Shelf Domain: equipment Implicitly cleared (self-clearing): No	The alarm is raised when the shelf mismatches.
Name: SignalDegrade (2091) Type: communicationsAlarm (4) Probable cause: Deg (1071)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Signal Degrade Egress - ODU.
Name: SoftwareVersionMismatch (2092) Type: equipmentAlarm (3) Probable cause: SfMismatch (1072)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the software version mismatches.
Name: SonetLossOfFrame (2093) Type: communicationsAlarm (4) Probable cause: Lof (1073)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to loss of frame.
Name: SonetSectionTraceMismatch (2094) Type: communicationsAlarm (4) Probable cause: Tim (1074)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to mismatch in trace identifier.
Name: SpLoAdjFail (3393) Type: configurationAlarm (11) Probable cause: SpLoAdjFail (1222)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a span loss adjustment failure is detected.
Name: SUPVYSignalDegrade (2086) Type: communicationsAlarm (4) Probable cause: SignalDegrade (1066)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when SUPVY signal degradation is detected.
Name: SwitchingMatrixModuleFails (2095) Type: communicationsAlarm (4) Probable cause: SwmTxMod (1075)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a switching matrix module fails.
Name: SystemTimeCardMismatch (2096) Type: equipmentAlarm (3) Probable cause: Mismatch (1034)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to system timing card mismatch.
Name: TBbeMs15Min (3396) Type: configurationAlarm (11) Probable cause: T_BBE_MS_15MIN (1225)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-MS 15-minute threshold is crossed.

(20 of 37)

Alarm	Attributes	Description
Name: TBbeMs1Day (3397) Type: configurationAlarm (11) Probable cause: T_BBE_MS_1DAY (1226)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-MS one-day threshold is crossed.
Name: TBbeOdu15Min (3398) Type: configurationAlarm (11) Probable cause: T_BBE_ODU_15MIN (1227)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-ODU 15-minute threshold is crossed.
Name: TBbeOdu1Day (3399) Type: configurationAlarm (11) Probable cause: T_BBE_ODU_1DAY (1228)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-ODU one-day threshold is crossed.
Name: TBbeOtu15Min (3400) Type: configurationAlarm (11) Probable cause: T_BBE_OTU_15MIN (1229)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-OTU 15-minute threshold is crossed.
Name: TBbeOtu1Day (3401) Type: configurationAlarm (11) Probable cause: T_BBE_OTU_1DAY (1230)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-OTU one-day threshold is crossed.
Name: TBbeP15Min (3402) Type: configurationAlarm (11) Probable cause: T_BBE_P_15MIN (1231)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-P 15-minute threshold is crossed.
Name: TBbeP1Day (3403) Type: configurationAlarm (11) Probable cause: T_BBE_P_1DAY (1232)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-P one-day threshold is crossed.
Name: TBbePt15Min (3404) Type: configurationAlarm (11) Probable cause: T_BBE_PT_15MIN (1233)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-PT 15-minute threshold is crossed.
Name: TBbePt1Day (3405) Type: configurationAlarm (11) Probable cause: T_BBE_PT_1DAY (1234)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-PT one-day threshold is crossed.
Name: TBbeRs15Min (3406) Type: configurationAlarm (11) Probable cause: T_BBE_RS_15MIN (1235)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-RS 15-minute threshold is crossed.
Name: TBbeRs1Day (3407) Type: configurationAlarm (11) Probable cause: T_BBE_RS_1DAY (1236)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-RS one-day threshold is crossed.

(21 of 37)

Alarm	Attributes	Description
Name: TBbeRst15Min (3408) Type: configurationAlarm (11) Probable cause: T_BBE_RST_15MIN (1237)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-RS 15-minute threshold is crossed.
Name: TBbeRst1Day (3409) Type: configurationAlarm (11) Probable cause: T_BBE_RST_1DAY (1238)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BBE-RS one-day threshold is crossed.
Name: TBERPostFec15Min (3410) Type: configurationAlarm (11) Probable cause: T_BERPOSTFEC_15MIN (1239)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the post-FEC 15-minute BER threshold is crossed.
Name: TBERPostFec1Day (3411) Type: configurationAlarm (11) Probable cause: T_BERPOSTFEC_1DAY (1240)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the post-FEC one-day BER threshold is crossed.
Name: TBERPreFec15Min (3412) Type: configurationAlarm (11) Probable cause: T_BERPREFEC_15MIN (1241)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the pre-FEC 15-minute BER threshold is crossed.
Name: TBERPreFec1Day (3413) Type: configurationAlarm (11) Probable cause: T_BERPREFEC_1DAY (1242)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the pre-FEC one-day BER threshold is crossed.
Name: TBIAESOt15Min (3394) Type: configurationAlarm (11) Probable cause: T_BIAES_OTU_15MIN (1223)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BIAES-OTU 15-minute threshold is crossed.
Name: TBIAESOt1Day (3395) Type: configurationAlarm (11) Probable cause: T_BIAES_OTU_1DAY (1224)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the BIAES-OTU one-day threshold is crossed.
Name: TCv15Min (3414) Type: configurationAlarm (11) Probable cause: T_CV_15MIN (1243)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV 15-minute threshold is crossed.
Name: TCv1Day (3415) Type: configurationAlarm (11) Probable cause: T_CV_1DAY (1244)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV one-day threshold is crossed.
Name: TCvPcs15Min (3416) Type: configurationAlarm (11) Probable cause: T_CV_PCS_15MIN (1245)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-PCS 15-minute threshold is crossed.

(22 of 37)

Alarm	Attributes	Description
Name: TCvPcs1Day (3417) Type: configurationAlarm (11) Probable cause: T_CV_PCS_1DAY (1246)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-PCS one-day threshold is crossed.
Name: TCvPcst15Min (3418) Type: configurationAlarm (11) Probable cause: T_CV_PCST_15MIN (1247)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-PCS 15-minute threshold is crossed.
Name: TCvPcst1Day (3419) Type: configurationAlarm (11) Probable cause: T_CV_PCST_1DAY (1248)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-PCS one-day threshold is crossed.
Name: TCvs15Min (3420) Type: configurationAlarm (11) Probable cause: T_CVS_15MIN (1249)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-S 15-minute threshold is crossed.
Name: TCvs1Day (3421) Type: configurationAlarm (11) Probable cause: T_CVS_1DAY (1250)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-S one-day threshold is crossed.
Name: TCvst15Min (3422) Type: configurationAlarm (11) Probable cause: T_CVST_15MIN (1251)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-S 15-minute threshold is crossed.
Name: TCvst1Day (3423) Type: configurationAlarm (11) Probable cause: T_CVST_1DAY (1252)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the CV-S one-day threshold is crossed.
Name: TEs15Min (3424) Type: configurationAlarm (11) Probable cause: T_ES_15MIN (1253)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES 15-minute threshold is crossed.
Name: TEs1Day (3425) Type: configurationAlarm (11) Probable cause: T_ES_1DAY (1254)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES one-day threshold is crossed.
Name: TEsL15Min (3426) Type: configurationAlarm (11) Probable cause: T_ES_L_15MIN (1255)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-L 15-minute threshold is crossed.
Name: TEsL1Day (3427) Type: configurationAlarm (11) Probable cause: T_ES_L_1DAY (1256)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-L one-day threshold is crossed.

(23 of 37)

Alarm	Attributes	Description
Name: TEsMs15Min (3428) Type: configurationAlarm (11) Probable cause: T_ES_MS_15MIN (1257)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-MS 15-minute threshold is crossed.
Name: TEsMs1Day (3429) Type: configurationAlarm (11) Probable cause: T_ES_MS_1DAY (1258)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-MS one-day threshold is crossed.
Name: TEsOdu15Min (3430) Type: configurationAlarm (11) Probable cause: T_ES_ODU_15MIN (1259)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-ODU 15-minute threshold is crossed.
Name: TEsOdu1Day (3431) Type: configurationAlarm (11) Probable cause: T_ES_ODU_1DAY (1260)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-ODU one-day threshold is crossed.
Name: TEsOtu15Min (3432) Type: configurationAlarm (11) Probable cause: T_ES_OTU_15MIN (1261)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-OTU 15-minute threshold is crossed.
Name: TEsOtu1Day (3433) Type: configurationAlarm (11) Probable cause: T_ES_OTU_1DAY (1262)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-OTU one-day threshold is crossed.
Name: TEsP15Min (3434) Type: configurationAlarm (11) Probable cause: T_ES_P_15MIN (1263)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-P 15-minute threshold is crossed.
Name: TEsP1Day (3435) Type: configurationAlarm (11) Probable cause: T_ES_P_1DAY (1264)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-P one-day threshold is crossed.
Name: TEsPcs15Min (3436) Type: configurationAlarm (11) Probable cause: T_ES_PCS_15MIN (1265)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PCS 15-minute threshold is crossed.
Name: TEsPcs1Day (3437) Type: configurationAlarm (11) Probable cause: T_ES_PCS_1DAY (1266)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PCS one-day threshold is crossed.
Name: TEsPcst15Min (3438) Type: configurationAlarm (11) Probable cause: T_ES_PCST_15MIN (1267)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PCS 15-minute threshold is crossed.

(24 of 37)

Alarm	Attributes	Description
Name: TEsPcst1Day (3439) Type: configurationAlarm (11) Probable cause: T_ES_PCST_1DAY (1268)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PCS one-day threshold is crossed.
Name: TEsPt15Min (3440) Type: configurationAlarm (11) Probable cause: T_ES_PT_15MIN (1269)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PT 15-minute threshold is crossed.
Name: TEsPt1Day (3441) Type: configurationAlarm (11) Probable cause: T_ES_PT_1DAY (1270)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-PT one-day threshold is crossed.
Name: TEsRs15Min (3442) Type: configurationAlarm (11) Probable cause: T_ES_RS_15MIN (1271)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-RS 15-minute threshold is crossed.
Name: TEsRs1Day (3443) Type: configurationAlarm (11) Probable cause: T_ES_RS_1DAY (1272)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-RS one-day threshold is crossed.
Name: TEsRst15Min (3444) Type: configurationAlarm (11) Probable cause: T_ES_RST_15MIN (1273)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-RS 15-minute threshold is crossed.
Name: TEsRst1Day (3445) Type: configurationAlarm (11) Probable cause: T_ES_RST_1DAY (1274)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-RS one-day threshold is crossed.
Name: TEss15Min (3446) Type: configurationAlarm (11) Probable cause: T_ESS_15MIN (1275)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-S 15-minute threshold is crossed.
Name: TEss1Day (3447) Type: configurationAlarm (11) Probable cause: T_ESS_1DAY (1276)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-S one-day threshold is crossed.
Name: TEsst15Min (3448) Type: configurationAlarm (11) Probable cause: T_ESST_15MIN (1277)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-S 15-minute threshold is crossed.
Name: TEsst1Day (3449) Type: configurationAlarm (11) Probable cause: T_ESST_1DAY (1278)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ES-S one-day threshold is crossed.

(25 of 37)

Alarm	Attributes	Description
Name: TEthpkter15Min (3450) Type: configurationAlarm (11) Probable cause: T_ETHPKTER_15MIN (1279)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ETHPKTER 15-minute threshold is crossed.
Name: TEthpkter1Day (3451) Type: configurationAlarm (11) Probable cause: T_ETHPKTER_1DAY (1280)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ETHPKTER one-day threshold is crossed.
Name: TEthpktert15Min (3452) Type: configurationAlarm (11) Probable cause: T_ETHPKTERT_15MIN (1281)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ETHPKTERT 15-minute threshold is crossed.
Name: TEthpktert1Day (3453) Type: configurationAlarm (11) Probable cause: T_ETHPKTERT_1DAY (1282)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the ETHPKTERT one-day threshold is crossed.
Name: TFeBbeMs15Min (3454) Type: configurationAlarm (11) Probable cause: T_FEBBE_MS_15MIN (1283)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEBBE-MS 15-minute threshold is crossed.
Name: TFeBbeMs1Day (3455) Type: configurationAlarm (11) Probable cause: T_FEBBE_MS_1DAY (1284)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEBBE-MS one-day threshold is crossed.
Name: TFeBbeOdu15Min (3456) Type: configurationAlarm (11) Probable cause: T_FEBBE_ODU_15MIN (1285)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd BBE-ODU 15-minute threshold is crossed.
Name: TFeBbeOdu1Day (3457) Type: configurationAlarm (11) Probable cause: T_FEBBE_ODU_1DAY (1286)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd BBE-ODU one-day threshold is crossed.
Name: TFeBbeOtu15Min (3458) Type: configurationAlarm (11) Probable cause: T_FEBBE_OTU_15MIN (1287)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd BBE-OTU 15-minute threshold is crossed.
Name: TFeBbeOtu1Day (3459) Type: configurationAlarm (11) Probable cause: T_FEBBE_OTU_1DAY (1288)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd BBE-OTU one-day threshold is crossed.
Name: TFecc15Min (3480) Type: configurationAlarm (11) Probable cause: T_FECC_15MIN (1309)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FECC 15-minute threshold is crossed.

(26 of 37)

Alarm	Attributes	Description
Name: TFecc1Day (3481) Type: configurationAlarm (11) Probable cause: T_FECC_1DAY (1310)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FECC one-day threshold is crossed.
Name: TFecUbu15Min (3478) Type: configurationAlarm (11) Probable cause: T_FEC_UBU_15MIN (1307)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEC UBU 15-minute threshold is crossed.
Name: TFecUbu1Day (3479) Type: configurationAlarm (11) Probable cause: T_FEC_UBU_1DAY (1308)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEC UBU one-day threshold is crossed.
Name: TFeEsMs15Min (3460) Type: configurationAlarm (11) Probable cause: T_FEES_MS_15MIN (1289)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEES-MS 15-minute threshold is crossed.
Name: TFeEsMs1Day (3461) Type: configurationAlarm (11) Probable cause: T_FEES_MS_1DAY (1290)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEES-MS one-day threshold is crossed.
Name: TFeEsOdu15Min (3462) Type: configurationAlarm (11) Probable cause: T_FEES_ODU_15MIN (1291)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd ES-ODU 15-minute threshold is crossed.
Name: TFeEsOdu1Day (3463) Type: configurationAlarm (11) Probable cause: T_FEES_ODU_1DAY (1292)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd ES-ODU one-day threshold is crossed.
Name: TFeEsOtu15Min (3464) Type: configurationAlarm (11) Probable cause: T_FEES_OTU_15MIN (1293)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd ES-OTU 15-minute threshold is crossed.
Name: TFeEsOtu1Day (3465) Type: configurationAlarm (11) Probable cause: T_FEES_OTU_1DAY (1294)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd ES-OTU one-day threshold is crossed.
Name: TFeSesMs15Min (3466) Type: configurationAlarm (11) Probable cause: T_FESES_MS_15MIN (1295)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FESES-MS 15-minute threshold is crossed.
Name: TFeSesMs1Day (3467) Type: configurationAlarm (11) Probable cause: T_FESES_MS_1DAY (1296)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FESES-MS one-day threshold is crossed.

(27 of 37)

Alarm	Attributes	Description
Name: TFeSesOdu15Min (3468) Type: configurationAlarm (11) Probable cause: T_FESES_ODU_15MIN (1297)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd SES-ODU 15-minute threshold is crossed.
Name: TFeSesOdu1Day (3469) Type: configurationAlarm (11) Probable cause: T_FESES_ODU_1DAY (1298)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd SES-ODU one-day threshold is crossed.
Name: TFeSesOtu15Min (3470) Type: configurationAlarm (11) Probable cause: T_FESES_OTU_15MIN (1299)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd SES-OTU 15-minute threshold is crossed.
Name: TFeSesOtu1Day (3471) Type: configurationAlarm (11) Probable cause: T_FESES_OTU_1DAY (1300)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd SES-OTU one-day threshold is crossed.
Name: TFeUasMs15Min (3472) Type: configurationAlarm (11) Probable cause: T_FEUAS_MS_15MIN (1301)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEUAS-MS 15-minute threshold is crossed.
Name: TFeUasMs1Day (3473) Type: configurationAlarm (11) Probable cause: T_FEUAS_MS_1DAY (1302)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FEUAS-MS one-day threshold is crossed.
Name: TFeUasOdu15Min (3474) Type: configurationAlarm (11) Probable cause: T_FEUAS_ODU_15MIN (1303)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd UAS-ODU 15-minute threshold is crossed.
Name: TFeUasOdu1Day (3475) Type: configurationAlarm (11) Probable cause: T_FEUAS_ODU_1DAY (1304)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd UAS-ODU one-day threshold is crossed.
Name: TFeUasOtu15Min (3476) Type: configurationAlarm (11) Probable cause: T_FEUAS_OTU_15MIN (1305)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd UAS-OTU 15-minute threshold is crossed.
Name: TFeUasOtu1Day (3477) Type: configurationAlarm (11) Probable cause: T_FEUAS_OTU_1DAY (1306)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the FarEnd UAS-OTU one-day threshold is crossed.
Name: TIAESOtu15Min (3482) Type: configurationAlarm (11) Probable cause: T_IAES_OTU_15MIN (1311)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the IAES-OTU 15-minute threshold is crossed.

(28 of 37)

Alarm	Attributes	Description
Name: TIAESOTu1Day (3483) Type: configurationAlarm (11) Probable cause: T_IAES_OTU_1DAY (1312)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the IAES-OTU one-day threshold is crossed.
Name: TnSdhAlarmIndicationSignalRaisedNotif (2099) Type: configurationAlarm (11) Probable cause: AISL (1076)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to AIS Line/MS
Name: TnSdhLossOfFrameRaisedNotif (2100) Type: communicationsAlarm (4) Probable cause: Lof (1073)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Loss of frame.
Name: TnSdhLossOfSignalRaisedNotif (2101) Type: communicationsAlarm (4) Probable cause: Los (1077)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on LOS.
Name: TnSdhSignalDegradeRaisedNotif (2102) Type: communicationsAlarm (4) Probable cause: SigDig (1078)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Signal Degrade.
Name: TnSdhSignalFailureRaisedNotif (2103) Type: communicationsAlarm (4) Probable cause: Sf (1079)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Excessive BER.
Name: TnSfpReceiverPwrOORRaisedNotif (2104) Type: configurationAlarm (11) Probable cause: SfpReceiverPwrOOR (1080)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due Pluggable Module optical receiver power out of range
Name: TnUserEqptMismatchRaisedNotif (2105) Type: configurationAlarm (11) Probable cause: UserEquipMismatch (1081)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to user equipment mismatch.
Name: TOprh15Min (3484) Type: configurationAlarm (11) Probable cause: T_OPRH_15MIN (1313)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPRH tidemark 15-minute threshold is crossed.
Name: TOprh1Day (3485) Type: configurationAlarm (11) Probable cause: T_OPRH_1DAY (1314)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPRH tidemark one-day threshold is crossed.
Name: TOprl15Min (3486) Type: configurationAlarm (11) Probable cause: T_OPRL_15MIN (1315)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPRL tidemark 15-minute threshold is crossed.

(29 of 37)

Alarm	Attributes	Description
Name: TOprl1Day (3487) Type: configurationAlarm (11) Probable cause: T_OPRL_1DAY (1316)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPRL tidemark one-day threshold is crossed.
Name: TOpth15Min (3488) Type: configurationAlarm (11) Probable cause: T_OTPH_15MIN (1317)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPTH tidemark 15-minute threshold is crossed.
Name: TOpth1Day (3489) Type: configurationAlarm (11) Probable cause: T_OTPH_1DAY (1318)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPTH tidemark one-day threshold is crossed.
Name: TOptl15Min (3490) Type: configurationAlarm (11) Probable cause: T_OPTL_15MIN (1319)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPTL tidemark 15-minute threshold is crossed.
Name: TOptl1Day (3491) Type: configurationAlarm (11) Probable cause: T_OPTL_1DAY (1320)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the OPTL tidemark one-day threshold is crossed.
Name: TPostfec15Min (3492) Type: configurationAlarm (11) Probable cause: T_POSTFEC_15MIN (1321)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the Post-FEC BER 15-minute threshold is crossed.
Name: TPostfec1Day (3493) Type: configurationAlarm (11) Probable cause: T_POSTFEC_1DAY (1322)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the Post-FEC BER one-day threshold is crossed.
Name: TPrefec15Min (3494) Type: configurationAlarm (11) Probable cause: T_PREFEC_15MIN (1323)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the Pre-FEC BER 15-minute threshold is crossed.
Name: TPrefec1Day (3495) Type: configurationAlarm (11) Probable cause: T_PREFEC_1DAY (1324)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the Pre-FEC BER one-day threshold is crossed.
Name: TracelIdentifierMismatch (2106) Type: communicationsAlarm (4) Probable cause: Timodu (1375)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a trail trace identifier mismatch is detected.
Name: TransmitLaserOffRxFaultDuringLineLoopback (2107) Type: communicationsAlarm (4) Probable cause: LaserOffLpbk (1082)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to transmit laser off.

(30 of 37)

Alarm	Attributes	Description
Name: TrmtMOD (3546) Type: configurationAlarm (11) Probable cause: TrmtMOD (1376)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a pluggable module transmit failure is detected.
Name: TSefs15Min (3496) Type: configurationAlarm (11) Probable cause: T_SEFS_15MIN (1325)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS 15-minute threshold is crossed.
Name: TSefs1Day (3497) Type: configurationAlarm (11) Probable cause: T_SEFS_1DAY (1326)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS one-day threshold is crossed.
Name: TSefsPcs15Min (3498) Type: configurationAlarm (11) Probable cause: T_SEFS_PCS_15MIN (1327)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-PCS 15-minute threshold is crossed.
Name: TSefsPcs1Day (3499) Type: configurationAlarm (11) Probable cause: T_SEFS_PCS_1DAY (1328)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-PCS one-day threshold is crossed.
Name: TSefsPcst15Min (3500) Type: configurationAlarm (11) Probable cause: T_SEFS_PCST_15MIN (1329)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-PCS 15-minute threshold is crossed.
Name: TSefsPcst1Day (3501) Type: configurationAlarm (11) Probable cause: T_SEFS_PCST_1DAY (1330)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-PCS one-day threshold is crossed.
Name: TSefss15Min (3502) Type: configurationAlarm (11) Probable cause: T_SEFSS_15MIN (1331)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-S 15-minute threshold is crossed.
Name: TSefss1Day (3503) Type: configurationAlarm (11) Probable cause: T_SEFSS_1DAY (1332)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-S one-day threshold is crossed.
Name: TSefsst15Min (3504) Type: configurationAlarm (11) Probable cause: T_SEFSST_15MIN (1333)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-S 15-minute threshold is crossed.
Name: TSefsst1Day (3505) Type: configurationAlarm (11) Probable cause: T_SEFSST_1DAY (1334)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SEFS-S one-day threshold is crossed.

(31 of 37)

Alarm	Attributes	Description
Name: TSes15Min (3506) Type: configurationAlarm (11) Probable cause: T_SES_15MIN (1335)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES 15-minute threshold is crossed.
Name: TSes1Day (3507) Type: configurationAlarm (11) Probable cause: T_SES_1DAY (1336)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES one-day threshold is crossed.
Name: TSesL15Min (3508) Type: configurationAlarm (11) Probable cause: T_SES_L_15MIN (1337)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-L 15-minute threshold is crossed.
Name: TSesL1Day (3509) Type: configurationAlarm (11) Probable cause: T_SES_L_1DAY (1338)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-L one-day threshold is crossed.
Name: TSesMs15Min (3510) Type: configurationAlarm (11) Probable cause: T_SES_MS_15MIN (1339)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-MS 15-minute threshold is crossed.
Name: TSesMs1Day (3511) Type: configurationAlarm (11) Probable cause: T_SES_MS_1DAY (1340)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-MS one-day threshold is crossed.
Name: TSesOdu15Min (3512) Type: configurationAlarm (11) Probable cause: T_SES_ODU_15MIN (1341)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-ODU 15-minute threshold is crossed.
Name: TSesOdu1Day (3513) Type: configurationAlarm (11) Probable cause: T_SES_ODU_1DAY (1342)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-ODU one-day threshold is crossed.
Name: TSesOtu15Min (3514) Type: configurationAlarm (11) Probable cause: T_SES_OTU_15MIN (1343)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-OTU 15-minute threshold is crossed.
Name: TSesOtu1Day (3515) Type: configurationAlarm (11) Probable cause: T_SES_OTU_1DAY (1344)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-OTU one-day threshold is crossed.
Name: TSesP15Min (3516) Type: configurationAlarm (11) Probable cause: T_SES_P_15MIN (1345)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-P 15-minute threshold is crossed.

(32 of 37)

Alarm	Attributes	Description
Name: TSesP1Day (3517) Type: configurationAlarm (11) Probable cause: T_SES_P_1DAY (1346)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-P one-day threshold is crossed.
Name: TSesPcs15Min (3518) Type: configurationAlarm (11) Probable cause: T_SES_PCS_15MIN (1347)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PCS 15-minute threshold is crossed.
Name: TSesPcs1Day (3519) Type: configurationAlarm (11) Probable cause: T_SES_PCS_1DAY (1348)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PCS one-day threshold is crossed.
Name: TSesPcst15Min (3520) Type: configurationAlarm (11) Probable cause: T_SES_PCST_15MIN (1349)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PCS 15-minute threshold is crossed.
Name: TSesPcst1Day (3521) Type: configurationAlarm (11) Probable cause: T_SES_PCST_1DAY (1350)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PCS one-day threshold is crossed.
Name: TSesPt15Min (3522) Type: configurationAlarm (11) Probable cause: T_SES_PT_15MIN (1351)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PT 15-minute threshold is crossed.
Name: TSesPt1Day (3523) Type: configurationAlarm (11) Probable cause: T_SES_PT_1DAY (1352)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-PT one-day threshold is crossed.
Name: TSesRs15Min (3524) Type: configurationAlarm (11) Probable cause: T_SES_RS_15MIN (1353)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-RS 15-minute threshold is crossed.
Name: TSesRs1Day (3525) Type: configurationAlarm (11) Probable cause: T_SES_RS_1DAY (1354)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-RS one-day threshold is crossed.
Name: TSesRst15Min (3526) Type: configurationAlarm (11) Probable cause: T_SES_RST_15MIN (1355)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-RS 15-minute threshold is crossed.
Name: TSesRst1Day (3527) Type: configurationAlarm (11) Probable cause: T_SES_RST_1DAY (1356)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-RS one-day threshold is crossed.

(33 of 37)

Alarm	Attributes	Description
Name: TSess15Min (3528) Type: configurationAlarm (11) Probable cause: T_SESS_15MIN (1357)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-S 15-minute threshold is crossed.
Name: TSess1Day (3529) Type: configurationAlarm (11) Probable cause: T_SESS_1DAY (1358)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-S one-day threshold is crossed.
Name: TSesst15Min (3530) Type: configurationAlarm (11) Probable cause: T_SESST_15MIN (1359)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-S 15-minute threshold is crossed.
Name: TSesst1Day (3531) Type: configurationAlarm (11) Probable cause: T_SESST_1DAY (1360)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the SES-S one-day threshold is crossed.
Name: TUasMs15Min (3532) Type: configurationAlarm (11) Probable cause: T_UAS_MS_15MIN (1361)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-MS 15-minute threshold is crossed.
Name: TUasMs1Day (3533) Type: configurationAlarm (11) Probable cause: T_UAS_MS_1DAY (1362)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-MS one-day threshold is crossed.
Name: TUasOdu15Min (3534) Type: configurationAlarm (11) Probable cause: T_UAS_ODU_15MIN (1363)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-ODU 15-minute threshold is crossed.
Name: TUasOdu1Day (3535) Type: configurationAlarm (11) Probable cause: T_UAS_ODU_1DAY (1364)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-ODU one-day threshold is crossed.
Name: TUasOtu15Min (3536) Type: configurationAlarm (11) Probable cause: T_UAS_OTU_15MIN (1365)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-OTU 15-minute threshold is crossed.
Name: TUasOtu1Day (3537) Type: configurationAlarm (11) Probable cause: T_UAS_OTU_1DAY (1366)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-OTU one-day threshold is crossed.
Name: TUasP15Min (3538) Type: configurationAlarm (11) Probable cause: T_UAS_P_15MIN (1367)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-P 15-minute threshold is crossed.

(34 of 37)

Alarm	Attributes	Description
Name: TUasP1Day (3539) Type: configurationAlarm (11) Probable cause: T_UAS_P_1DAY (1368)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-P one-day threshold is crossed.
Name: TUasPt15Min (3540) Type: configurationAlarm (11) Probable cause: T_UAS_PT_15MIN (1369)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-PT 15-minute threshold is crossed.
Name: TUasPt1Day (3541) Type: configurationAlarm (11) Probable cause: T_UAS_PT_1DAY (1370)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-PT one-day threshold is crossed.
Name: TUasRs15Min (3542) Type: configurationAlarm (11) Probable cause: T_UAS_RS_15MIN (1371)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-RS 15-minute threshold is crossed.
Name: TUasRs1Day (3543) Type: configurationAlarm (11) Probable cause: T_UAS_RS_1DAY (1372)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-RS one-day threshold is crossed.
Name: TUasRst15Min (3544) Type: configurationAlarm (11) Probable cause: T_UAS_RST_15MIN (1373)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-RS 15-minute threshold is crossed.
Name: TUasRst1Day (3545) Type: configurationAlarm (11) Probable cause: T_UAS_RST_1DAY (1374)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the UAS-RS one-day threshold is crossed.
Name: TunableLaserNotProvisioned (2108) Type: configurationAlarm (11) Probable cause: PrcdrErr (1083)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised on Tunable laser not provisioned.
Name: UnExpectedWaveKey (2109) Type: communicationsAlarm (4) Probable cause: OchUnknown (1084)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the unaccepted wave key occurs.
Name: UnitFail (2110) Type: equipmentAlarm (3) Probable cause: SyncClk (1085)	Severity: Major Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised due to system timing synchronization unit failed.
Name: UnknowWaveKeyForConnection (2111) Type: communicationsAlarm (4) Probable cause: OWN (1086)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the unknown och trail for cross-connect.

(35 of 37)

Alarm	Attributes	Description
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Probable cause: upgradedCard (194)	Severity: Warning Object Type (class): Card Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.
Name: UpstreamChannelCollision (2112) Type: communicationsAlarm (4) Probable cause: ChanColl (1087)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a collision in one upstream channel is detected.
Name: UruOchLos (3547) Type: configurationAlarm (11) Probable cause: UruOchLos (1377)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the underlying channel is unavailable because of an LOS.
Name: UruOmsRx (3548) Type: configurationAlarm (11) Probable cause: UruOmsRx (1378)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the underlying ingress OMS is unavailable.
Name: UruOtsLos (3549) Type: configurationAlarm (11) Probable cause: UruOtsLos (1379)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the underlying OTS is unavailable because of an LOS.
Name: UruOtsRx (3550) Type: configurationAlarm (11) Probable cause: UruOtsRx (1380)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the underlying ingress OTS is unavailable.
Name: UruOtsTx (3551) Type: configurationAlarm (11) Probable cause: UruOtsTx (1381)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the underlying egress OTS is unavailable.
Name: UruOtu (3552) Type: configurationAlarm (11) Probable cause: UruOtu (1382)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an underlying OTU is unavailable.
Name: UruS (3553) Type: configurationAlarm (11) Probable cause: UruS (1383)	Severity: Warning Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when an underlying resource is unavailable.
Name: VCGLossOfAlignment (2113) Type: communicationsAlarm (4) Probable cause: VCGLoA (1088)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a VCG loss of alignment is detected.
Name: VCGServerSignalFailure (2114) Type: communicationsAlarm (4) Probable cause: LossOfSignal (1089)	Severity: Critical Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a VCG server detects a signal failure.

(36 of 37)

Alarm	Attributes	Description
Name: VoltageHigh (3554) Type: equipmentAlarm (3) Probable cause: VoltageHigh (1384)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the input voltage is too high.
Name: VoltageLow (3555) Type: equipmentAlarm (3) Probable cause: VoltageLow (1385)	Severity: Critical Object Type (class): CardSlot Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the input voltage is too low.
Name: VTSForwardDefectIndication (2115) Type: communicationsAlarm (4) Probable cause: VTSFdi (1090)	Severity: Info Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when a VTS raises an FDI.
Name: VTSOpenConnectionIndication (2116) Type: communicationsAlarm (4) Probable cause: VTSOci (1091)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the open connection indication in VTS.
Name: WaveKeyOverlap (2117) Type: communicationsAlarm (4) Probable cause: KeyOverlap (1092)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when two wave keys overlap.
Name: WavelengthTrackerCardDegrade (2118) Type: communicationsAlarm (4) Probable cause: CardDegrade (1093)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the channel Id insertion failure in wave key.
Name: WavelengthTrackerCommunicationFailure (2119) Type: communicationsAlarm (4) Probable cause: PortDegrade (1094)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when the wavelength tracker detection communication failure.
Name: WavelengthTrackerDetectionFailure (2120) Type: communicationsAlarm (4) Probable cause: PortDegrade (1094)	Severity: Minor Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when wavelength tracker detection fails.
Name: WavelengthTrackerEncodeDegrade (2121) Type: communicationsAlarm (4) Probable cause: MtcesurvDgr (1386)	Severity: Major Object Type (class): PhysicalPort Domain: equipment Implicitly cleared (self-clearing): Yes	The alarm is raised when wavelength tracker encoding degrades.

(37 of 37)

Table 2-2 Domain: netw

Alarm	Attributes	Description
Name: ARCIInhibit (2886) Type: configurationAlarm (11) Probable cause: ArcInd (1098)	Severity: Info Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised due to indefinite inhibition mode of alarm report control.
Name: DatabaseFileTransportFailure (2887) Type: configurationAlarm (11) Probable cause: DbFl (1099)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when a database file transport operation fails.
Name: DatabaseLocalCopyCreationfail (2888) Type: configurationAlarm (11) Probable cause: DbFl (1100)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the creation of a local database copy fails.
Name: DatabaseSyncFailed (2889) Type: configurationAlarm (11) Probable cause: DBMemtrf (1101)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when database synchronization fails.
Name: DbnotSyncd (2890) Type: configurationAlarm (11) Probable cause: DbUnSync (1102)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised due to active and standby main EC databases are not sync.
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Probable cause: frameSizeProblem (33)	Severity: Critical Object Type (class): StatefullConnectableInterface Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.
Name: Intrusion (3601) Type: configurationAlarm (11) Probable cause: Intrusion (1390)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when the number of invalid login attempts is excessive.
Name: InvalidDatabase (2891) Type: configurationAlarm (11) Probable cause: DbInvalid (1103)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when a database is invalid.
Name: InvalidTopology (2892) Type: configurationAlarm (11) Probable cause: InvalidTopo (1104)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when topology has misconfigured.

(1 of 4)

Alarm	Attributes	Description
Name: LostReference (2893) Type: configurationAlarm (11) Probable cause: sync (1105)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised due to lost of redundant reference of system time.
Name: LostTimingReferences (2894) Type: configurationAlarm (11) Probable cause: SyncOos (1106)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised due to lost of references of system time.
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Probable cause: nodeDatabaseFallback (1121)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	This alarm is raised when a configuration fallback has been detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or full resync its database with the 'fallback' configuration returned by the node.
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Probable cause: nodeDatabaseMisalignment (1122)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	This alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool, i.e.: NEM) To correct this situation it might be necessary to reconfigure the node with the SAM's old configuration or accepting the new configuration received from the node.
Name: NTPServerNotReachable (2896) Type: configurationAlarm (11) Probable cause: NTPooSync (1107)	Severity: Info Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the network timing protocol is out of sync.
Name: PollerProblem (31) Type: communicationsAlarm (4) Probable cause: resyncFailed (24)	Severity: Warning Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.

(2 of 4)

Alarm	Attributes	Description
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Probable cause: ReachabilityTestFailed (176)	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when an Mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. By default, the 5620 SAM polls a managed NE every two minutes. If a poll fails, the alarm is raised. The 5620 SAM polls the NE two minutes after the first failure. If successive polls fail, the 5620 SAM raises the polling interval for the NE by two minutes after each failure to a maximum of 12 min. The polling interval remains at 12 min until the 5620 SAM receives a response from the NE. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.
Name: ShelfAssignmentFailure (2897) Type: configurationAlarm (11) Probable cause: PrcDreRR (1108)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the subtended shelf cannot be assigned a shelf Id.
Name: SoftwareNotCommitted (2898) Type: softwareAlarm (19) Probable cause: SwUpgCommit (1109)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the software autoinstall is disabled.
Name: SoftwareUpgradeFailure (2899) Type: softwareAlarm (19) Probable cause: SwUpgFail (1110)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the software upgrade fails.
Name: SoftwareUpgradeInProgress (2900) Type: softwareAlarm (19) Probable cause: SwftDwn (1111)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised when the software upgrade is in progress.
Name: SystemTimemisConfig (2901) Type: configurationAlarm (11) Probable cause: PrcDreRR (1108)	Severity: Minor Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): No	The alarm is raised due to misprovisioning of system time.
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Probable causes: <ul style="list-style-type: none"> trapDestinationMisconfigured (26) duplicateTrapLogId (27) 	Severity: Major Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when an SNMP trap destination other than the 5620 SAM is configured on an NE.

(3 of 4)

Alarm	Attributes	Description
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Probable cause: upgradedImageNotBooted (137)	Severity: Warning Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Probable cause: wrongCpaaSoftwareVersion (559)	Severity: Critical Object Type (class): NetworkElement Domain: netw Implicitly cleared (self-clearing): Yes	The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.

(4 of 4)

Table 2-3 Domain: optical

Alarm	Attributes	Description
Name: AISLine (2902) Type: communicationAlarm (96) Probable cause: LossofSignal (1089)	Severity: Info Object Type (class): OpticalPortSpecifics Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when the sonet alarm indication occurs.
Name: ExcessiveBER (2903) Type: communicationAlarm (96) Probable cause: LossofSignal (1089)	Severity: Critical Object Type (class): OpticalPortSpecifics Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when the sonet signal fails.
Name: RFILine (2904) Type: communicationAlarm (96) Probable cause: LossofSignal (1089)	Severity: Info Object Type (class): OpticalPortSpecifics Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when the sonet remote line fails.
Name: SignalDegrade (2091) Type: communicationAlarm (96) Probable cause: LossofSignal (1089)	Severity: Major Object Type (class): OpticalPortSpecifics Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when the sonet signal degrades.
Name: SonetLossofSignal (2905) Type: communicationAlarm (96) Probable cause: LossofSignal (1089)	Severity: Critical Object Type (class): OpticalPortSpecifics Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when sonet/sdh loss of signal occurs.
Name: SystemModeChange (1923) Type: equipmentAlarm (3) Probable cause: systemModeChange (923)	Severity: Major Object Type (class): OpticalNeProperties Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised when an NE undergoes a system mode change, for ex. from SONET to SDH mode. The alarm information includes the Site ID, old system mode value and new system mode value.

(1 of 2)

Alarm	Attributes	Description
Name: TransportServiceDown (2906) Type: serviceDown (88) Probable cause: PortOperationStateDown (1112)	Severity: Critical Object Type (class): TransportService Domain: optical Implicitly cleared (self-clearing): Yes	The alarm is raised when the Operational State of a XC is down or port Operational state is down.
Name: TransportServiceMisConfigured (3602) Type: configurationAlarm (11) Probable cause: OchCrossConnectionTrailNameMismatch (1391)	Severity: Critical Object Type (class): TransportService Domain: optical Implicitly cleared (self-clearing): No	The alarm is raised in following cases - case 1 : when all the OCH Cross Connections of an OCH trail do not have the same Trail Name . In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OCH Trail.

(2 of 2)

Table 2-4 Domain: ospf

Alarm	Attributes	Description
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Probable cause: OspfInterfaceDown (112)	Severity: Warning Object Type (class): Interface Domain: ospf Implicitly cleared (self-clearing): Yes	The alarm is raised when an OSPF interface is operationally down.

Table 2-5 Domain: sw

Alarm	Attributes	Description
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Probable cause: fileTransferFailure (89)	Severity: Major Object Type (class): BackupRestoreManager Domain: sw Implicitly cleared (self-clearing): Yes	The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Probable cause: fileTransferFailure (89)	Severity: Major Object Type (class): BackupRestoreManager Domain: sw Implicitly cleared (self-clearing): Yes	The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Probable cause: fileAccessError (90)	Severity: Major Object Type (class): BackupRestoreManager Domain: sw Implicitly cleared (self-clearing): Yes	The alarm is raised when the admin save command on an NE fails.
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Probable cause: versionMismatch (405)	Severity: Major Object Type (class): BackupRestoreManager Domain: sw Implicitly cleared (self-clearing): Yes	The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.

Customer documentation and product support



Customer documentation

<http://www.alcatel-lucent.com/myaccess>

Product manuals and documentation updates are available at [alcatel-lucent.com](http://www.alcatel-lucent.com). If you are a new user and require access to this service, please contact your Alcatel-Lucent sales representative.



Technical Support

<http://support.alcatel-lucent.com>



Documentation feedback

documentation.feedback@alcatel-lucent.com



© 2011 Alcatel-Lucent. All rights reserved.

3HE 06513 AAAD TQZZA Edition 01