Alcatel-Lucent 5620

SERVICE AWARE MANAGER | RELEASE 9.0 R3

OPTICAL PARAMETER REFERENCE

3HE 06512 AAAC TQZZA Edition 01

Disclaimers

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

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

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

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

Alcatel-Lucent License Agreement

SAMPLE END USER LICENSE AGREEMENT

1. LICENSE

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

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

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

2. PROTECTION AND SECURITY OF LICENSED PROGRAMS

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

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

3. TERM

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

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

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

4. CHARGES

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

5. SUPPORT AND UPGRADES

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

6. WARRANTIES AND INDEMNIFICATION

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

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

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

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

7. LIMITATION OF LIABILITY

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

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

8. GENERAL

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

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

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

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

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

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

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

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

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

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

Preface

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

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	
5620 SAM Planning Guide	The *5620 SAM Planning Guide* provides information about 5620 SAM scalability and recommended hardware configurations.

(1 of 4)

Guide	Description
5620 SAM | 5650 CPAM Installation and Upgrade Guide	The *5620 SAM | 5650 CPAM Installation and Upgrade Guide* provides OS considerations, configuration information, and procedures for the following: • installing, upgrading, and uninstalling 5620 SAM and 5650 CPAM software in standalone and redundant deployments • 5620 SAM system migration to a different system • conversion from a standalone to a redundant 5620 SAM system
5620 SAM User Guide	The *5620 SAM User Guide* provides information about using the 5620 SAM to manage the service-aware IP/MPLS network, including GUI basics, commissioning, service configuration, and policy management. The *5620 SAM User Guide* uses a task-based format. Each chapter contains: • a workflow that describes the steps for configuring and using the functionality • detailed procedures that list the configurable parameters on the associated forms 5620 SAM management information specific to LTE network elements is covered in the *5620 SAM LTE ePC User Guide* and *5620 SAM LTE RAN User Guide*. 5620 SAM management information specific to 1830 PSS network elements is covered in the *5620 SAM Optical User Guide*.
5620 SAM Parameter Guide	The *5620 SAM Parameter Guide* provides: • parameter descriptions that include value ranges and default values • parameter options and option descriptions • parameter and option dependencies • parameter mappings to the 5620 SAM-O XML equivalent property names There are dynamic links between the procedures in the *5620 SAM User Guide* and the parameter descriptions in the *5620 SAM Parameter Guide*. See Procedure 2 for more information. Parameters specific to LTE network elements are covered in the *5620 SAM LTE Parameter Reference*. Parameters specific to 1830 PSS network elements are covered in the *5620 SAM Optical Parameter Reference*.
5620 SAM Statistics Management Guide	The *5620 SAM Statistics Management Guide* provides information about how to configure performance and accounting statistics collection and how to view counters using the 5620 SAM. Network examples are included.
5620 SAM Scripts and Templates Developer Guide	The *5620 SAM Scripts and Templates Developer Guide* 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: • CLI scripting, XML, and the Velocity engine • basic scripting or programming • 5620 SAM functions

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

(2 of 4)

Guide	Description
5620 SAM Maintenance Guide	The *5620 SAM Maintenance Guide* provides procedures for: • generating baseline information for 5620 SAM applications • performing daily, weekly, monthly, and as-required maintenance activities for 5620 SAM-managed networks
5620 SAM Integration Guide	The *5620 SAM Integration Guide* provides procedures to allow the 5620 SAM to integrate with additional components.
5620 SAM System Architecture Guide	The *5620 SAM System Architecture Guide* 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.
5620 SAM Supervision Module User Guide	The *5620 SAM Supervision Module User Guide* 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.
5620 SAM Network Element Compatibility Guide	The *5620 SAM Network Element Compatibility Guide* provides release-specific information about the compatibility of managed device features in 5620 SAM releases.
5620 SAM Release Description	The *5620 SAM Release Description* provides information about the new features associated with a 5620 SAM software release.
5620 SAM Glossary	The *5620 SAM Glossary* defines terms and acronyms used in all of the 5620 SAM documentation, including 5620 SAM LTE documentation.
5620 SAM XML OSS Interface Developer Guide	The *5620 SAM XML OSS Interface Developer Guide* provides information that allows you to: • use the 5620 SAM XML OSS interface to access network management information • learn about the information model associated with the managed network • develop OSS applications using the packaged methods, classes, data types, and objects necessary to manage 5620 SAM functions
5620 SAM LTE documentation	
5620 SAM LTE ePC User Guide	The *5620 SAM LTE ePC User Guide* describes how to discover, configure, and manage LTE ePC devices using the 5620 SAM. The guide is intended for LTE ePC network planners, administrators, and operators. Alcatel-Lucent recommends that you review the entire *5620 SAM LTE ePC User Guide* before you attempt to use the 5620 SAM in your LTE network.
5620 SAM LTE RAN User Guide	The *5620 SAM LTE RAN User Guide* describes how to discover, configure, and manage the Evolved NodeB, or eNodeB, using the 5620 SAM. The guide is intended for LTE RAN network planners, administrators, and operators. Alcatel-Lucent recommends that you review the entire *5620 SAM LTE RAN User Guide* before you attempt to use the 5620 SAM in your LTE network.
5620 SAM LTE Parameter Reference	The *5620 SAM LTE Parameter Reference* provides a list of all LTE ePC and LTE RAN parameters supported in the 5620 SAM.
5620 SAM LTE Alarm Reference	The *5620 SAM LTE Alarm Reference* provides a list of LTE ePC and LTE RAN alarms that can be reported in the 5620 SAM GUI.
5620 SAM 3GPP OSS Interface Developer Guide	The *5620 SAM 3GPP OSS Interface Developer Guide* 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.
5620 SAM 3GPP OSS Interface Compliance Statements	The *5620 SAM 3GPP OSS Interface Compliance Statements* document describes the compliance of the 5620 SAM 3GPP OSS interface with the 3GPP standard.
5620 SAM LTE RAN Release Description	The *5620 SAM LTE RAN Release Description* provides information about the LTE RAN features associated with the release.

(3 of 4)

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

(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

1830 PSS parameter types

1830 PSS overview

1 — 5620 SAM 1830 PSS Parameter Reference overview

1 — 5620 SAM 1830 PSS Parameter Reference overview

1.1 *5620 SAM* Optical Parameter Reference overview

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

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

Audience

This parameter reference is intended for network planners, administrators, operators, third-party OSS system developers, and technical support staff using the 5620 SAM client GUI and the 5620 SAM-O.

5620 SAM Optical Parameter Reference structure

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

Parameter information

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

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

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

1830 PSS parameters

18 — OchCrossConnect

19 — OchCrossConnectBinding

20 — OCHTrail

21 — OCStmSpecifics

22 — OpsaPortSpecifics

23 — OpticalCardSpecifics

24 — OpticalLink

25 — OpticalNeProperties

26 — OpticalPortSpecifics

27 — OpticalShelfSpecifics

28 — OpticsPMPolicy

29 — OTCrossConnect

30 — OTPortSpecifics

31 — OtuOduSpecifics

32 — PowerAdjustmentRule

33 — PowerSpecifics

34 — PSSPMPolicy

35 — SdiSpecifics

36 — ServicePath

37 — ServicePathBinding

38 — ServiceSite

39 — SubRateService

40 — TCAProfileAssigner

41 — TerminationPoint

42 — Trail

43 — TrailBinding

44 — TransportService

45 — UnexpectedWtKeyEntry

46 — VtsConnection

47 — VtsMap

48 — VtsSpecifics

49 — WavekeyDecodeSpecifics

50 — WavekeyEncodeSpecifics

51 — WaveTrackerKeyEntry

52 — YCableService

2 — AbstractOpticalPortSpecifics

Table 2-1 AbstractOpticalPortSpecifics parameters

Parameters	
assignedRate	portType

Table 2-2 assignedRate

Name	Value
Default	unassigned
Description	Assigned Port Rate.
Displayed Name	Assigned Rate
Type	AssignedRate

Table 2-3 portType

Name	Value
Default	unknown
Type	OpticalPortType

3 — ActiveAlarmEntry

Table 3-1 ActiveAlarmEntry parameters

Parameters	
alarmCategory	alarmObjectId
alarmCondition	alarmObjectIdType
alarmData	alarmServiceAffecting
alarmDesc	alarmSlotProgType
alarmEntityType	alarmTime
alarmId	alarmType

Table 3-2 alarmCategory

Name	Value
Description	The active alarm's category.
Type	TrapCategory

Table 3-3 alarmCondition

Name	Value
Description	The condition.
Type	TrapCondition

Table 3-4 alarmData

Name	Value
Description	Any application specific data relevant to the active alarm. This could be the value of a changed attribute or any other formatted information related to a notification.
Type	String

Table 3-5 alarmDesc

Name	Value
Description	A detailed description of the active alarm.
Type	String

Table 3-6 alarmEntityType

Name	Value
Description	The entity type.
Type	TrapEntityType

Table 3-7 alarmId

Name	Value
Default	0
Description	The independently incre mented number associated with the sequential ordering of active alarms.
Type	Integer

Table 3-8 alarmObjectId

Name	Value
Description	The physical interface or service associated with the active alarm.
Type	Integer

Table 3-9 alarmObjectIdType

Name	Value
Description	The type of Object ID associated with the active alarm.
Type	Integer

Table 3-10 alarmServiceAffecting

Name	Value
Description	An indication as to whether or not this active alarm is service affecting
Type	Integer

Table 3-11 alarmSlotProgType

Name	Value
Description	Type of card provisioned in the given slot. If tnActiveAlarmObjectID does not include a slot, a value of 0.0 will be returned.
Type	String

Table 3-12 alarmTime

Name	Value
Description	The time at which the active alarm occurred, measured in total time ticks (seconds) from the year 1970.
Type	Long integer

Table 3-13 alarmType

Name	Value
Default	0
Description	The OID of the notification.
Type	String

4 — AmplifierPortSpecifics

Table 4-1 AmplifierPortSpecifics parameters

Parameters	
ampPortAprDisable	ampPortPowerIn
ampPortAprHoldOffTime	ampPortPowerOut
ampPortLosMode	ampPortSignalDegradeThreshold
ampPortMaxFlatGainOffset	ampPortSignalFailThreshold
ampPortPowerDeltaMax	ampPortSRSTiltACoeffDCM
ampPortPowerGain	ampPortTargetTilt
ampPortPowerGainBackoff	ampPortVoaSet
ampPortPowerGainMax	oscSfpPortMtu
ampPortPowerGainMin	

Table 4-2 ampPortAprDisable

Name	Value
Description	The Auto Power Recovery Disable.
Displayed name	APR Disabled
Type	Boolean

Table 4-3 ampPortAprHoldOffTime

Name	Value
Description	The auto power recovery hold off time.
Displayed name	APR Delay Enabled
Type	PortAprHoldOffTime

Table 4-4 ampPortLosMode

Name	Value
Description	The Amplifier Port LOS Mode.
Displayed name	LOS Mode
Type	PortLosMode

Table 4-5 ampPortMaxFlatGainOffset

Name	Value
Decimals	2
Default	-99.0
Description	Provides a correction to the assumed max flat gain value.
Displayed name	Maximum Flat Gain Offset
Maximum	5
Minimum	-5
Type	IP address
Units	dB

Table 4-6 ampPortPowerDeltaMax

Name	Value
Decimals	2
Default	-99.0
Description	EPT - delta max.
Displayed name	Allowed Gain Delta
Maximum	5
Minimum	0

(1 of 2)

Name	Value
Type	IP address
Units	dB

(2 of 2)

Table 4-7 ampPortPowerGain

Name	Value
Decimals	2
Default	-99.0
Description	Applies to the signal port of the amplifier card.
Displayed name	Power Gain
Maximum	23
Minimum	6
Type	IP address
Units	dB

Table 4-8 ampPortPowerGainBackoff

Name	Value
Decimals	2
Default	-99.0
Description	The adjustment made to min/max gain by power management when commissioning.
Displayed name	Splice Margin
Maximum	10
Minimum	0
Type	IP address
Units	dB

Table 4-9 ampPortPowerGainMax

Name	Value
Decimals	2
Default	-99.0
Description	Applies to the signal port of the amplifier card.
Displayed name	Max Power Gain

(1 of 2)

Name	Value
Maximum	33
Minimum	6
Type	IP address
Units	dB

(2 of 2)

Table 4-10 ampPortPowerGainMin

Name	Value
Decimals	2
Default	-99.0
Description	Applies to the signal port of the amplifier card.
Displayed name	Min Power Gain
Maximum	33
Minimum	6
Type	IP address
Units	dB

Table 4-11 ampPortPowerIn

Name	Value
Default	-99.0
Description	The total input power. Applies to fromDcm and line ports of the amplifier card:
Type	IP address
Units	dBm

Table 4-12 ampPortPowerOut

Name	Value
Default	-99.0
Description	The total output power. Applies to the signal and toDcm ports of the amplifier card
Type	IP address
Units	dBm

Table 4-13 ampPortSignalDegradeThreshold

Name	Value
Description	Integer range 5 to 9, representing 10**5 to 10**9.
Displayed name	Signal Degrade Threshold
Type	PortSignalDegradeThreshold

Table 4-14 ampPortSignalFailThreshold

Name	Value
Description	Integer range 4 to 5, representing 10**4 to 10**5.
Displayed name	Signal Failure Threshold
Type	PortSignalFailThreshold

Table 4-15 ampPortSRSTiltACoeffDCM

Name	Value
Default	0
Description	Modeling coefficient for the SRSTilt .
Displayed name	Tilt Calculation Coefficient for DCM
Maximum	10000
Minimum	0
Type	Integer

Table 4-16 ampPortTargetTilt

Name	Value
Decimals	2
Default	-99.0
Description	EPT - Tilt.
Displayed name	Target Tilt
Maximum	0
Minimum	-3
Type	IP address
Units	dB

Table 4-17 ampPortVoaSet

Name	Value
Decimals	2
Default	-99.0
Description	LINEOUT port of the uni-directionalamplifier Card.
Displayed name	Output Voa Setting
Maximum	18
Minimum	0
Type	IP address
Units	dB

Table 4-18 oscSfpPortMtu

Name	Value
Default	1491
Description	The MTU size for OSC interface, which to allow remote monitoring of RAMAN/EDFA devices as well remote monitoring of RAMAN/EDFA devices as well as to limit overall packet fragmentation in the network
Displayed name	OSC MTU Size
Maximum	1500
Minimum	576
Type	Integer

5 — ApsGroup

Table 5-1 ApsGroup parameters

Parameters	
cardSubType	protectionChannel
description	protectionMode
direction	revertMode
extraTraffic	siteId
groupId	waitToRestore
members	workingChannel

Table 5-2 cardSubType

Name	Value
Default	unspecified
Description	Provisioned Card Type - Duplicated from CardSlot object.
Displayed name	Select Card (General)
Type	CardSubType

Table 5-3 description

Name	Value
Default	-
Description	Corresponds to tnApsGroupDescr of the MIB.

(1 of 2)

Name	Value
Displayed name	Description (General)
Maximum	50
Minimum	0
Type	String

(2 of 2)

Table 5-4 direction

Name	Value
Default	unidirectional
Description	Corresponds to tnApsGroupDirection in the MIB.
Displayed name	Direction (General)
Type	ApsDirection

Table 5-5 extraTraffic

Name	Value
Default	disabled
Description	Corresponds to tnApsGroupExtraTraffic in the MIB.
Type	DisabledEnabled

Table 5-6 groupId

Name	Value
Default	0
Description	Corresponds to tnApsGroupId of the MIB.
Displayed name	APS Group ID (General)
Mandatory on creation	Yes
Minimum	1
Type	Long integer

Table 5-7 members

Name	Value
Description	This attribute must be set with the following format: For the 1696R and 1830 PSS-32 single line ported cards: protChIfIndex:workChIfIndex For the 1830 PSS-1 GBE and MD4H, and 1830 PSS-32 4DAP4A (i.e., all dual-line ported cards): protLineIfIndex:workLineIfIndex:clientIfIndex The ifIndices must be in decimal ASCII and delimited by a colon.
Type	String

Table 5-8 protectionChannel

Name	Value
Description	This Value is deduced from members value.
Displayed name	Protection VTS (General)
Maximum	10
Minimum	1
Type	Integer

Table 5-9 protectionMode

Name	Value
Default	onePlusOne
Description	Indicates the type of the protection.
Displayed name	Protection Mode (General)
Type	ApsMode

Table 5-10 revertMode

Name	Value
Default	Nonrevertive
Description	Indicates whether revertive or non-revertive APS Group.
Displayed name	Type (General)
Type	ApsRevertMode

Table 5-11 siteId

Name	Value
Displayed name	Site ID (General)
Type	String

Table 5-12 waitToRestore

Name	Value
Default	5
Description	Corresponds to tnApsGroupWaitToRestore in the MIB.
Displayed name	Wait To Restore (General)
Maximum	20
Minimum	1
Type	Integer
Units	minutes

Table 5-13 workingChannel

Name	Value
Description	This Value is deduced from members value.
Displayed name	Working VTS (General)
Maximum	10
Minimum	1
Type	Integer

6 — ApsGroupBinding

Table 6-1 apsBindId

Name	Value
Default	0
Mandatory on creation	Yes
Minimum	1
Type	Integer

7 — ApsMember

Table 7-1 ApsMember parameters

Parameters	
groupId ifIndex	memberSwitch siteId

Table 7-2 groupId

Name	Value
Default	0
Description	APS Group ID.
Mandatory on creation	Yes
Type	Long integer

Table 7-3 ifIndex

Name	Value
Default	0
Description	SnmpPortId(Interface Index) of the port.
Mandatory on creation	Yes
Type	Long integer

Table 7-4 memberSwitch

Name	Value
Description	The type of protection switch.
Displayed name	Protection Switch (General)
Type	ApsMemberSwitch

Table 7-5 siteId

Name	Value
Type	String

8 — Constraint

Table 8-1 Constraint parameters

Parameters	
constraintElement constraintId	constraintType

Table 8-2 constraintElement

Name	Value
Default	port
Displayed name	Excluded Element (General)
Type	ConstraintElementType

Table 8-3 constraintId

Name	Value
Default	0
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 8-4 constraintType

Name	Value
Default	exclusion
Displayed name	Constraint Type
Type	ConstraintType

9 — ControlNetworkSpecifics

Table 9-1 ControlNetworkSpecifics parameters

Parameters	
cnDhcpGateway	cnOspfRoutingState
cnDhcpRange	cnProxyArp
cnDhcpServer	cnRtrDeadInterval
cnHelloInterval	cnRtrPriority
cnIpAddr	cnSubnetMask
cnIDesc	cnTeMetric
cnLinkDuplex	ipv4AddrType
cnLinkSpeed	ospfTopologyId
cnOscMode	redistribute

Table 9-2 cnDhcpGateway

Name	Value
Description	Indicates if default gateway IP address is distributed via DHCP on this interface.
Displayed name	Distribute Default Gateway via DHCP
Type	Boolean

Table 9-3 cnDhcpRange

Name	Value
Description	DHCP range. Current configurable range: 0 to 10
Displayed name	DHCP IP Range
Maximum	10
Minimum	1
Type	Integer

Table 9-4 cnDhcpServer

Name	Value
Description	DHCP server configured.
Displayed name	DHCP Server Enabled
Type	Boolean

Table 9-5 cnHelloInterval

Name	Value
Description	The hello interval of the link.
Displayed name	Hello Interval
Maximum	65535
Minimum	1
Type	Long integer
Units	seconds

Table 9-6 cnIpAddr

Name	Value
Default	0.0.0.0
Description	tnCNLinkIpAddress.
Displayed name	IP Address
Type	IP address

Table 9-7 cnlDesc

Name	Value
Description	tnControlNetworkLinkEntry
Type	String

Table 9-8 cnLinkDuplex

Name	Value
Default	auto
Description	tnCNLinkDuplex.
Displayed name	Provisioned Duplex Mode
Type	Duplex

Table 9-9 cnLinkSpeed

Name	Value
Default	auto
Description	tnCNLinkSpeed.
Displayed name	Provisioned Link Speed
Type	LinkSpeed

Table 9-10 cnOscMode

Name	Value
Description	OSC mode.
Displayed name	OSC Mode
Type	OscMode

Table 9-11 cnOspfRoutingState

Name	Value
Default	disable
Description	tnCNLinkOspfRoutingState.
Displayed name	OSPF Routing State
Type	RoutingState

Table 9-12 cnProxyArp

Name	Value
Description	Proxy Arp configured.
Displayed name	Proxy ARP
Type	Boolean

Table 9-13 cnRtrDeadInterval

Name	Value
Description	The router dead interval of the link. For 1830, the range is (1..'FFFF'h). This value must be greater than or equal to hello interval value.
Displayed name	Dead Interval
Maximum	65535
Minimum	1
Type	Long integer
Units	seconds

Table 9-14 cnRtrPriority

Name	Value
Description	The router priority of the link.
Displayed name	Router Priority
Maximum	255
Minimum	0
Type	Long integer

Table 9-15 cnSubnetMask

Name	Value
Default	0.0.0.0
Description	tnCNLinkSubnetMask
Displayed name	Subnet Mask
Type	IP address

Table 9-16 cnTeMetric

Name	Value
Description	The Traffic eng metric of the link.
Displayed name	Cost Metric
Maximum	65535
Minimum	1
Type	Long integer
Units	seconds

Table 9-17 ipv4AddrType

Name	Value
Default	ipv4
Description	used to define the ip addr type field
Type	InetAddressType

Table 9-18 ospfTopologyId

Name	Value
Description	tnOspfPortTopologyId.
Type	Integer

Table 9-19 redistribute

Name	Value
Default	disable
Description	tnCNLinkOspfRoutingState.
Displayed name	Redistribute
Type	RedistributeEnabled

10 — CrossConnect

Table 10-1 CrossConnect parameters

Parameters	
biDirectional siteId	xcId xcName

Table 10-2 biDirectional

Name	Value
Description	Direction of the port.
Displayed name	Bi Directional
Type	Boolean

Table 10-3 siteId

Name	Value
Default	0.0.0.0
Description	site id used for DB Filters.
Displayed name	Site ID
Maximum	50
Type	String

Table 10-4 xcId

Name	Value
Default	0
Description	this is sam generated xc id used for FDN
Displayed name	ID
Mandatory on creation	Yes
Minimum	1
Type	Long integer

Table 10-5 xcName

Name	Value
Default	-
Description	can be deployed on NE for och cross connect. For OCH XC the max length is 80, so we keep this for OT XCs too . This is the OCHTrail name for OCH XCs.
Displayed name	Name
Maximum	80
Minimum	0
Type	String

11 — DiverseService

Table 11-1 isCreateDiverseFromExisting

Name	Value
Default	False
Description	Set to 'true', while creating a diverse routed service, using two existing unprotected services.
Displayed name	Use Existing Unprotected Services
templatable	No
Type	Boolean

12 — EthernetSpecifics

Table 12-1 EthernetSpecifics parameters

Parameters	
sVLANTagProtocolTPId	untaggedPriorityCeVlanId

Table 12-2 sVLANTagProtocolTPId

Name	Value
Default	qinqtpid1
Description	The QinQ mode TPID for 11DPE12E port.
Displayed name	SVLAN Tag Protocol ID
Type	QinQTPId

Table 12-3 untaggedPriorityCeVlanId

Name	Value
Description	Untagged/PriorityCE-VLAN ID:tn11dpe12ePortConfigEntry.tn11dpe12ePortQinQModePVID - The PVID for 11DPE12E port.
Displayed name	Untagged/PriorityCE-VLAN ID
Type	Long integer

13 — FilterPortSpecifics

Table 13-1 FilterPortSpecifics parameters

Parameters	
omdPortLosOutThreshold omdPortLosOutThresholdTolerance	omdPortLosThreshold omdPortLosThresholdTolerance

Table 13-2 omdPortLosOutThreshold

Name	Value
Decimals	2
Default	-99.0
Description	applies to the SIG_OUT of the OMD port of the SFD5 and SFD8 cards.
Displayed name	Output LOS Threshold
Maximum	20
Minimum	-32
Type	IP address
Units	dBm

Table 13-3 omdPortLosOutThresholdTolerance

Name	Value
Decimals	2
Default	-99.0
Description	This is the difference above the LOS set and clear points and applies to the SIG_out of the OMD port of the SFD5 and SFD8 cards.
Displayed name	Output LOS Threshold Tolerance
Maximum	6
Minimum	0
Type	IP address
Units	dB

Table 13-4 omdPortLosThreshold

Name	Value
Decimals	2
Default	-99.0
Description	tnOmdPortLosThreshold.
Displayed name	Input LOS Threshold
Maximum	20
Minimum	-32
Type	IP address
Units	dBm

Table 13-5 omdPortLosThresholdTolerance

Name	Value
Decimals	2
Default	-99.0
Description	This is the difference above the LOS set and clear points and applies to the SIG_IN of the OMD port of the SFC1, SFC2, SFC4, SFC8, SFD5, and SFD8 cards.
Displayed name	Input LOS Threshold Tolerance
Maximum	6
Minimum	0
Type	IP address
Units	dB

14 — GccSpecifics

Table 14-1 GccSpecifics parameters

Parameters	
gccChannelType gccMtuSize	gccPacketType gccPortStatus

Table 14-2 gccChannelType

Name	Value
Description	The GCC channel type provision.
Displayed name	GCC Type
Type	GccChannelType

Table 14-3 gccMtuSize

Name	Value
Default	1473
Description	The MTU size for GCC0 interface. The intent is to allow for interworking/standardization across multiple products. The default for the 11QPA4 is 1500, while it's 1473 for all other supported packs. The MTU size is allowed to be changed only when the provisioned packet type is set to std. If the packet type is changed from std to nonStd then the MTU size will automatically be changed by the software back to the pack's default value.
Displayed name	GCC MTU Size

(1 of 2)

Name	Value
Maximum	1500
Minimum	576
Type	Integer

(2 of 2)

Table 14-4 gccPacketType

Name	Value
Default	NonStd
Description	The GCC standard type. For the 11QPA4 pack, the default value is std and it cannot be changed. For all other supported packs, the default value is nonStd.
Displayed name	GCC Packet Type
Type	GccPacketType

Table 14-5 gccPortStatus

Name	Value
Description	The GCC status.
Displayed name	GCC Channel Status
Type	DisabledEnabled

15 — GigeSpecifics

Table 15-1 GigeSpecifics parameters

Parameters	
gpPortAutoNegotiation gpPortErroredFrameDrop	gpPortPacketFcMode gpPortPacketIfType

Table 15-2 gpPortAutoNegotiation

Name	Value
Description	The auto negotiation status.
Displayed name	Auto Negotiation
Type	DisabledEnabled

Table 15-3 gpPortErroredFrameDrop

Name	Value
Description	The errored frame drop status.
Displayed name	Errored Frame Drop Mode
Type	DisabledEnabled

Table 15-4 gpPortPacketFcMode

Name	Value
Description	The fiber channel mode.
Displayed name	FC Mode
Type	FcMode

Table 15-5 gpPortPacketIfType

Name	Value
Description	The packet interface type.
Displayed name	Encapsulation Mode
Type	IfType

16 — Hop

Table 16-1 Hop parameters

Parameters	
channel	portType
description	rate
direction	showInGUI
hopId	siteId
hopOrder	siteName

Table 16-2 channel

Name	Value
Description	Used for Display in the service screen in SAM GUI.
Displayed name	Channel (General)
Type	ITUChannel

Table 16-3 description

Name	Value
Description	Used for Display in the service screen in SAM GUI.
Displayed name	Port Description (General)
Type	String

Table 16-4 direction

Name	Value
Default	No default
Description	Tells whether this port is an Ingress (In) or Egress (Out) port of the given card. The direction of each hop is calculated based on traversing the parent trail from endpoint A to endpoint Z.
Type	Direction

Table 16-5 hopId

Name	Value
Default	0
Description	unique id in SAM Database.
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 16-6 hopOrder

Name	Value
Default	0
Description	The position of the hop within the parent trail. The position of each hop is calculated based on traversing the parent trail from endpoint A to endpoint Z.
Displayed name	Hop Order (General)
Minimum	1
Type	Integer

Table 16-7 portType

Name	Value
Default	unknown
Description	mirrors optical port type from the optical port specifics
Type	OpticalPortType

Table 16-8 rate

Name	Value
Description	Used for Display in the service screen in SAM GUI.
Displayed name	Rate (General)
Type	AssignedRate

Table 16-9 showInGUI

Name	Value
Default	False
Description	-
Export	No
Type	Boolean

Table 16-10 siteId

Name	Value
Default	0.0.0.0
Description	site id used for DB Filters.
Displayed name	Site ID (General)
Maximum	50
Type	String

Table 16-11 siteName

Name	Value
Default	-
Displayed name	Site Name (General)
Type	String

17 — LineReference

Table 17-1 LineReference parameters

Parameters	
adminStatus assignedPort lockoutStatus	priority syncELineRefIndex

Table 17-2 adminStatus

Name	Value
Description	The administrative state of the line reference.
Displayed name	Admin Status (General)
Type	VtsConnAdminAndOperState

Table 17-3 assignedPort

Name	Value
Description	The assigned port for the line reference
Displayed name	Assigned Port (General)
Type	SyncPort

Table 17-4 lockoutStatus

Name	Value
Description	If lock out line reference or not
Displayed name	Lockout Status (General)
Type	EnableDisable

Table 17-5 priority

Name	Value
Description	Line reference priority.
Displayed name	Priority (General)
Type	SyncPriority

Table 17-6 syncELineRefIndex

Name	Value
Description	The ifIndex of the line reference table.
Type	Long integer

18 — OchCrossConnect

Table 18-1 OchCrossConnect parameters

Parameters	
acceptPowers	srcIfIndex
administrativeState	waveKey1AZ
destChannel	waveKey1ZA
destIfIndex	waveKey2AZ
forceDelete	waveKey2ZA
protectionState	wavekeySelect
showInGUI	xcRowStatus
srcChannel	

Table 18-2 acceptPowers

Name	Value
Description	Synchronize the expected powers to the observed values.
Displayed name	AcceptPowers (CrossConnects)
Type	AcceptPowers

Table 18-3 administrativeState

Name	Value
Description	The administrative state of the connection.
Displayed name	Administrative State (CrossConnects)
Type	XcState

Table 18-4 destChannel

Name	Value
Description	The channel of the connection destination.
Type	ITUChannel

Table 18-5 destIfIndex

Name	Value
Description	The ifIndex of the connection destination.
Type	Long integer

Table 18-6 forceDelete

Name	Value
Description	When read, this attribute always returns a value of false.
Type	Boolean

Table 18-7 protectionState

Name	Value
Description	The protection state of the connection.
Displayed name	Protection State (CrossConnects)
Type	ProtectionState

Table 18-8 showInGUI

Name	Value
Default	False
Description	-
document	No
Export	No
Type	Boolean

Table 18-9 srcChannel

Name	Value
Description	The channel of the connection source.
Displayed name	ITU Channel (CrossConnects)
Type	ITUChannel

Table 18-10 srcIfIndex

Name	Value
Description	The ifIndex of the connection source.
Type	Long integer

Table 18-11 waveKey1AZ

Name	Value
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the forward direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1AZ and tnOchXcItuEncodedWaveKey2AZ have been set and their values have been set to 0, or tnOchXcItuEncodedWaveKey1ZA and tnOchXcItuEncodedWaveKey2ZA have been set and their values have been set to 0, a rekey will be performed in the AZ or ZA directions. Current configurable range: 0 to 4096.
Displayed name	Wavekey1 AZ (CrossConnects)
Maximum	4096
Minimum	0
Type	Integer

Table 18-12 waveKey1ZA

Name	Value
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the reverse direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1AZ and tnOchXcItuEncodedWaveKey2AZ have been set and their values have been set to 0, or tnOchXcItuEncodedWaveKey1ZA and tnOchXcItuEncodedWaveKey2ZA have been set and their values have been set to 0, a rekey will be performed in the AZ or ZA directions. Current configurable range: 0 to 4096.
Displayed name	Wavekey1 ZA (CrossConnects)
Maximum	4096
Minimum	0
Type	Integer

Table 18-13 waveKey2AZ

Name	Value
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the forward direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1AZ and tnOchXcItuEncodedWaveKey2AZ have been set and their values have been set to 0, or tnOchXcItuEncodedWaveKey1ZA and tnOchXcItuEncodedWaveKey2ZA have been set and their values have been set to 0, a rekey will be performed in the AZ or ZA directions. Current configurable range: 0 to 4096.
Displayed name	Wavekey2 AZ (CrossConnects)
Maximum	4096
Minimum	0
Type	Integer

Table 18-14 waveKey2ZA

Name	Value
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected in the reverse direction. If, without setting any other attributes and tnOchXcItuWaveKeyAutoSelect is true, tnOchXcItuEncodedWaveKey1AZ and tnOchXcItuEncodedWaveKey2AZ have been set and their values have been set to 0, or tnOchXcItuEncodedWaveKey1ZA and tnOchXcItuEncodedWaveKey2ZA have been set and their values have been set to 0, a rekey will be performed in the AZ or ZA directions. Current configurable range: 0 to 4096.
Displayed name	Wavekey2 ZA (CrossConnects)
Maximum	4096

(1 of 2)

Name	Value
Minimum	0
Type	Integer

(2 of 2)

Table 18-15 wavekeySelect

Name	Value
Description	Indicates how the OCH XC's Wave Keys are selected and distributed to other nodes.
Displayed name	Wavekey Assign Mode (CrossConnects)
Type	WavekeySelect

Table 18-16 xcRowStatus

Name	Value
Description	Set opticsIMETSCrossConnectRowStatus to destroy - to delete the crossconnect active - to activate the crossconnect notInService - to deactivate the crossconnect CreateAndGo - at the time of creation of crossconnect
Type	RowStatus

19 — OchCrossConnectBinding

Table 19-1 OchCrossConnectBinding parameters

Parameters	
ochTrailId	xcBindId

Table 19-2 ochTrailId

Name	Value
Default	0
Description	trailId of OCHTrail.
Type	Integer

Table 19-3 xcBindId

Name	Value
Default	0
Description	unique id to identify the object.
Mandatory on creation	Yes
Minimum	1
Type	Long integer

20 — OCHTrail

Table 20-1 OCHTrail parameters

Parameters	
channel waveKey1AZ waveKey1ZA	waveKey2AZ waveKey2ZA wavekeyAssignMode

Table 20-2 channel

Name	Value
Default	unAssigned
Description	ITU Channel number .
Displayed name	Channel (General)
Mandatory on creation	Yes
Type	ITUChannel

Table 20-3 waveKey1AZ

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Displayed name	Wavekey 1 A->Z (General)
Mandatory on creation	Yes

(1 of 2)

Name	Value
Maximum	4096
Minimum	0
Type	Integer

(2 of 2)

Table 20-4 waveKey1ZA

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Displayed name	Wavekey 1 Z->A (General)
Mandatory on creation	Yes
Maximum	4096
Minimum	0
Type	Integer

Table 20-5 waveKey2AZ

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Displayed name	Wavekey 2 A->Z (General)
Mandatory on creation	Yes
Maximum	4096
Minimum	0
Type	Integer

Table 20-6 waveKey2ZA

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Displayed name	Wavekey 2 Z->A (General)
Mandatory on creation	Yes
Maximum	4096
Minimum	0
Type	Integer

Table 20-7 wavekeyAssignMode

Name	Value
Default	auto
Description	Wavekey generation mode.
Displayed name	Wavekey Assign Mode (General)
Mandatory on creation	Yes
Type	WavekeySelect

21 — OCStmSpecifics

Table 21-1 OCStmSpecifics parameters

Parameters	
msmonExcThLevel	rsmonIngrExTti
msmonMappingMode	rsmonIngrTimConsAction
msmonPortDegThLevel	rsmonIngrTimDet
rsmonEgrSigMode	rsmonIngrTimod
rsmonEgrTimod	rsmonIngrTxTti

Table 21-2 msmonExcThLevel

Name	Value
Description	BER Threshold for excessive BER defect (SFTH).
Displayed name	Signal Failure Threshold
Type	MsmonSFTH

Table 21-3 msmonMappingMode

Name	Value
Description	MSMON mapping mode.
Displayed name	Mapping Mode
Type	MappingMode

Table 21-4 msmonPortDegThLevel

Name	Value
Description	BER Threshold for SD defect (SDTH).
Displayed name	Signal Degrade Threshold
Type	MsmonSDTH

Table 21-5 rsmonEgrSigMode

Name	Value
Description	RSMON signal mode.
Displayed name	Signal Mode
Type	RsMonSigMode

Table 21-6 rsmonEgrTimod

Name	Value
Default	specific16Byte
Description	RSMON TIMOD.
Displayed name	J0 Format
Type	RsMonTimod

Table 21-7 rsmonIngrExTti

Name	Value
Default	-
Description	RSMON expected TTI.
Displayed name	Expected J0
Maximum	15
Minimum	0
Type	String

Table 21-8 rsmonIngrTimConsAction

Name	Value
Description	RSMON TIM consequence action.
Displayed name	J0 Trace Mismatch Response
Type	DisabledEnabled

Table 21-9 rsmonIngrTimDet

Name	Value
Description	RSMON TIM detection.
Displayed name	J0 Trace Comparison
Type	Boolean

Table 21-10 rsmonIngrTimod

Name	Value
Default	specific16Byte
Description	RSMON TIMOD.
Displayed name	J0 Format
Type	RsMonTimod

Table 21-11 rsmonIngrTxTti

Name	Value
Description	RSMON transmitted TTI.
Displayed name	Transmitted J0
Maximum	15
Minimum	0
Type	String

22 — OpsaPortSpecifics

Table 22-1 OpsaPortSpecifics parameters

Parameters	
opsaSwitchingThreshCalcControl opsaSwitchingThreshold	opsaSwitchingThreshTolerance opsaTxAttenuation

Table 22-2 opsaSwitchingThreshCalcControl

Name	Value
Description	Indicates if the OPSA switch threshold is calculated by the NE (auto) or set by the user (manual) - applies to ports 2 and 3 (A and B) of the OPSA card.
Displayed name	Switching Threshold Calculation Mode
Type	ThresholdCalcControl

Table 22-3 opsaSwitchingThreshold

Name	Value
Decimals	2
Default	-99.0
Description	If the power drops below this threshold, a protection switch will be executed. This is accessible from ports 2 and 3 (working or protected) exclusively.
Displayed name	Switching Threshold

(1 of 2)

Name	Value
Maximum	5
Minimum	-30
Type	IP address
Units	dBm

(2 of 2)

Table 22-4 opsaSwitchingThreshTolerance

Name	Value
Decimals	2
Default	-99.0
Description	The tolerance applied to the port switching threshold. This is accessible from ports 2 and 3 (working or protected) exclusively.
Displayed name	Switching Threshold Tolerance
Maximum	5
Minimum	0
Type	IP address
Units	dB

Table 22-5 opsaTxAttenuation

Name	Value
Decimals	2
Default	-99.0
Description	The attenuation of the attenuator - applies to ports 2 and 3 (A and B) of the OPSA card. -1 means that max attenuation is applied.
Displayed name	VOA Attenuation
Maximum	20
Minimum	-1
Type	IP address
Units	dB

23 — OpticalCardSpecifics

Table 23-1 OpticalCardSpecifics parameters

Parameters	
assignedCardSubType	dpge12QINQModeTPID
audibleAlarmCutoff	equippedCardSubType
cardDesc	fanSpeed
cardHighTemperatureThresh	ingressAdjustPowerGain
cardLowTemperatureThresh	isEngressCard
cardName	isIngressCard
cardTemperatureTolerance	sfcCardFiberMode
dcmCardProvDistance	switchRequest
dcmCardProvFiberType	switchToTimingReference
dpa4CardFunctionMode	syncStatusMessaging
dpe12eCardRateMode	waitToRestore
dpe12eQINQModeTPID1	wssCardAddPathEgressPower
dpe12eQINQModeTPID2	wssCardAddPathTargetPower
dpe12eQINQModeTPID3	wssCardAddPathTotalChannel
dpe12eQINQModeTPID4	wssCardReservedDegree
dpge12CardRateMode	

Table 23-2 assignedCardSubType

Name	Value
Default	unspecified
Description	Type of card provisioned in the given Slot.

(1 of 2)

Name	Value
multi	No
Type	CardSubType

(2 of 2)

Table 23-3 audibleAlarmCutoff

Name	Value
Description	The color of the alarm cut off LED. Applicable for UserInterfacelPanel card only.
Displayed name	Audible Alarm Cutoff (General)
Type	PerformCommand

Table 23-4 cardDesc

Name	Value
Default	-
Description	Card Description. Deployed On the NE.
Displayed name	Card Description (General)
Maximum	255
Type	String

Table 23-5 cardHighTemperatureThresh

Name	Value
Description	The high temperature threshold of the card. Current configurable range: 1830 PSS-32: -5 to 90 1830 PSS-1: -5 to 90
Displayed name	High Temperature Threshold (General)
Maximum	90
Minimum	-5
Type	Integer
Units	Celsius

Table 23-6 cardLowTemperatureThresh

Name	Value
Description	The low temperature threshold of the card. Current configurable range: 1830 PSS-32: -5 to 90 1830 PSS-1: -5 to 90
Displayed name	Low Temperature Threshold (General)
Maximum	90
Minimum	-5
Type	Integer
Units	Celsius

Table 23-7 cardName

Name	Value
Default	-
Description	Card Name. Deployed on the NE.
Displayed name	Card Name (General)
Maximum	31
Type	String

Table 23-8 cardTemperatureTolerance

Name	Value
Description	The temperature tolerance of the card, applied to the card's high and low temperature thresholds. Current configurable range: 0 to 10.
Displayed name	Temperature Tolerance (General)
Maximum	10
Minimum	0
Type	Integer
Units	Celsius

Table 23-9 dcmCardProvDistance

Name	Value
Description	The programmed compensation distance associated with this DCM card. Current configurable range 1696R: 15 to 100. Possible programmed values are 15, 40, 60, 80 and 100. A value of 0 indicates that the distance is not defined. Current configurable range 1830: 10 to 140. Possible programmed values are 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, and 140. A value of 0 indicates that the distance is not defined.
Displayed name	Provisioned Distance (General)
Maximum	140
Minimum	0
Step	10
Type	Integer
Units	km

Table 23-10 dcmCardProvFiberType

Name	Value
Description	The type of fiber that the DCM is provisioned to dispersion-compensate.
Displayed name	Provisioned Fiber Type (General)
Type	FiberType

Table 23-11 dpa4CardFunctionMode

Name	Value
Default	flexmux
Description	This attribute determines the card firmware image type, and therefore affects many aspects of card and port behavior. When this attribute is changed card will be cold reset to update the firmaware image.
Displayed name	Card Function Mode (General)
Type	CardFunctionMode

Table 23-12 dpe12eCardRateMode

Name	Value
Description	The card rate mode for 11DPGE12.
Displayed name	Card Rate Mode (General)
Type	CardRateMode

Table 23-13 dpe12eQINQModeTPID1

Name	Value
Description	The Q in Q Mode TPID1 for 11DPE12E. Current configurable range: 0x00 to 0xFFFF.
Displayed name	SVLAN Tag Protocol ID1 (General)
Type	String
Units	Hex: 0001-FFFF

Table 23-14 dpe12eQINQModeTPID2

Name	Value
Description	The Q in Q Mode TPID1 for 11DPE12E. Current configurable range: 0x00 to 0xFFFF.
Displayed name	SVLAN Tag Protocol ID2 (General)
Type	String
Units	Hex: 0001-FFFF

Table 23-15 dpe12eQINQModeTPID3

Name	Value
Description	The Q in Q Mode TPID1 for 11DPE12E. Current configurable range: 0x00 to 0xFFFF.
Displayed name	SVLAN Tag Protocol ID3 (General)
Type	String
Units	Hex: 0001-FFFF

Table 23-16 dpe12eQINQModeTPID4

Name	Value
Description	The Q in Q Mode TPID1 for 11DPE12E. Current configurable range: 0x00 to 0xFFFF.
Displayed name	SVLAN Tag Protocol ID4 (General)
Type	String
Units	Hex: 0001-FFFF

Table 23-17 dpge12CardRateMode

Name	Value
Description	The card rate mode for 11DPGE12.
Displayed name	Card Rate Mode (General)
Type	CardRateMode

Table 23-18 dpge12QINQModeTPID

Name	Value
Description	The Q in Q Mode TPID for 11DPGE12. Current configurable range: 0x00 to 0xFFFF.
Displayed name	Tag Protocol ID (General)
Type	String
Units	Hex: 0001-FFFF

Table 23-19 equippedCardSubType

Name	Value
Default	unspecified
Description	Type of card equipped in the given Slot.
multi	No
Type	CardSubType

Table 23-20 fanSpeed

Name	Value
Description	Fan Speed Control.
Displayed name	Fan Speed (General)
Type	FanSpeed

Table 23-21 ingressAdjustPowerGain

Name	Value
Description	tnPowerMgmtIngressAdjustPowerGain.
Displayed name	Ingress Adjust Power Gain (General)
Type	PerformCommand

Table 23-22 isEngressCard

Name	Value
Description	We use this property to indicate if the card is present in tnPowerMgmtEngessTable . If the card is present in the tnPowerMgmtEngressTable, then the card supports engress power adjustment.
Type	Boolean

Table 23-23 isIngressCard

Name	Value
Description	We use this property to indicate if the card is present in tnPowerMgmtIngessTable . If the card is present in the tnPowerMgmtIngressTable, then the card supports ingress power adjustment.
Type	Boolean

Table 23-24 sfcCardFiberMode

Name	Value
Description	Fiber mode for SFC Cards.
Displayed name	Fiber Mode (General)
Type	SfcCardFiberMode

Table 23-25 switchRequest

Name	Value
Description	[switchToTimingReference]The third byte represents the switch command. 1 means nocmd, 2 means clear, 3 means lockout, 4 means forceswitch, 5 means mannual. 6 means auto 7 means clearlockout \ [switchRequest]The last byte represents the line reference switch to. 0 means sync0, 1 means lineref1, 2 means lineref2, 3 means lineref3, 4 means lineref4.
Displayed name	Switch Request (General)
Type	SwitchRequestTypes

Table 23-26 switchToTimingReference

Name	Value
Description	The third byte represents the switch command. 1 means nocmd, 2 means clear, 3 means lockout, 4 means forceswitch, 5 means mannual. 6 means auto 7 means clearlockout \ The last byte represents the line reference switch to. 0 means sync0, 1 means lineref1, 2 means lineref2, 3 means lineref3, 4 means lineref4.
Displayed name	Switch To Timing Reference (General)
Type	TimingReference

Table 23-27 syncStatusMessaging

Name	Value
Description	If it supports Sync-E messages
Displayed name	Sync Status Messaging (General)
Type	EnableDisable

Table 23-28 waitToRestore

Name	Value
Description	The system timing WTR.
Displayed name	Wait To Restore (General)
Maximum	12
Minimum	0
Type	Long integer
Units	minutes

Table 23-29 wssCardAddPathEgressPower

Name	Value
Decimals	2
Default	-99.0
Description	For CWR Card. The desired output power for add services as they come out the WDM port. Current configurable range: -3500 to 1100.
Displayed name	Add Path Output Power (General)
Maximum	11
Minimum	-35

(1 of 2)

Name	Value
Type	IP address
Units	dBm

(2 of 2)

Table 23-30 wssCardAddPathTargetPower

Name	Value
Decimals	2
Default	-99.0
Description	For CWR Card. The desired power at the output of the amplet inside the WSS. Current configurable range: -1000 to 1000.
Displayed name	Add Path Target Power (General)
Maximum	10
Minimum	-10
Type	IP address
Units	dBm

Table 23-31 wssCardAddPathTotalChannel

Name	Value
Description	For CWR Card. The maximum number of channels supported on the add path. Current configurable range: CWR8: 8 to 44. CWR8-88: 8 to 88.
Displayed name	Maximum Add Channel Count (General)
Maximum	88
Minimum	8
Type	Integer

Table 23-32 wssCardReservedDegree

Name	Value
Description	For CWR Card. The reserved degree. Current configurable range: 1 to 8.
Displayed name	Optical Interconnect Line Count (General)
Maximum	8
Minimum	1
Type	Integer

24 — OpticalLink

Table 24-1 OpticalLink parameters

Parameters	
displayedName linkDirection	notes opticalLinkId

Table 24-2 displayedName

Name	Value
Default	-
Description	Name provided by user. It is not mandatory on create. If nothing is given by the user, then sam provides the name. this is not deployed on the ne for 1830 pss.
Displayed name	Name (General)
Maximum	200
Minimum	0
Type	String

Table 24-3 linkDirection

Name	Value
Default	BiDirectional
Description	Direction of the link discovered

(1 of 2)

Name	Value
Displayed name	Direction (General)
Mandatory on creation	Yes
Type	OpticalLinkDirectionType

(2 of 2)

Table 24-4 notes

Name	Value
Description	Information about the optical Link
Displayed name	Notes (General)
Maximum	254
Minimum	0
Type	String

Table 24-5 opticalLinkId

Name	Value
Default	0
Displayed name	ID (General)
Maximum	2147483647
Minimum	1
Type	Long integer

25 — OpticalNeProperties

Table 25-1 OpticalNeProperties parameters

Parameters	
ainsTimer	featurePauseFlowControl
alarmReportingControl	ipv4AddrType
configuredIpAddress	neDescription
configuredSnmpSource	opticalNeId
configuredSubnetMask	temperatureInCelsius
contact	wavekeySpace
featureIpUtiltiesRestricted	

Table 25-2 ainsTimer

Name	Value
Description	This attribute must be set in multiples of 60s. Current configurable range: 1m to 96h 0m.
Displayed name	AINS Timer (General)
Maximum	345600
Minimum	60
Step	60
Type	Integer
Units	seconds

Table 25-3 alarmReportingControl

Name	Value
Default	indefiniteInhibition
Description	Alarm Reporting Control
Displayed name	Alarm Reporting Control (General)
Type	AlarmReportingControl

Table 25-4 configuredIpAddress

Name	Value
Description	Set this value to change the IP Address of the NE.
Type	IP address

Table 25-5 configuredSnmpSource

Name	Value
Description	false - SNMP requests can be made using any of the NEs interface IP addresses or Loopback IP address. The source IP address in SNMP trap/reply messages shall be the interface IP address on which the packet leaves the NE. Hence it is the SNMP clients responsibility to be able to associate an NE with multiple IP addresses. true - SNMP requests can be made using ONLY the NEs Loopback IP address. The source IP address in SNMP trap/reply messages shall be fixed as the Loopback IP. Extended Temperature Range for PSS-1 .
Displayed name	SNMP Source (General)
Type	SnmpSource

Table 25-6 configuredSubnetMask

Name	Value
Description	Set this value to change the Subnet Mask of the NE.
Type	IP address

Table 25-7 contact

Name	Value
Default	-
Description	sysContact

(1 of 2)

Name	Value
Displayed name	Contact (General)
Maximum	255
Minimum	0
Type	String

(2 of 2)

Table 25-8 featureIpUtiltiesRestricted

Name	Value
Default	False
Description	Feature IP Utilities restriected
Displayed name	Feature IP Utilities restricted (General)
Type	Boolean

Table 25-9 featurePauseFlowControl

Name	Value
Default	negotiated
Description	Feature Pause Flow Control
Displayed name	Feature Pause Flow Control (General)
Type	FeaturePauseFlowControl

Table 25-10 ipv4AddrType

Name	Value
Default	ipv4
Description	used to define the ip addr type field
Type	InetAddressType

Table 25-11 neDescription

Name	Value
Default	-
Description	tnSysDescr
Displayed name	Network Element Description (General)

(1 of 2)

Name	Value
Maximum	255
Minimum	0
Type	String

(2 of 2)

Table 25-12 opticalNeId

Name	Value
Default	0
Description	Editable Network Element Id. Is deployed on the NE. Not necessarily a unique value in the network.
Displayed name	Network Element ID (General)
Maximum	30
Minimum	0
Type	Integer

Table 25-13 temperatureInCelsius

Name	Value
Description	Temperature Units
Type	TempUnits

Table 25-14 wavekeySpace

Name	Value
Default	0
Description	Wave Key Space
Displayed name	Wavekey Space (General)
Maximum	255
Minimum	0
Type	Integer

26 — OpticalPortSpecifics

Table 26-1 OpticalPortSpecifics parameters

Parameters	
apAins	apIsDomainEdgePort
apAinsDebounceTime	apUsingSysAinsDebounceTime
apDesc	apWtocmConnLoss
apDirection	assignedRateForGui
apExtAmpIpAddrIn	ipv4AddrType
apExtAmpIpAddrOut	portXfpType

Table 26-2 apAins

Name	Value
Description	If the user has set Port AINS to true, the port admin state is set to up by the system. If the port admin state has been set up or down, Port AINS is set to false by the system, unless the user had specified admin up and Port AINS true. Disabling Port AINS against a client port of an OT card may result in disabling Port AINS against the line port of that OT card.
Displayed name	Port AINS
Type	Boolean

Table 26-3 apAinsDebounceTime

Name	Value
Description	This attribute must be set in multiples of 60s. It is equal to System AINS Debounce Time when Port AINS Use System Default is true. Setting the Port AINS Debounce Time and Port AINS Use System Default to true in the same set request is restricted. Current configurable range: 1m to 96h 0m. 0 is a valid value.
Displayed name	AINS Timer
Maximum	5
Minimum	3
Type	String
Units	HH:MM

Table 26-4 apDesc

Name	Value
Description	Port Description.
Displayed name	Specific Description
Maximum	255
Minimum	0
Type	String

Table 26-5 apDirection

Name	Value
Description	Port direction. Setting the direction to unidirectionalRx will turn off the Tx laser, and suppress Tx alarms (including out Wavelength Tracker alarms). Setting the direction to unidirectionalTx will suppress Rx alarms (including in Wavelength Tracker alarms)
Displayed name	Direction
Type	PortDirection

Table 26-6 apExtAmpIpAddrIn

Name	Value
Default	0.0.0.0
Description	The IP address of an external amplifier connected to this port. This attribute is applicable to the line port of an LD card and is reserved for use with a RAMAN module.
Type	IP address

Table 26-7 apExtAmpIpAddrOut

Name	Value
Default	0.0.0.0
Description	The IP address of an external amplifier connected from this port. This attribute is applicable to the line port of an LD card and is reserved for use with an EDFA module.
Type	IP address

Table 26-8 apIsDomainEdgePort

Name	Value
Description	For discriminating between ports that are internal to a network composed of 1830 and 1696 network elements and the ports that are at the edge of the network so that the user knows where it is correct to terminate end-to-end connections.
Type	Boolean

Table 26-9 apUsingSysAinsDebounceTime

Name	Value
Description	Using System AINS Debounce Time. Sets with a value of false are restricted. The network operator must set Port AINS Debounce Time to some valid value to disable the use of System AINS Debounce Time. Setting the Port AINS Debounce Time and Port AINS Use System Default to true in the same set request is restricted.
Displayed name	Use System Default AINS Timer
Type	Boolean

Table 26-10 apWtocmConnLoss

Name	Value
Default	-99.0
Description	The insertion loss between the LD card MON port and the WTOCM input port.
Displayed name	Monitored Port Connection Loss
Maximum	15.0
Minimum	0.0
Type	IP address
Units	dB

Table 26-11 assignedRateForGui

Name	Value
Default	unassigned
Description	Used for the GUI only.
Displayed name	Assigned Rate
Export	No
Type	AssignedRate

Table 26-12 ipv4AddrType

Name	Value
Default	ipv4
Description	used to define the ip addr type field
Type	InetAddressType

Table 26-13 portXfpType

Name	Value
Description	The programmed XFP or SFP type.
Displayed name	Pluggable Module Type
Type	XfpType

27 — OpticalShelfSpecifics

Table 27-1 OpticalShelfSpecifics parameters

Parameters	
inhibitAutoSwitching lampTest shelfActivitySwitch	statusLEDColor statusLEDState wtMode

Table 27-2 inhibitAutoSwitching

Name	Value
Description	Applicable to the 1830 PSS-32.
Displayed name	Inhibit Autoswitching (ShelfSpecifics)
Type	Boolean

Table 27-3 lampTest

Name	Value
Description	Perform a lamp test on the shelf.
Displayed name	Perform LED Test (ShelfSpecifics)
Type	PerformCommand

Table 27-4 shelfActivitySwitch

Name	Value
Default	NoCmd
Description	Perform an activity switch on this shelf. When read, this object returns noCmd.
Displayed name	Protection Switch (ShelfSpecifics)
Type	PerformCommand

Table 27-5 statusLEDColor

Name	Value
Description	The Color of the shelf status LED.
Type	LEDColorType

Table 27-6 statusLEDState

Name	Value
Description	The state of the shelf status LED.
Type	LEDStateType

Table 27-7 wtMode

Name	Value
Description	Wavelength Tracker Mode of the Shelf.
Displayed name	Wavelength Tracker Enabled (ShelfSpecifics)
Type	Boolean

28 — OpticsPMPolicy

Table 28-1 OpticsPMPolicy parameters

Parameters	
administrativeState description displayedName	fileRetentionTime id pollingInterval

Table 28-2 administrativeState

Name	Value
Default	down
Description	Allows to start/stop performance management stats collection
Type	AdminState

Table 28-3 description

Name	Value
Maximum	255
Minimum	0
Type	String

Table 28-4 displayedName

Name	Value
Default	-
Maximum	80
Minimum	0
Type	String

Table 28-5 fileRetentionTime

Name	Value
Default	1
Maximum	6
Minimum	1
Type	Integer
Units	days

Table 28-6 id

Name	Value
Mandatory on creation	Yes
Maximum	65535
Minimum	1
Type	Integer

Table 28-7 pollingInterval

Name	Value
Default	15minutes
Type	PmcGranularityPeriod
Units	min

29 — OTCrossConnect

Table 29-1 OTCrossConnect parameters

Parameters	
shelfId slotId	vtsLine vtsNumber

Table 29-2 shelfId

Name	Value
Default	0
Description	duplicated from cardslot opticalcardspecifics, as we need this for querying db
Type	Integer

Table 29-3 slotId

Name	Value
Default	0
Description	duplicated from cardslot opticalcardspecifics, as we need this for querying db
Type	Long integer

Table 29-4 vtsLine

Name	Value
Default	0
Description	vtsLine will be filled only for 11dpe12 card configured in subrate mode
Type	Integer

Table 29-5 vtsNumber

Name	Value
Default	0
Description	vtsNumber will be filled only for 11dpe12 card configured in subrate mode
Type	Integer

30 — OTPortSpecifics

Table 30-1 OTPortSpecifics parameters

Parameters	
cpContainer	lpBroadcastFrom
cpLosProp	lpCrossRegPartner
cpProtTs1	lpTransmissionMode
cpProtTs2	nwPortChannelRx
cpTs1	nwPortProgrammedChannel
cpTs2	terminalLoopback
cpTsMap	testSignalLoopback
facilityLoopback	

Table 30-2 cpContainer

Name	Value
Description	The LOS propagation of Client Port.
Displayed name	Container
Type	Container

Table 30-3 cpLosProp

Name	Value
Description	The LOS propagation of Client Port.
Displayed name	LOS Propagation
Type	LosPropagation

Table 30-4 cpProtTs1

Name	Value
Description	Protection time slot 1, ODU1 tributary (11STMM10), line port number (11DPGE12). Unassigned is represented by value 0. Current configurable range (11STMM10): 0, 1 to 4 Current configurable range (11DPGE12): 0, 1 to 2
Type	Integer

Table 30-5 cpProtTs2

Name	Value
Description	Protection time slot 2, STS1/STS3c (11STMM10). Unassigned is represented by value 0. Current configurable range (11STMM10): 0, 1, 4, 7, 10, ... 46 Current configurable range (11DPGE12): 0, 1 to 10
Type	Integer

Table 30-6 cpTs1

Name	Value
Description	Working time slot 1, ODU1 tributary (11STMM10), ODU2-like structure (11DPGE12). Unassigned is represented by value 0. Current configurable range (11STMM10): 0, 1 to 4 Current configurable range (11DPGE12): 0, 1 to 2 Though ts1 is applicable for 11dpge12 and 11stmm both, we show this directly on port props screen only for 11stmm10. For 11dpge12 , we show the workingTimeSlot field built using ts1 and ts1 values.
Type	Integer

Table 30-7 cpTs2

Name	Value
Description	Working time slot 2, STS1/STS3c (11STMM10). Unassigned is represented by value 0. Current configurable range (11STMM10): 0, 1, 4, 7, 10, ... 46 Current configurable range (11DPGE12): 0, 1 to 10 We use this file for 11dpge12 and 11stmm10, but show it only for 11stmm10, pls. refer to comments for 'ts1'.
Type	Integer

Table 30-8 cpTsMap

Name	Value
Default	-
Description	Client port time slot bit map. First 2 bytes are for line 2 and the next 2 bytes are for line 1.
Type	String

Table 30-9 facilityLoopback

Name	Value
Description	Facility Loopback.
Type	Boolean

Table 30-10 lpBroadcastFrom

Name	Value
Description	Broadcast From Port.
Type	Long integer

Table 30-11 lpCrossRegPartner

Name	Value
Description	Cross reg partner port of Line Port.
Displayed name	CrossRegen Partner Port
Type	CrossRegPartner

Table 30-12 lpTransmissionMode

Name	Value
Description	The transmission mode of Line Port.
Displayed name	Operational Mode
Type	TransmissionMode

Table 30-13 nwPortChannelRx

Name	Value
Description	The Rx ITU channel.
Displayed name	Receive Frequency
Type	ITUChannel

Table 30-14 nwPortProgrammedChannel

Name	Value
Description	The programmed ITU channel.
Displayed name	Transmit Frequency
Type	ITUChannel

Table 30-15 terminalLoopback

Name	Value
Description	Terminal Loopback.
Displayed name	Terminal Loopback
Type	Boolean

Table 30-16 testSignalLoopback

Name	Value
Description	Test Signal Loopback.
Displayed name	Test Signal Loopback
Type	Boolean

31 — OtuOduSpecifics

Table 31-1 OtuOduSpecifics parameters

Parameters	
odu0Interworking	oduTxTti
oduExTti	otuExTti
oduMappingMode	otuFecMode
oduOchSignalDefConsAction	otuRate
oduPayloadType	otuTimConsAction
oduPlmConsAction	otuTimDetMode
oduTimConsAction	otuTxTti
oduTimDetMode	regenResponse
oduTpMode	

Table 31-2 odu0Interworking

Name	Value
Description	ODU1 interworking.
Displayed name	ODU Interworking Enabled
Type	Boolean

Table 31-3 oduExTti

Name	Value
Default	-
Description	ODU expected TTI.
Displayed name	ODU Expected TTI
Maximum	15
Minimum	0
Type	String

Table 31-4 oduMappingMode

Name	Value
Description	ODU mapping mode.
Displayed name	ODU Mapping Mode
Type	MappingMode

Table 31-5 oduOchSignalDefConsAction

Name	Value
Description	ODU OCH signal def consequence action.
Type	OchConsequenceAction

Table 31-6 oduPayloadType

Name	Value
Description	ODU payload type.
Displayed name	ODU Payload Type
Maximum	255
Minimum	0
Type	Integer

Table 31-7 oduPlmConsAction

Name	Value
Description	PLM consequence action.
Displayed name	ODU Payload Type Mismatch Response
Type	Boolean

Table 31-8 oduTimConsAction

Name	Value
Description	ODU TIM consequence action.
Displayed name	ODU TTI Mismatch Response
Type	DisabledEnabled

Table 31-9 oduTimDetMode

Name	Value
Description	ODU TIM detection mode.
Displayed name	ODU TTI Comparison
Type	TimDetectionMode

Table 31-10 oduTpMode

Name	Value
Description	ODU TP mode.
Type	Boolean

Table 31-11 oduTxTti

Name	Value
Default	-
Description	ODU transmitted TTI.
Displayed name	ODU Transmitted TTI
Maximum	15
Minimum	0
Type	String

Table 31-12 otuExTti

Name	Value
Default	-
Description	OTU Expected TTI.
Displayed name	OTU Expected TTI
Maximum	15
Minimum	0
Type	String

Table 31-13 otuFecMode

Name	Value
Description	The OCH OTU FEC mode. Depending on the port rate this can be OTU1 FEC Mode/OTU2 FEC Mode/OTU3 FEC Mode/OTU4 FEC Mode.
Displayed name	FEC Mode
Type	FecMode

Table 31-14 otuRate

Name	Value
Description	OCH OTU Rate.
Displayed name	OTU Rate
Type	OtuRate
Units	Gbps

Table 31-15 otuTimConsAction

Name	Value
Description	OTU TIM consequence action.
Displayed name	OTU TTI Mismatch Response
Type	DisabledEnabled

Table 31-16 otuTimDetMode

Name	Value
Description	OTU TIM detection mode.
Displayed mode	OTU TTI Comparison
Type	TimDetectionMode

Table 31-17 otuTxTti

Name	Value
Default	-
Description	OTU Transmitted TTI.
Displayed name	OTU Transmitted TTI
Maximum	15
Minimum	0
Type	String

Table 31-18 regenResponse

Name	Value
Description	Regen Response.
Displayed name	Regen Response
Type	LosPropagation

32 — PowerAdjustmentRule

Table 32-1 PowerAdjustmentRule parameters

Parameters	
channel	powerConvergeRetries
direction	powerConvergeWaitTime
id	serviceId
initialTargetPower	serviceMode
powerConvergeDeviation	targetPortPowerConvergeDeviation

Table 32-2 channel

Name	Value
Description	The channel on which the transport service is riding.
Displayed name	Channel (General)
Mandatory on creation	Yes
Type	ITUChannel

Table 32-3 direction

Name	Value
Description	-
Displayed name	Direction (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	TraversalType

(2 of 2)

Table 32-4 id

Name	Value
Description	The id of the power adjustment rule.
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 32-5 initialTargetPower

Name	Value
Default	-10.0
Description	The initial target power to start with for adjusting the power on the SR DWDM port.
Displayed name	Initial Target Power (General)
Maximum	0
Minimum	-40
Type	IP address
Units	dB

Table 32-6 powerConvergeDeviation

Name	Value
Default	0.2
Description	The acceptable power difference between target and measured power after converge.
Displayed name	Power Converge Deviation (General)
Maximum	10
Minimum	0
Type	IP address
Units	dB

Table 32-7 powerConvergeRetries

Name	Value
Default	3
Description	The number of retries for measured power to converge with the target power being set.
Displayed name	Power Converge Retries (General)
Maximum	10
Minimum	0
Type	Integer

Table 32-8 powerConvergeWaitTime

Name	Value
Default	60
Description	The wait time in seconds for measured power to converge with the target power being set.
Displayed name	Power Converge Wait Time (General)
Maximum	100
Minimum	10
Type	Integer
Units	seconds

Table 32-9 serviceId

Name	Value
Default	0
Description	The id of the optical transport service to which this rule is associated to.
Mandatory on creation	Yes
Type	Long integer

Table 32-10 serviceMode

Name	Value
Description	The service mode - Unprotected, Working or Protection
Displayed name	Service Mode (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	TransportServiceMode

(2 of 2)

Table 32-11 targetPortPowerConvergeDeviation

Name	Value
Default	0.5
Description	The acceptable power difference between expected and measured power on the target port after converge.
Displayed name	Power Converge Deviation (General)
Maximum	10
Minimum	0
Type	IP address
Units	dB

33 — PowerSpecifics

Table 33-1 PowerSpecifics parameters

Parameters	
cwrPortDropTargetPower	rmnPortGMinExpected
powerMgmtIsCommissioned	rmnPortOperatingMode
powerMgmtTypeIn	rmnPortTiltTarget
powerMgmtTypeOut	wkPortChannelEgressPower
powerMgmtWtdUsageTypeIn	wkPortChannelIngressPower
rmnPortAgcTargetGain	wkPortChannelSupportedDirections
rmnPortFiberType	wkPortChPowerDeviationIn
rmnPortGMaxExpected	wkPortChPowerDeviationOut

Table 33-2 cwrPortDropTargetPower

Name	Value
Decimals	2
Default	-99.0
Description	The following description applies to the colorless port of the CWR8-88 card: The drop target power
Displayed name	Drop Path Target Power
Maximum	-4
Minimum	-26.5
Type	IP address
Units	dBm

Table 33-3 powerMgmtIsCommissioned

Name	Value
Description	Each external OSC card port whose power management mode setting is Automatic has a Power Management Commissioned Flag. When commissioning is completed these flags are set to complete by users.
Displayed name	Commissioning Completed
Type	Boolean

Table 33-4 powerMgmtTypeIn

Name	Value
Description	The type of power management ingress.
Displayed name	Power Management Type
Type	PowerMgmtType

Table 33-5 powerMgmtTypeOut

Name	Value
Description	The type of power management egress.
Type	PowerMgmtType

Table 33-6 powerMgmtWtdUsageTypeIn

Name	Value
Description	The type of WTD used ingress.
Type	WtdUsageType

Table 33-7 rmnPortAgcTargetGain

Name	Value
Decimals	2
Default	-99.0
Description	The AGC mode target gain.
Displayed name	Target Gain
Maximum	20
Minimum	2

(1 of 2)

Name	Value
Type	IP address
Units	dB

(2 of 2)

Table 33-8 rmnPortFiberType

Name	Value
Description	Indicates the fiber type.
Displayed name	Fiber Type
Type	PortFiberType

Table 33-9 rmnPortGMaxExpected

Name	Value
Decimals	2
Default	-99.0
Description	The maximum gain expected.
Displayed name	Expected Maximum Gain
Maximum	25
Minimum	0
Type	IP address
Units	dB

Table 33-10 rmnPortGMinExpected

Name	Value
Decimals	2
Default	-99.0
Description	The minimum gain expected.
Displayed name	Expected Minimum Gain
Maximum	25
Minimum	0
Type	IP address
Units	dB

Table 33-11 rmnPortOperatingMode

Name	Value
Description	This attribute determines the operating mode.
Displayed name	Operational Mode
Type	PortOperatingMode

Table 33-12 rmnPortTiltTarget

Name	Value
Decimals	2
Default	-99.0
Description	The tilt target.
Displayed name	Target Tilt
Maximum	3
Minimum	-3
Type	IP address
Units	dB

Table 33-13 wkPortChannelEgressPower

Name	Value
Decimals	2
Default	-99.0
Description	Common Egress Power. This is the per channel default egress power.
Displayed name	Per-Channel Output Power
Maximum	11
Minimum	-30
Type	IP address
Units	dBm

Table 33-14 wkPortChannelIngressPower

Name	Value
Decimals	2
Default	-99.0

(1 of 2)

Name	Value
Description	Common Ingress Power. This is the per channel default ingress power.
Displayed name	Per-Channel Input Power
Maximum	11
Minimum	-30
Type	IP address
Units	dBm

(2 of 2)

Table 33-15 wkPortChannelSupportedDirections

Name	Value
Description	The Supported Directions.
Type	SupportedDirection

Table 33-16 wkPortChPowerDeviationIn

Name	Value
Decimals	2
Default	-99.0
Description	EPT - Default Deviation In.
Displayed name	Per-Channel Input Power Deviation
Maximum	10
Minimum	0
Type	IP address
Units	dB

Table 33-17 wkPortChPowerDeviationOut

Name	Value
Decimals	2
Default	-99.0
Description	EPT - Default Deviation Out.
Displayed name	Per-Channel Output Power Deviation
Maximum	10
Minimum	0

(1 of 2)

Name	Value
Type	IP address
Units	dB

(2 of 2)

34 — PSSPMPolicy

Table 34-1 PSSPMPolicy parameters

Parameters	
password transferProtocol	userId

Table 34-2 password

Name	Value
Type	String

Table 34-3 transferProtocol

Name	Value
Default	tftp
Type	TransferProtocol

Table 34-4 userId

Name	Value
Type	String

35 — SdiSpecifics

Table 35-1 cbrArPortHdsdiRate

Name	Value
Description	HDSDI rate, which is compatible with existing NTSC systems.
Displayed name	HDSDI Rate
Type	HdsdiRate
Units	Gbps

36 — ServicePath

Table 36-1 ServicePath parameters

Parameters	
biDirectional pathId	serviceMode weight

Table 36-2 biDirectional

Name	Value
Description	true/false
Displayed name	Bi Directional (General)
Mandatory on creation	Yes
Type	Boolean

Table 36-3 pathId

Name	Value
Default	0
Displayed name	ID (General)
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 36-4 serviceMode

Name	Value
Description	unprotected/working/protection
Displayed name	Protection Configuration (General)
Mandatory on creation	Yes
Type	TransportServiceMode

Table 36-5 weight

Name	Value
Description	Indicates number of hops.
Displayed name	Weight (General)
Mandatory on creation	Yes
Type	Integer

37 — ServicePathBinding

Table 37-1 pathId

Name	Value
Default	0
Description	Same as the pathId of the ServicePath
Mandatory on creation	Yes
Minimum	1
Type	Integer

38 — ServiceSite

Table 38-1 sitePosition

Name	Value
Default	from
Description	Indicates if the site is at A end or Z end of the service.
Displayed name	From/To (General)
Type	SitePosition

39 — SubRateService

Table 39-1 SubRateService parameters

Parameters	
aEndLineVtsNumber	vtsExcessInfoRate
aEndLineVtsNumberEgress	vtsMapCEVLANID
aEndVtsNumber	vtsMapEgressCEVLANID
aEndVtsNumberEgress	vtsMapEgressSVLANID
vtsCommittedBurstRate	vtsMapIfIndex
vtsCommittedInfoRate	vtsMapIngressCEVLANID
vtsConnAdminState	vtsMapIngressSVLANID
vtsConnDestIfIndex	vtsMapVts
vtsConnDestVts	zEndLineVtsNumber
vtsConnName	zEndLineVtsNumberEgress
vtsConnSrcIfIndex	zEndVtsNumber
vtsConnSrcVts	zEndVtsNumberEgress
vtsExcessBurstRate	

Table 39-2 aEndLineVtsNumber

Name	Value
Default	0
Description	This Vts number is required only for 11dpe12 card when it is configured in qinq mode.
Type	Integer

Table 39-3 aEndLineVtsNumberEgress

Name	Value
Default	0
Description	This Vts number is required only for 11dpe12 card when it is configured in qinq mode.
Type	Integer

Table 39-4 aEndVtsNumber

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 card when it is configured in subrate mode.
Mandatory on creation	Yes
Type	SubRateVtsMap

Table 39-5 aEndVtsNumberEgress

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 card when it is configured in subrate mode.
Mandatory on creation	Yes
Type	SubRateVtsMap

Table 39-6 vtsCommittedBurstRate

Name	Value
Default	256
Description	Used in 11DPE12 subrate service.
Type	CbsAndEbsRate

Table 39-7 vtsCommittedInfoRate

Name	Value
Default	100
Description	Used in 11DPE12 subrate service.
Type	CirAndEirRate

Table 39-8 vtsConnAdminState

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Integer

Table 39-9 vtsConnDestIfIndex

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer

Table 39-10 vtsConnDestVts

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer

Table 39-11 vtsConnName

Name	Value
Default	null
Description	Used in 11DPE12 subrate service.
Type	String

Table 39-12 vtsConnSrcIfIndex

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer

Table 39-13 vtsConnSrcVts

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer

Table 39-14 vtsExcessBurstRate

Name	Value
Default	4096
Description	Used in 11DPE12 subrate service.
Type	CbsAndEbsRate

Table 39-15 vtsExcessInfoRate

Name	Value
Default	1000
Description	Used in 11DPE12 subrate service.
Type	CirAndEirRate

Table 39-16 vtsMapCEVLANID

Name	Value
Description	Used in 11DPE12 subrate service.
Type	String

Table 39-17 vtsMapEgressCEVLANID

Name	Value
Description	Used in 11DPE12 subrate qinq service.
Type	String

Table 39-18 vtsMapEgressSVLANID

Name	Value
Default	1
Description	Used in 11DPE12 subrate service for QinQ Mode.
Maximum	4095
Minimum	1
Type	Long integer

Table 39-19 vtsMapIfIndex

Name	Value
Description	Used in 11DPE12 subrate service.
Type	String

Table 39-20 vtsMapIngressCEVLANID

Name	Value
Description	Used in 11DPE12 subrate qinq service.
Type	String

Table 39-21 vtsMapIngressSVLANID

Name	Value
Default	1
Description	Used in 11DPE12 subrate service for QinQ Mode.
Maximum	4095
Minimum	1
Type	Long integer

Table 39-22 vtsMapVts

Name	Value
Description	Used in 11DPE12 subrate service.
Type	String

Table 39-23 zEndLineVtsNumber

Name	Value
Default	0
Description	This Line Vts number is required only for 11dpe12 card when it is configured in qinq mode.
Type	Integer

Table 39-24 zEndLineVtsNumberEgress

Name	Value
Default	0
Description	This Line Vts number is required only for 11dpe12 card when it is configured in qinq mode.
Type	Integer

Table 39-25 zEndVtsNumber

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 card when it is configured in subrate mode.
Mandatory on creation	Yes
Type	SubRateVtsMap

Table 39-26 zEndVtsNumberEgress

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 card when it is configured in subrate mode.

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	SubRateVtsMap

(2 of 2)

40 — TCAProfileAssigner

Table 40-1 TCAProfileAssigner parameters

Parameters	
clearBins groupId interval	noOfBins profileId

Table 40-2 clearBins

Name	Value
Default	1
Description	This attribute is used to clear all the bins in an interval on a particular card and group.
Displayed name	Clear Bins (General)
Type	PerformCommand

Table 40-3 groupId

Name	Value
Default	0
Description	The group identifier.
Displayed name	Profile Type (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	TCAProfileType

(2 of 2)

Table 40-4 interval

Name	Value
Default	0
Description	The collection interval.
Displayed name	Interval (General)
Mandatory on creation	Yes
Type	IntervalType

Table 40-5 noOfBins

Name	Value
Default	1
Description	The number of collection bins in the interval.
Displayed name	Number of Bins (General)
Maximum	33
Minimum	1
Type	Integer

Table 40-6 profileId

Name	Value
Default	0
Description	The profile identifier associated with an interval on a particular interface and group.
Maximum	8
Minimum	0
Type	Integer

41 — TerminationPoint

Table 41-1 TerminationPoint parameters

Parameters	
linePortNumber	vtsLine
portName	vtsLineEgress
serviceRate	vtsLineIngress
siteId	vtsNumber
termPointId	vtsNumberEgress
termPointPosition	vtsNumberIngress

Table 41-2 linePortNumber

Name	Value
Default	l1
Description	in subrate service user can give preference to which line port to select
Displayed name	Line Port Number (General)
Type	LinePortNo

Table 41-3 portName

Name	Value
Description	Used for Display in the service components screen in SAM GUI.

(1 of 2)

Name	Value
Displayed name	Port Name (General)
Type	String

(2 of 2)

Table 41-4 serviceRate

Name	Value
Default	unspecified
Description	Indicates the rate of the service. Duplicated from TransportService, to facilitate the display filters for vts related attributes.
Type	AssignedRate

Table 41-5 siteId

Name	Value
Type	String

Table 41-6 termPointId

Name	Value
Default	0
Mandatory on creation	Yes
Maximum	20
Minimum	1
Type	Long integer

Table 41-7 termPointPosition

Name	Value
Default	a1z1
Description	Indicates if the termination point is at the A End Site of the service or Z End Site of the service.
Type	TermPointPosition

Table 41-8 vtsLine

Name	Value
Default	1
Description	vtsLine will be filled only for 11dpe12 card configured in subrate/QinQ mode
Displayed name	Line VTS Number (General)
Maximum	32
Minimum	1
Type	Integer

Table 41-9 vtsLineEgress

Name	Value
Default	1
Description	vtsLine will be filled only for 11dpe12 card configured in subrate/QinQ mode
Displayed name	Egress VTS Number (General)
Maximum	100
Minimum	1
Type	Integer

Table 41-10 vtsLineIngress

Name	Value
Default	1
Description	vtsLine will be filled only for 11dpe12 card configured in subrate/QinQ mode
Displayed name	Ingress VTS Number (General)
Maximum	100
Minimum	1
Type	Integer

Table 41-11 vtsNumber

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 and 11dpe12e cards when it is configured in subrate/QinQ mode.
Displayed name	VTS Number (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	SubRateVtsMap

(2 of 2)

Table 41-12 vtsNumberEgress

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 and 11dpe12e cards when it is configured in subrate/QinQ mode.
Displayed name	Egress VTS Number (General)
Mandatory on creation	Yes
Type	SubRateVtsMap

Table 41-13 vtsNumberIngress

Name	Value
Default	vts0
Description	This Vts number is required only for 11dpe12 and 11dpe12e cards when it is configured in subrate/QinQ mode.
Displayed name	Ingress VTS Number (General)
Mandatory on creation	Yes
Type	SubRateVtsMap

42 — Trail

Table 42-1 Trail parameters

Parameters	
biDirectional	trailId

Table 42-2 biDirectional

Name	Value
Description	Direction of the port.
Displayed name	Bi Directional (General)
Type	Boolean

Table 42-3 trailId

Name	Value
Default	0
Displayed name	ID (General)
Mandatory on creation	Yes
Minimum	1
Type	Integer

43 — TrailBinding

Table 43-1 TrailBinding parameters

Parameters	
reverseTraversal trailBindId trailId	trailOrder trailOrderZA traversalType

Table 43-2 reverseTraversal

Name	Value
Default	False
Description	-
Type	Boolean

Table 43-3 trailBindId

Name	Value
Default	0
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 43-4 trailId

Name	Value
Default	0
Mandatory on creation	Yes
Minimum	1
Type	Integer

Table 43-5 trailOrder

Name	Value
Default	0
Description	Order of the trail in the service path traversing from A to Z.
Type	Integer

Table 43-6 trailOrderZA

Name	Value
Default	0
Description	Order of the trail in the service path traversing from Z to A if the trail is unidirectional.
Type	Integer

Table 43-7 traversalType

Name	Value
Default	both
Description	If the pointing OCHtrail is bidirectional, then traversalType can take the value "both".
Displayed name	A->Z Z->A Both
Type	TraversalType

44 — TransportService

Table 44-1 TransportService parameters

Parameters	
direction isServicePathCreated protection	rate wavekeyAssignMode

Table 44-2 direction

Name	Value
Default	bi
Description	Indicates if the service is Uni or Bi Directional.
Displayed name	Direction (General)
Type	ServiceDirection

Table 44-3 isServicePathCreated

Name	Value
Default	False
Description	if true , sites cannot be modified, only 'complete service' can be done.
Export	No
Type	Boolean

Table 44-4 protection

Name	Value
Default	unprotected
Description	Protection Type of the Service
Displayed name	Protection Type (General)
Type	ProtectionType

Table 44-5 rate

Name	Value
Default	unspecified
Description	Service Rate - Indicates the rate of the termination points.
Displayed name	Rate (General)
Type	AssignedRate

Table 44-6 wavekeyAssignMode

Name	Value
Default	auto
Description	Indicates the wavekey generation mode for the service.
Displayed name	Wavekey Assign Mode (General)
Type	WavekeySelect

45 — UnexpectedWtKeyEntry

Table 45-1 UnexpectedWtKeyEntry parameters

Parameters	
channel direction	ifIndex uwtKeyIndex

Table 45-2 channel

Name	Value
Description	The ITU channel.
Displayed name	Frequency (General)
Mandatory on creation	Yes
Type	ITUChannel

Table 45-3 direction

Name	Value
Description	The signal direction.
Displayed name	Direction (General)
Mandatory on creation	Yes
Type	Direction

Table 45-4 ifIndex

Name	Value
Mandatory on creation	Yes
Type	Long integer

Table 45-5 uwtKeyIndex

Name	Value
Description	An arbitrary id given to each of the unexpected Wave Keys.
Mandatory on creation	Yes
Type	Long integer

46 — VtsConnection

Table 46-1 VtsConnection parameters

Parameters	
cardSlotId	vtsConnDestIfIndex
ipv4AddrType	vtsConnDestVts
shelfId	vtsConnName
vtsCommittedBurstRate	vtsConnSrcIfIndex
vtsCommittedInfoRate	vtsConnSrcVts
vtsConnAdminState	vtsExcessBurstRate
vtsConnBidirectional	vtsExcessInfoRate

Table 46-2 cardSlotId

Name	Value
Type	Integer

Table 46-3 ipv4AddrType

Name	Value
Default	ipv4
Description	used to define the ip addr type field
Type	InetAddressType

Table 46-4 shelfId

Name	Value
Type	Integer

Table 46-5 vtsCommittedBurstRate

Name	Value
Default	256
Description	The CBS value of the VTS connection. Current configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbyte).
Displayed name	Committed Burst Size(kb/s) (General)
Type	CbsAndEbsRate

Table 46-6 vtsCommittedInfoRate

Name	Value
Default	100
Description	The CIR value of the VTS connection granularity of 100mbps. Current configurable range: 0 to 1000 (mbps).
Displayed name	Committed Information Rate(Mb/s) (General)
Type	CirAndEirRate

Table 46-7 vtsConnAdminState

Name	Value
Default	up
Description	The administrative state of the connection.
Displayed name	Administrative State (General)
Type	VtsConnAdminAndOperState

Table 46-8 vtsConnBidirectional

Name	Value
Default	BiDirectional
Description	An indication as to whether or not this connection is bidirectional or unidirectional.
Displayed name	Direction (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	OpticalLinkDirectionType

(2 of 2)

Table 46-9 vtsConnDestIfIndex

Name	Value
Description	The ifIndex of the VTS connection destination.
Type	Long integer

Table 46-10 vtsConnDestVts

Name	Value
Description	The VTS number of the connection destination. line: 1 to 32 for subrate 1 to 100 for QinQ client: 1 to 10.
Displayed name	Destination VTS Number (General)
Type	Long integer

Table 46-11 vtsConnName

Name	Value
Default	-
Description	The description of the VTS connection.
Displayed name	VTS Connection Name (General)
Type	String

Table 46-12 vtsConnSrcIfIndex

Name	Value
Description	The ifIndex of the VTS connection source.
Type	Long integer

Table 46-13 vtsConnSrcVts

Name	Value
Description	The VTS number of the connection source. line: 1 to 32 for subrate 1 to 100 for QinQ client: 1 to 10.
Displayed name	Source VTS Number (General)
Type	Long integer

Table 46-14 vtsExcessBurstRate

Name	Value
Default	4096
Description	The EBS value of the VTS connection. Current configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbyte).
Displayed name	Excess Burst Size(kb/s) (General)
Type	CbsAndEbsRate

Table 46-15 vtsExcessInfoRate

Name	Value
Default	1000
Description	The EIR value of the VTS connection granularity of 100mbps. Current configurable range: 0 to 1000 (mbps)
Displayed name	Excess Information Rate(Mb/s) (General)
Type	CirAndEirRate

47 — VtsMap

Table 47-1 VtsMap parameters

Parameters	
ceVLANID	vtsDirection
egressVtsCmodeMapCEVLANID	vtsMapCEVLANID
egressVtsCmodeMapCMode	vtsMapEgressCEVLANID
egressVtsCmodeMapSVLANID	vtsMapEgressSVLANID
ingressVtsCmodeMapCEVLANID	vtsMapIfIndex
ingressVtsCmodeMapCMode	vtsMapIngressCEVLANID
ingressVtsCmodeMapSVLANID	vtsMapIngressSVLANID
stackVLANID	vtsMapVts
vtsCmode	

Table 47-2 ceVLANID

Name	Value
Displayed name	CE-VLAN ID (General)
Type	String

Table 47-3 egressVtsCmodeMapCEVLANID

Name	Value
Description	Egress CEVLANID string indicates the VLANID or VLANID ranges, separated by commas. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.
Displayed name	VTS Egress CE-VLAN ID (General)
Maximum	64
Minimum	0
Type	String

Table 47-4 egressVtsCmodeMapCMode

Name	Value
Description	It is used to differ classification mode. The value of the classification mode can be: PORT, SVLAN TAGGED, CEVLAN TAGGED, Source IP Address, Destination IP Address , source IP Address and Destination IP address
Type	VTSClsMode

Table 47-5 egressVtsCmodeMapSVLANID

Name	Value
Description	Indicates the stack VLANID for egress cmode for 11DPE12E Example: Current configurable range: 2 to 4094
Displayed name	VTS Egress S-VLAN ID (General)
Type	Long integer

Table 47-6 ingressVtsCmodeMapCEVLANID

Name	Value
Description	Ingress CEVLANID string indicates the VLANID or VLANID ranges, separated by commas. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL
Displayed name	VTS Ingress CE-VLAN ID (General)
Maximum	64
Minimum	0
Type	String

Table 47-7 ingressVtsCmodeMapCMode

Name	Value
Description	It is used to provision classification mode. The value of the classification mode can be: PORT, SVLAN TAGGED, CEVLAN TAGGED, Source IP Address, Destination IP Address ,source IP Address and Destination IP address.
Type	VTSClsMode

Table 47-8 ingressVtsCmodeMapSVLANID

Name	Value
Description	Indicates the stack VLANID for ingress cmode for 11DPE12E Example: Current configurable range: 2 to 4094
Displayed name	VTS Ingress S-VLAN ID (General)
Type	Long integer

Table 47-9 stackVLANID

Name	Value
Displayed name	Stack-VLAN ID (General)
Type	Long integer

Table 47-10 vtsCmode

Name	Value
Description	Entry will be with either tnIngressVtsCmodeMapCMode or tnEgressVtsCmodeMapCMode.
Displayed name	Classification Mode (General)
Type	VTSClsMode

Table 47-11 vtsDirection

Name	Value
Default	IngressAndEgress
Description	If Direction = Egress, an entry is made in the tnEgressVtsMap table/tnEgressVtsCmodeMap Table. If Direction = Ingress, an entry is made in the tnIngressVtsMaptable/tnIngressVtsCmodeMap Table. If Direction = Ingress and Egress, an entry is made in the tnVtsMapTable OR On Both tnIngressVtsCmodeMapTable and tnEgressVtsCmodeMapTable. .

(1 of 2)

Name	Value
Displayed name	VTS Direction (General)
Type	VTSDirection

(2 of 2)

Table 47-12 vtsMapCEVLANID

Name	Value
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.
Displayed name	VTS CE-VLAN ID (General)
Type	String

Table 47-13 vtsMapEgressCEVLANID

Name	Value
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.
Displayed name	VTS Egress CE-VLAN ID (General)
Type	String

Table 47-14 vtsMapEgressSVLANID

Name	Value
Description	SVLANID string indicates the egress VLANID on Line Port if Card is in QinQ Mode. Current configurable range: 1 to 4095.
Displayed name	VTS Egress S-VLAN ID (General)
Type	Long integer

Table 47-15 vtsMapIfIndex

Name	Value
Description	The ifIndex of the VTS Map Table.
Type	Long integer

Table 47-16 vtsMapIngressCEVLANID

Name	Value
Description	CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.
Displayed name	VTS Ingress CE-VLAN ID (General)
Type	String

Table 47-17 vtsMapIngressSVLANID

Name	Value
Description	SVLANID string indicates the ingress VLANID on Line Port if Card is in QinQ Mode. Current configurable range: 1 to 4095.
Displayed name	VTS Ingress S-VLAN ID (General)
Type	Long integer

Table 47-18 vtsMapVts

Name	Value
Description	The VTS number of VTS Map Table. Value range: 1 to 100.
Displayed name	VTS Map Number (General)
Maximum	100
Minimum	0
Type	Long integer

48 — VtsSpecifics

Table 48-1 VtsSpecifics parameters

Parameters	
vts10Source	vts5Source
vts1Source	vts6Source
vts2Source	vts7Source
vts3Source	vts8Source
vts4Source	vts9Source

Table 48-2 vts10Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 10 of 11DPE12 Line Port.
Displayed name	VTS10 Source
Type	VtsSource

Table 48-3 vts1Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 1 of 11DPE12 Line Port.

(1 of 2)

Name	Value
Displayed name	VTS1 Source
Type	VtsSource

(2 of 2)

Table 48-4 vts2Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 2 of 11DPE12 Line Port..
Displayed name	VTS2 Source
Type	VtsSource

Table 48-5 vts3Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 3 of 11DPE12 Line Port.
Displayed name	VTS3 Source
Type	VtsSource

Table 48-6 vts4Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 4 of 11DPE12 Line Port.
Displayed name	VTS4 Source
Type	VtsSource

Table 48-7 vts5Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 5 of 11DPE12 Line Port.
Displayed name	VTS5 Source
Type	VtsSource

Table 48-8 vts6Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 6 of 11DPE12 Line Port.
Displayed name	VTS6 Source
Type	VtsSource

Table 48-9 vts7Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 7 of 11DPE12 Line Port.
Displayed name	VTS7 Source
Type	VtsSource

Table 48-10 vts8Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 8 of 11DPE12 Line Port.
Displayed name	VTS8 Source
Type	VtsSource

Table 48-11 vts9Source

Name	Value
Default	None
Description	Indicates the 'port connected to' from Virtual Time Slot 9 of 11DPE12 Line Port.
Displayed name	VTS9 Source
Type	VtsSource

49 — WavekeyDecodeSpecifics

Table 49-1 ifIndex

Name	Value
Description	SnmpPortId of the Port.
Mandatory on creation	Yes
Type	Long integer

50 — WavekeyEncodeSpecifics

Table 50-1 waveKeyEncodeProgrammedNwOutputPower

Name	Value
Default	-99.0
Description	The programmmed AC output power of the port (EVOA), measured in mBm. It is the power of the full optical signal. Current configurable range: -2000 to -300 (CAD or COF) -2000 to 200 (2.5 Gig transponders) -2000 to 400 (10 Gig and 40 Gig non-coherent transponders) -2000 to -550 (4 Gig dual port transponders) -1700 to 400 (40 Gig and 100 Gig coherent transponders).
Displayed name	Expected Network Output Power
Maximum	4
Minimum	-20
Step	0.01
Type	IP address
Units	dBm

51 — WaveTrackerKeyEntry

Table 51-1 WaveTrackerKeyEntry parameters

Parameters	
channel direction ifIndex wtkExpectedPower wtkExpectedPowerDeviation	wtkExpectedPowerTolerance wtkExpectedWk1 wtkExpectedWk2 wtkSynchronizePower

Table 51-2 channel

Name	Value
Description	The ITU channel.
Displayed name	Frequency (General)
Mandatory on creation	Yes
Type	ITUChannel

Table 51-3 direction

Name	Value
Description	The signal direction.
Displayed name	Direction (General)

(1 of 2)

Name	Value
Mandatory on creation	Yes
Type	Direction

(2 of 2)

Table 51-4 ifIndex

Name	Value
Description	SnmpPortId of the Port.
Mandatory on creation	Yes
Type	Long integer

Table 51-5 wtkExpectedPower

Name	Value
Default	-99.0
Description	The power, expressed in units of mBm, associated with the expected Wave Keys. It is the average power of the Wave Keys. Current configurable range: -99.00 | -40.00 to 11.00.
Displayed name	Expected Power (General)
Maximum	11
Minimum	-99
Step	0.01
Type	IP address
Units	dBm

Table 51-6 wtkExpectedPowerDeviation

Name	Value
Default	2.5
Description	The allowed deviation of the expected power, expressed in units of mB. Current configurable range: 0 to 10.00.
Displayed name	Expected Power Deviation (General)
Maximum	10
Minimum	0
Step	0.01
Type	IP address
Units	dB

Table 51-7 wtkExpectedPowerTolerance

Name	Value
Default	0
Description	The allowed tolerance of the expected power, expressed in units of mB. Current configurable range: 0 to 5.00.
Displayed name	Expected Power Tolerance (General)
Maximum	5
Minimum	0
Step	0.01
Type	IP address
Units	dB

Table 51-8 wtkExpectedWk1

Name	Value
Default	0
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected. Current configurable range: 0 to 4096.
Displayed name	Wave Key 1 (General)
Maximum	4096
Minimum	0
Type	Long integer

Table 51-9 wtkExpectedWk2

Name	Value
Default	0
Description	One of many possible Wave Keys expected to be riding on a particular channel. A value of zero indicates no Wave Key expected. Current configurable range: 0 to 4096.
Displayed name	Wave Key 2 (General)
Maximum	4096
Minimum	0
Type	Long integer

Table 51-10 wtkSynchronizePower

Name	Value
Description	Setting this attribute to a value of execute sets the expected power equal to the present power. If the present power is unavailable the set will be failed back to the user. When read, this attribute always returns noCmd.
Type	PerformCommand

52 — YCableService

Table 52-1 YCableService parameters

Parameters	
apsDirection revertMode	waitToRestore

Table 52-2 apsDirection

Name	Value
Default	unidirectional
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode.
Displayed name	Unidirectional Bidirectional
Export	No
Type	ApsDirection

Table 52-3 revertMode

Name	Value
Default	Nonrevertive
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation mode.

(1 of 2)

Name	Value
Displayed name	Revert Mode
Export	No
Type	ApsRevertMode

(2 of 2)

Table 52-4 waitToRestore

Name	Value
Default	5
Description	Duplicated from ApsGroup. Applicable only for y-cable protected service in creation/edit mode.
Displayed name	Wait To Restore
Export	No
Maximum	20
Minimum	1
Type	Integer
Units	minutes

1830 PSS parameter types

53 — Equipment types

Table 53-1 equipmenttypes parameters

Parameters	
CardSubType NamedPoolAdminState	VoiceCompandingType VoiceSigType

Table 53-2 CardSubType

Name	Value
112SA1L:100G Single Port Tunable Anyrate XL-band (1 Client)	• Name: pss_aluWdm112sa1lCard • order: 31 • Value: 97
112SCA1:100G Single Port Tunable Anyrate C-band (1 Client)	• Name: pss_aluWdm112sca1Card • order: 30 • Value: 96
112SCX10:100G Single Port Tunable Multirate Mux C-band (10 Clients)	• Name: pss_aluWdm112scx10Card • order: 32 • Value: 98
112SX10L:100G Single Port Tunable Multirate Mux XL-band (10 Clients)	• Name: pss_aluWdm112sx10lCard • order: 33 • Value: 99
11DPE12-11G Dual Port Pluggable GBE Mux (12 Client)	• Name: pss_aluWdm11dpge12Card • order: 34 • Value: 27

(1 of 7)

Name	Value
11DPE12E:11G Dual Port Pluggable GBE Mux (12 Clients) Enhanced	• Name: pss_aluWdm11dpe12eCard • order: 35 • Value: 100
11DPM12:11G Dual Port Pluggable Mux (12 Clients)	• Name: pss_aluWdm11dpm12Card • order: 36 • Value: 101
11QPA4-11G Quad Port Tunable Anyrate (4 Client)	• Name: pss_aluWdm11qpa4Card • order: 37 • Value: 24
11STAR1-11G Single Port Tunable AnyRate (1 Client)	• Name: pss_aluWdm11star1Card • order: 38 • Value: 25
11STGE12-11G Single Port Tunable GBE Mux (12 Client)	• Name: pss_aluWdm11stge12Card • order: 39 • Value: 26
11STMM10-11G Single Port Tunable Multirate Mux (10 Client)	• Name: pss_aluWdm11stmm10Card • order: 40 • Value: 28
43STA1P-40G Single Port Tunable Anyrate (1 Client)	• Name: pss_aluWdm43sta1pCard • order: 41 • Value: 23
43STX4-40G Single Port Tunable Multirate Mux (4 Client)	• Name: pss_aluWdm43stx4Card • order: 42 • Value: 21
43STX4P-40G Single Port Tunable Multirate Mux (4 Client) P-DPSK	• Name: pss_aluWdm43stx4pCard • order: 43 • Value: 22
4DPA2-2G Dual Port Pluggable AnyRate (2 Client)	• Name: pss_aluWdm4dpa2Card • order: 44 • Value: 29
4DPA4 DualTran-4G Dual Port Pluggable AnyRate (4 Client)	• Name: pss_aluWdm4dpa4DualTranCard • order: 45 • Value: 94
4DPA4 FlexMux-4G Dual Port Pluggable AnyRate (4 Client)	• Name: pss_aluWdm4dpa4Card • order: 46 • Value: 20
A2325A:Amplifier with 23 dBm Power, 25 dBm Gain, and 0 dbm Gain Tilt Card	• Name: pss_aluWdmA2325aCard • order: 201 • Value: 46
AHPHG:Amplifier High Power High Gain	• Name: pss_aluWdmAhphgCard • order: 202 • Value: 42
AHPLG:Amplifier High Power Low Gain	• Name: pss_aluWdmAhplgCard • order: 203 • Value: 44

(2 of 7)

Name	Value
ALPFGK:Amplifier Low Power Fixed Gain Keyed OCH Services	• Name: pss_aluWdmAlpfgkCard • order: 204 • selectable: no • Value: 41
ALPFGT:Amplifier Low Power Fixed Gain, Total Power	• Name: pss_aluWdmAlpfgtCard • order: 205 • Value: 45
ALPHG:Amplifier Low Power High Gain	• Name: pss_aluWdmAlphgCard • order: 206 • Value: 43
AM2017B:Amplifier High Power Low Gain, DCM removed	• Name: pss_aluWdmAm2017bCard • order: 207 • Value: 48
AM2125A:Uni-directional Amplifier with 21 dBm Power, 25 dBm Gain	• Name: pss_aluWdmAm2125aCard • order: 208 • Value: 50
AM2325B:Amplifier, 23 dBm Power, Variable Gain, C-band, DCM removed	• Name: pss_aluWdmAm2325bCard • order: 209 • Value: 49
BTC:Bus Termination Card	• Name: pss_aluWdmBusTerminationCard • order: 10 • Value: 12
CWR8-88:Colorless Wavelength Router Card, 88 Channel	• Name: pss_aluWdmCwr8c88Card • order: 301 • Value: 60
CWR8:Colorless Wavelength Router Card, 44 Channel	• Name: pss_aluWdmCwr8Card • order: 300 • selectable: yes • Value: 61
DCM:Dispersion Compensation Card	• Name: pss_aluWdmDcmCard • order: 7 • Value: 11
EC:Equipment Controller Card	• Name: pss_aluWdmEquipmentControllerCard • order: 1 • Value: 1
EC:Equipment Controller Card	• Name: pss_aluWdmEquipmentControllerCardPss4 • order: 111 • Value: 111
Fan Unit	• Name: pss_aluWdmFanUnitCard • order: 3 • Value: 3
FLC:First Level Controller	• Name: pss_aluWdmFirstLevelControllerCard • order: 8 • Value: 8
ITLB:Interleaver Card	• Name: pss_aluWdmItlbCard • order: 6 • Value: 10

(3 of 7)

Name	Value
MT0C:Matrix T0 Compact	• Name: pss_aluWdmMatrix0CompactCard • order: 9 • Value: 9
MVAC:Multiple Port Variable Attenuator Card	• Name: pss_aluWdmMVACCard • order: 48 • Value: 102
Occupied by other Card	• Name: occupied • order: 5 • Value: 5
OPSA:Enhanced Optical Protection Switch Card	• Name: pss_aluWdmOpsaCard • order: 47 • Value: 56
OSC:Optical Supevisory Card	• Name: pss_aluWdmOscCard • order: 210 • selectable: no • Value: 40
OSCT:Optical Supervisory Card Total Power	• Name: pss_aluWdmOsctCard • order: 211 • Value: 47
PF:Power Filter Card	• Name: pss_aluWdmPowerFilterCard • order: 2 • Value: 2
RA2P:Uni-directional Raman Amplifier with 2 Pumps	• Name: pss_aluWdmRa2pCard • order: 212 • Value: 51
SFC1A: Static Filter CWDM 1 Channel (A Variant)	• Name: pss_aluWdmSFC1ACard • order: 101 • Value: 82
SFC1B: Static Filter CWDM 1 Channel (B Variant)	• Name: pss_aluWdmSFC1BCard • order: 102 • Value: 83
SFC1C: Static Filter CWDM 1 Channel (C Variant)	• Name: pss_aluWdmSFC1CCard • order: 103 • Value: 84
SFC1D: Static Filter CWDM 1 Channel (D Variant)	• Name: pss_aluWdmSFC1DCard • order: 104 • Value: 85
SFC1E: Static Filter CWDM 1 Channel (E Variant)	• Name: pss_aluWdmSFC1ECard • order: 105 • Value: 86
SFC1F: Static Filter CWDM 1 Channel (F Variant)	• Name: pss_aluWdmSFC1FCard • order: 106 • Value: 87
SFC1G: Static Filter CWDM 1 Channel (G Variant)	• Name: pss_aluWdmSFC1GCard • order: 107 • Value: 88

(4 of 7)

Name	Value
SFC1H: Static Filter CWDM 1 Channel (H Variant)	• Name: pss_aluWdmSFC1HCard • order: 108 • Value: 89
SFC2A:Static Filter CWDM 2 Channel (A Variant)	• Name: pss_aluWdmSFC2ACard • order: 109 • Value: 75
SFC2B:Static Filter CWDM 2 Channel (B Variant)	• Name: pss_aluWdmSFC2BCard • order: 110 • Value: 76
SFC2C:Static Filter CWDM 2 Channel (C Variant)	• Name: pss_aluWdmSFC2CCard • order: 111 • Value: 77
SFC2D:Static Filter CWDM 2 Channel (D Variant)	• Name: pss_aluWdmSFC2DCard • order: 112 • Value: 78
SFC4A:Static Filter CWDM 4 Channel (A Variant)	• Name: pss_aluWdmSFC4ACard • order: 113 • Value: 79
SFC4B:Static Filter CWDM 4 Channel (B Variant)	• Name: pss_aluWdmSFC4BCard • order: 114 • Value: 80
SFC8:Static Filter CWDM 8 Channel	• Name: pss_aluWdmSFC8Card • order: 115 • Value: 81
SFD40:Static Filter DWDM 40 Channel	• Name: pss_aluWdmSfd40Card • order: 136 • Value: 92
SFD40B:Static Filter DWDM 40 Odd Channel	• Name: pss_aluWdmSfd40bCard • order: 137 • selectable: yes • Value: 93
SFD44:Static Filter DWDM 44 Channel	• Name: pss_aluWdmSfd44Card • order: 138 • Value: 90
SFD44B:Static Filter DWDM 44 Odd Channel	• Name: pss_aluWdmSfd44bCard • order: 139 • selectable: yes • Value: 91
SFD4A:Static Filter DWDM 4 Channel (A Variant)	• Name: pss_aluWdmSFD4ACard • order: 116 • Value: 103
SFD4B:Static Filter DWDM 4 Channel (B Variant)	• Name: pss_aluWdmSFD4BCard • order: 117 • Value: 104
SFD4C:Static Filter DWDM 4 Channel (C Variant)	• Name: pss_aluWdmSFD4CCard • order: 118 • Value: 105

(5 of 7)

Name	Value
SFD4D:Static Filter DWDM 4 Channel (D Variant)	• Name: pss_aluWdmSFD4DCard • order: 119 • Value: 106
SFD4E:Static Filter DWDM 4 Channel (E Variant)	• Name: pss_aluWdmSFD4ECard • order: 120 • Value: 107
SFD4F:Static Filter DWDM 4 Channel (F Variant)	• Name: pss_aluWdmSFD4FCard • order: 121 • Value: 108
SFD4G:Static Filter DWDM 4 Channel (G Variant)	• Name: pss_aluWdmSFD4GCard • order: 122 • Value: 109
SFD4H:Static Filter DWDM 4 Channel (H Variant)	• Name: pss_aluWdmSFD4HCard • order: 123 • Value: 110
SFD5A:Static Filter DWDM 5 Channel (A Variant)	• Name: pss_aluWdmSFD5ACard • order: 124 • Value: 63
SFD5B:Static Filter DWDM 5 Channel (B Variant)	• Name: pss_aluWdmSFD5BCard • order: 125 • Value: 64
SFD5C:Static Filter DWDM 5 Channel (C Variant)	• Name: pss_aluWdmSFD5CCard • order: 126 • Value: 65
SFD5D:Static Filter DWDM 5 Channel (D Variant)	• Name: pss_aluWdmSFD5DCard • order: 127 • Value: 66
SFD5E:Static Filter DWDM 5 Channel (E Variant)	• Name: pss_aluWdmSFD5ECard • order: 128 • Value: 67
SFD5F:Static Filter DWDM 5 Channel (F Variant)	• Name: pss_aluWdmSFD5FCard • order: 129 • Value: 68
SFD5G:Static Filter DWDM 5 Channel (G Variant)	• Name: pss_aluWdmSFD5GCard • order: 130 • Value: 69
SFD5H:Static Filter DWDM 5 Channel (H Variant)	• Name: pss_aluWdmSFD5HCard • order: 131 • Value: 70
SFD8A:Static Filter DWDM 8 Channel (A Variant)	• Name: pss_aluWdmSFD8ACard • order: 132 • Value: 71
SFD8B:Static Filter DWDM 8 Channel (B Variant)	• Name: pss_aluWdmSFD8BCard • order: 133 • Value: 72

(6 of 7)

Name	Value
SFD8C:Static Filter DWDM 8 Channel (C Variant)	• Name: pss_aluWdmSFD8CCard • order: 134 • Value: 73
SFD8D:Static Filter DWDM 8 Channel (D Variant)	• Name: pss_aluWdmSFD8DCard • order: 135 • Value: 74
SVAC:Single Port Variable Attenuator Card	• Name: pss_aluWdmSVACCard • order: 49 • Value: 62
User Interface Panel	• Name: pss_aluWdmUserInterfacePanelCard • order: 4 • Value: 4
WTOCM:Wavelength Tracker Optical Channel Monitoring Card	• Name: pss_aluWdmWtocmCard • order: 213 • Value: 95

(7 of 7)

Table 53-3 NamedPoolAdminState

Name	Value
In Service	• Name: inService • Value: 2
Out of Service	• Name: outOfService • Value: 3

Table 53-4 VoiceCompandingType

Name	Value
A-Law	• Name: aLaw • Value: 1
Mu-Law	• Name: muLaw • Value: 2
Not Applicable	• Name: notApplicable • selectable: no • Value: 0

Table 53-5 VoiceSigType

Name	Value
Not Applicable	• Name: notApplicable • selectable: no • Value: 0
Type 1	• Name: type1 • Value: 1
Type 2	• Name: type2 • Value: 2
Type 3	• Name: type3 • Value: 3
Type 4	• Name: type4 • Value: 4
Type 5	• Name: type5 • Value: 5

54 — Netca types

Table 54-1 netcatypes parameters

Parameters	
StatsVariableName	TCAProfileType

Table 54-2 StatsVariableName

Name	Value
Average Power	• Name: oprStatAveragePower • selectable: no • Value: 153
Average Power	• Name: optStatAveragePower • selectable: no • Value: 173
Cpu Average Utilization	• Name: cardStatCpuAverage • selectable: no • Value: 1
CV 15 Min Rtr	• Name: phyCodeSublayerStatRxCV15MinRtr • selectable: no • Value: 225
Heap Usage	• Name: cardStatHeapUsage • selectable: no • Value: 2
In Broadcast Packets	• Name: ifStatInBroadcastPkts • selectable: no • Value: 131

(1 of 26)

Name	Value
In Discards	• Name: ifStatInDiscards • selectable: no • Value: 123
In Errors	• Name: ifStatInErrors • selectable: no • Value: 124
In Multicast Packets	• Name: ifStatInMulticastPkts • selectable: no • Value: 130
In Octets	• Name: ifStatInOctets • selectable: no • Value: 121
In Packets Not Classified	• Name: ifStatInPacketsNotClassified • selectable: no • Value: 134
In Unicast Packets	• Name: ifStatInUcastPkts • selectable: no • Value: 122
In Unknown Protocols	• Name: ifStatInUnknownProtos • selectable: no • Value: 125
Max Power Rtr	• Name: oprStatMaxPowerRtr • selectable: no • Value: 157
Max Power Rtr	• Name: optStatMaxPowerRtr • selectable: no • Value: 177
Max Power Tr	• Name: oprStatMaxPowerTr • selectable: no • Value: 155
Max Power Tr	• Name: optStatMaxPowerTr • selectable: no • Value: 175
Max Power	• Name: oprStatMaxPower • selectable: no • Value: 152
Max Power	• Name: optStatMaxPower • selectable: no • Value: 172
Min Power Rtr	• Name: oprStatMinPowerRtr • selectable: no • Value: 156
Min Power Rtr	• Name: optStatMinPowerRtr • selectable: no • Value: 176

(2 of 26)

Name	Value
Min Power Tr	• Name: oprStatMinPowerTr • selectable: no • Value: 154
Min Power Tr	• Name: optStatMinPowerTr • selectable: no • Value: 174
Min Power	• Name: oprStatMinPower • selectable: no • Value: 151
Min Power	• Name: optStatMinPower • selectable: no • Value: 171
Out Broadcast Packets	• Name: ifStatOutBroadcastPkts • selectable: no • Value: 133
Out Discards	• Name: ifStatOutDiscards • selectable: no • Value: 128
Out Errors	• Name: ifStatOutErrors • selectable: no • Value: 129
Out Multicast Packets	• Name: ifStatOutMulticastPkts • selectable: no • Value: 132
Out Octets	• Name: ifStatOutOctets • selectable: no • Value: 126
Out Unicast Packets	• Name: ifStatOutUcastPkts • selectable: no • Value: 127
Pool Usage	• Name: cardStatPoolUsage • selectable: no • Value: 3
Rx BER PostFEC 1 Day Tr	• Name: dwRxBERPostFEC1DayTr • selectable: no • Value: 96
Rx BER PostFEC 15 Min Rtr	• Name: dwRxBERPostFEC15MinRtr • selectable: no • Value: 108
Rx BER PostFEC 15 Min Tr	• Name: dwRxBERPostFEC15MinTr • selectable: no • Value: 84
Rx BER PostFEC	• Name: dw64BitStatRxBERPostFEC • selectable: no • Value: 62

(3 of 26)

Name	Value
Rx BER PreFEC 1 Day Tr	• Name: dwRxBERPreFEC1DayTr • selectable: no • Value: 95
Rx BER PreFEC 15 Min Rtr	• Name: dwRxBERPreFEC15MinRtr • selectable: no • Value: 107
Rx BER PreFEC 15 Min Tr	• Name: dwRxBERPreFEC15MinTr • selectable: no • Value: 83
Rx BER PreFEC	• Name: dw64BitStatRxBERPreFEC • selectable: no • Value: 61
Rx Broadcast Packets	• Name: etherStatRxBcastPkts • selectable: no • Value: 404
Rx Collisions	• Name: etherStatRxCollisions • selectable: no • Value: 411
Rx CRC Alignment Errors	• Name: etherStatRxCrcAlignErrs • selectable: no • Value: 406
Rx CV 1 Day Tr	• Name: phyCodeSublayerStatRxCV1DayTr • selectable: no • Value: 217
Rx CV 15 Min Tr	• Name: phyCodeSublayerStatRxCV15MinTr • selectable: no • Value: 209
Rx CV	• Name: phyCodeSublayerStatRxCV • selectable: no • Value: 201
Rx CVL 1 Day Tr	• Name: sonetStatRxCVL1DayTr • selectable: no • Value: 545
Rx CVL 15 Min Rtr	• Name: sonetStatRxCVL15MinRtr • selectable: no • Value: 565
Rx CVL 15 Min Tr	• Name: sonetStatRxCVL15MinTr • selectable: no • Value: 525
Rx CVL	• Name: sonetStatRxCVL • selectable: no • Value: 505
Rx CVS 1 Day Tr	• Name: sonetStatRxCVS1DayTr • selectable: no • Value: 541

(4 of 26)

Name	Value
Rx CVS 15 Min Rtr	• Name: sonetStatRxCVS15MinRtr • selectable: no • Value: 561
Rx CVS 15 Min Tr	• Name: sonetStatRxCVS15MinTr • selectable: no • Value: 521
Rx CVS	• Name: sonetStatRxCVS • selectable: no • Value: 501
Rx Drop Events	• Name: etherStatRxDropEvents • selectable: no • Value: 401
Rx ES 1 Day Tr	• Name: phyCodeSublayerStatRxES1DayTr • selectable: no • Value: 218
Rx ES 15 Min Rtr	• Name: phyCodeSublayerStatRxES15MinRtr • selectable: no • Value: 226
Rx ES 15 Min Tr	• Name: phyCodeSublayerStatRxES15MinTr • selectable: no • Value: 210
Rx ES	• Name: phyCodeSublayerStatRxES • selectable: no • Value: 202
Rx ESL 1 Day Tr	• Name: sonetStatRxESL1DayTr • selectable: no • Value: 546
Rx ESL 15 Min Rtr	• Name: sonetStatRxESL15MinRtr • selectable: no • Value: 566
Rx ESL 15 Min Tr	• Name: sonetStatRxESL15MinTr • selectable: no • Value: 526
Rx ESL	• Name: sonetStatRxESL • selectable: no • Value: 506
Rx ESS 1 Day Tr	• Name: sonetStatRxESS1DayTr • selectable: no • Value: 542
Rx ESS 15 Min Rtr	• Name: sonetStatRxESS15MinRtr • selectable: no • Value: 562
Rx ESS 15 Min Tr	• Name: sonetStatRxESS15MinTr • selectable: no • Value: 522

(5 of 26)

Name	Value
Rx ESS	• Name: sonetStatRxESS • selectable: no • Value: 502
Rx FCL 1 Day Tr	• Name: sonetStatRxFCL1DayTr • selectable: no • Value: 549
Rx FCL 15 Min Rtr	• Name: sonetStatRxFCL15MinRtr • selectable: no • Value: 569
Rx FCL 15 Min Tr	• Name: sonetStatRxFCL15MinTr • selectable: no • Value: 529
Rx FCL	• Name: sonetStatRxFCL • selectable: no • Value: 509
Rx FECVL 1 Day Tr	• Name: sonetStatRxFECVL1DayTr • selectable: no • Value: 589
Rx FECVL 15 Min Rtr	• Name: sonetStatRxFECVL15MinRtr • selectable: no • Value: 593
Rx FECVL 15 Min Tr	• Name: sonetStatRxFECVL15MinTr • selectable: no • Value: 585
Rx FECVL	• Name: sonetStatRxFECVL • selectable: no • Value: 581
Rx FEESL 1 Day Tr	• Name: sonetStatRxFEESL1DayTr • selectable: no • Value: 590
Rx FEESL 15 Min Rtr	• Name: sonetStatRxFEESL15MinRtr • selectable: no • Value: 594
Rx FEESL 15 Min Tr	• Name: sonetStatRxFEESL15MinTr • selectable: no • Value: 586
Rx FEESL	• Name: sonetStatRxFEESL • selectable: no • Value: 582
Rx FESESL 1 Day Tr	• Name: sonetStatRxFESESL1DayTr • selectable: no • Value: 591
Rx FESESL 15 Min Rtr	• Name: sonetStatRxFESESL15MinRtr • selectable: no • Value: 595

(6 of 26)

Name	Value
Rx FESESL 15 Min Tr	• Name: sonetStatRxFESESL15MinTr • selectable: no • Value: 587
Rx FESESL	• Name: sonetStatRxFESESL • selectable: no • Value: 583
Rx FEUASL 1 Day Tr	• Name: sonetStatRxFEUASL1DayTr • selectable: no • Value: 592
Rx FEUASL 15 Min Rtr	• Name: sonetStatRxFEUASL15MinRtr • selectable: no • Value: 596
Rx FEUASL 15 Min Tr	• Name: sonetStatRxFEUASL15MinTr • selectable: no • Value: 588
Rx FEUASL	• Name: sonetStatRxFEUASL • selectable: no • Value: 584
Rx Fragments	• Name: etherStatRxFragments • selectable: no • Value: 409
Rx Jabbers	• Name: etherStatRxJabbers • selectable: no • Value: 410
Rx Jumbo Packets	• Name: etherStatRxJumboPkts • selectable: no • Value: 418
Rx MS FE EB	• Name: sdhStatRxMSFEEB • selectable: no • Value: 315
Rx MS FE ES	• Name: sdhStatRxMSFEES • selectable: no • Value: 316
Rx MS FES ES	• Name: sdhStatRxMSFESES • selectable: no • Value: 317
Rx MS FEU AS	• Name: sdhStatRxMSFEUAS • selectable: no • Value: 318
Rx MSEB 1 Day Tr	• Name: sdhStatRxMSEB1DayTr • selectable: no • Value: 286
Rx MSEB 15 Min Rtr	• Name: sdhStatRxMSEB15MinRtr • selectable: no • Value: 302

(7 of 26)

Name	Value
Rx MSEB 15 Min Tr	• Name: sdhStatRxMSEB15MinTr • selectable: no • Value: 270
Rx MSEB	• Name: sdhStatRxMSEB • selectable: no • Value: 254
Rx MSES 1 Day Tr	• Name: sdhStatRxMSES1DayTr • selectable: no • Value: 287
Rx MSES 15 Min Rtr	• Name: sdhStatRxMSES15MinRtr • selectable: no • Value: 303
Rx MSES 15 Min Tr	• Name: sdhStatRxMSES15MinTr • selectable: no • Value: 271
Rx MSES	• Name: sdhStatRxMSES • selectable: no • Value: 255
Rx MSFEEB 1 Day Tr	• Name: sdhStatRxMSFEEB1DayTr • selectable: no • Value: 323
Rx MSFEEB 15 Min Rtr	• Name: sdhStatRxMSFEEB15MinRtr • selectable: no • Value: 327
Rx MSFEEB 15 Min Tr	• Name: sdhStatRxMSFEEB15MinTr • selectable: no • Value: 319
Rx MSFEES 1 Day Tr	• Name: sdhStatRxMSFEES1DayTr • selectable: no • Value: 324
Rx MSFEES 15 Min Rtr	• Name: sdhStatRxMSFEES15MinRtr • selectable: no • Value: 328
Rx MSFEES 15 Min Tr	• Name: sdhStatRxMSFEES15MinTr • selectable: no • Value: 320
Rx MSFESES 1 Day Tr	• Name: sdhStatRxMSFESES1DayTr • selectable: no • Value: 325
Rx MSFESES 15 Min Rtr	• Name: sdhStatRxMSFESES15MinRtr • selectable: no • Value: 329
Rx MSFESES 15 Min Tr	• Name: sdhStatRxMSFESES15MinTr • selectable: no • Value: 321

(8 of 26)

Name	Value
Rx MSFEUAS 1 Day Tr	• Name: sdhStatRxMSFEUAS1DayTr • selectable: no • Value: 326
Rx MSFEUAS 15 Min Rtr	• Name: sdhStatRxMSFEUAS15MinRtr • selectable: no • Value: 330
Rx MSFEUAS 15 Min Tr	• Name: sdhStatRxMSFEUAS15MinTr • selectable: no • Value: 322
Rx MSSES 1 Day Tr	• Name: sdhStatRxMSSES1DayTr • selectable: no • Value: 288
Rx MSSES 15 Min Rtr	• Name: sdhStatRxMSSES15MinRtr • selectable: no • Value: 304
Rx MSSES 15 Min Tr	• Name: sdhStatRxMSSES15MinTr • selectable: no • Value: 272
Rx MSSES	• Name: sdhStatRxMSSES • selectable: no • Value: 256
Rx MSUAS 1 Day Tr	• Name: sdhStatRxMSUAS1DayTr • selectable: no • Value: 289
Rx MSUAS 15 Min Rtr	• Name: sdhStatRxMSUAS15MinRtr • selectable: no • Value: 305
Rx MSUAS 15 Min Tr	• Name: sdhStatRxMSUAS15MinTr • selectable: no • Value: 273
Rx MSUAS	• Name: sdhStatRxMSUAS • selectable: no • Value: 257
Rx Multicast Packets	• Name: etherStatRxMcastPkts • selectable: no • Value: 405
Rx Octets	• Name: etherStatRxOctets • selectable: no • Value: 402
Rx Oversized Packets	• Name: etherStatRxOversizedPkts • selectable: no • Value: 408
Rx Packet Error Ratio 1 Day Tr	• Name: etherStatRxPktErrRatio1DayTr • selectable: no • Value: 441

(9 of 26)

Name	Value
Rx Packet Error Ratio 15 Min Rtr	• Name: etherStatRxPktErrRatio15MinRtr • selectable: no • Value: 443
Rx Packet Error Ratio 15 Min Tr	• Name: etherStatRxPktErrRatio15MinTr • selectable: no • Value: 439
Rx Packet Error Ratio	• Name: etherStatRxPktErrRatio • selectable: no • Value: 419
Rx Packets Sized 1024 To 1518 Bytes	• Name: etherStatRxPktsSize1024to1518 • selectable: no • Value: 417
Rx Packets Sized 128 To 255 Bytes	• Name: etherStatRxPktsSize128to255 • selectable: no • Value: 414
Rx Packets Sized 256 To 511 Bytes	• Name: etherStatRxPktsSize256to511 • selectable: no • Value: 415
Rx Packets Sized 512 To 1023 Bytes	• Name: etherStatRxPktsSize512to1023 • selectable: no • Value: 416
Rx Packets Sized 64 Bytes	• Name: etherStatRxPktsSize64 • selectable: no • Value: 412
Rx Packets Sized 65 To 127 Bytes	• Name: etherStatRxPktsSize65to127 • selectable: no • Value: 413
Rx Packets	• Name: etherStatRxPkts • selectable: no • Value: 403
Rx PM BIP8 Error 1 Day Tr	• Name: dw64BitStatRxPMBIP8ErrCnt1DayTr • selectable: no • Value: 44
Rx PM BIP8 Error 15 Min Rtr	• Name: dw64BitStatRxPMBIP8ErrCnt15MinRtr • selectable: no • Value: 54
Rx PM BIP8 Error 15 Min Tr	• Name: dw64BitStatRxPMBIP8ErrCnt15MinTr • selectable: no • Value: 34
Rx PM BIP8 Error Count	• Name: dw64BitStatRxPMBIP8ErrCnt • selectable: no • Value: 24
Rx PM ES 1 Day Tr	• Name: dw64BitStatRxPMES1DayTr • selectable: no • Value: 46

(10 of 26)

Name	Value
Rx PM ES 15 Min Rtr	• Name: dw64BitStatRxPMES15MinRtr • selectable: no • Value: 56
Rx PM ES 15 Min Tr	• Name: dw64BitStatRxPMES15MinTr • selectable: no • Value: 36
Rx PM ES	• Name: dw64BitStatRxPMES • selectable: no • Value: 26
Rx PM FE BIP8 Error 1 Day Tr	• Name: dwRxPMFEBIP8ErrCnt1DayTr • selectable: no • Value: 86
Rx PM FE BIP8 Error 15 Min Rtr	• Name: dwRxPMFEBIP8ErrCnt15MinRtr • selectable: no • Value: 98
Rx PM FE BIP8 Error 15 Min Tr	• Name: dwRxPMFEBIP8ErrCnt15MinTr • selectable: no • Value: 74
Rx PM FE BIP8 Error Count	• Name: dw64BitStatRxPMFEBIP8ErrCnt • selectable: no • Value: 64
Rx PM FE ES 1 Day Tr	• Name: dwRxPMFEES1DayTr • selectable: no • Value: 88
Rx PM FE ES 15 Min Rtr	• Name: dwRxPMFEES15MinRtr • selectable: no • Value: 100
Rx PM FE ES 15 Min Tr	• Name: dwRxPMFEES15MinTr • selectable: no • Value: 76
Rx PM FE SES 1 Day Tr	• Name: dwRxPMFESES1DayTr • selectable: no • Value: 90
Rx PM FE SES 15 Min Rtr	• Name: dwRxPMFESES15MinRtr • selectable: no • Value: 102
Rx PM FE SES 15 Min Tr	• Name: dwRxPMFESES15MinTr • selectable: no • Value: 78
Rx PM FE UAS 1 Day Tr	• Name: dwRxPMFEUAS1DayTr • selectable: no • Value: 92
Rx PM FE UAS 15 Min Rtr	• Name: dwRxPMFEUAS15MinRtr • selectable: no • Value: 104

(11 of 26)

Name	Value
Rx PM FE UAS 15 Min Tr	• Name: dwRxPMFEUAS15MinTr • selectable: no • Value: 80
Rx PM FE UAS	• Name: dw64BitStatRxPMFEUAS • selectable: no • Value: 72
Rx PM FEES	• Name: dw64BitStatRxPMFEES • selectable: no • Value: 68
Rx PM FES ES	• Name: dw64BitStatRxPMFESES • selectable: no • Value: 70
Rx PM SES 1 Day Tr	• Name: dw64BitStatRxPMSES1DayTr • selectable: no • Value: 48
Rx PM SES 15 Min Tr	• Name: dw64BitStatRxPMSES15MinTr • selectable: no • Value: 38
Rx PM SES	• Name: dw64BitStatRxPMSES • selectable: no • Value: 28
Rx PM UAS 1 Day Tr	• Name: dw64BitStatRxPMUAS1DayTr • selectable: no • Value: 50
Rx PM UAS 15 Min Rtr	• Name: dw64BitStatRxPMUAS15MinRtr • selectable: no • Value: 60
Rx PM UAS 15 Min Tr	• Name: dw64BitStatRxPMUAS15MinTr • selectable: no • Value: 40
Rx PM UAS	• Name: dw64BitStatRxPMUAS • selectable: no • Value: 30
Rx PMS ES 15 Min Rtr	• Name: dw64BitStatRxPMSES15MinRtr • selectable: no • Value: 58
Rx RS Corrected 1 Day Tr	• Name: dw64BitStatRxRSCorrCnt1DayTr • selectable: no • Value: 41
Rx RS Corrected 15 Min Rtr	• Name: dw64BitStatRxRSCorrCnt15MinRtr • selectable: no • Value: 51
Rx RS Corrected 15 Min Tr	• Name: dw64BitStatRxRSCorrCnt15MinTr • selectable: no • Value: 31

(12 of 26)

Name	Value
Rx RS Corrected Count	• Name: dw64BitStatRxRSCorrCnt • selectable: no • Value: 21
Rx RS Uncorrected 1 Day Tr	• Name: dw64BitStatRxRSUncorrCnt1DayTr • selectable: no • Value: 42
Rx RS UnCorrected 15 Min Rtr	• Name: dw64BitStatRxRSUncorrCnt15MinRtr • selectable: no • Value: 52
Rx RS Uncorrected 15 Min Tr	• Name: dw64BitStatRxRSUncorrCnt15MinTr • selectable: no • Value: 32
Rx RS Uncorrected Count	• Name: dw64BitStatRxRSUncorrCnt • selectable: no • Value: 22
Rx RSEB 1 Day Tr	• Name: sdhStatRxRSEB1DayTr • selectable: no • Value: 283
Rx RSEB 15 Min Rtr	• Name: sdhStatRxRSEB15MinRtr • selectable: no • Value: 299
Rx RSEB 15 Min Tr	• Name: sdhStatRxRSEB15MinTr • selectable: no • Value: 267
Rx RSEB	• Name: sdhStatRxRSEB • selectable: no • Value: 251
Rx RSES 1 Day Tr	• Name: sdhStatRxRSES1DayTr • selectable: no • Value: 284
Rx RSES 15 Min Rtr	• Name: sdhStatRxRSES15MinRtr • selectable: no • Value: 300
Rx RSES 15 Min Tr	• Name: sdhStatRxRSES15MinTr • selectable: no • Value: 268
Rx RSES	• Name: sdhStatRxRSES • selectable: no • Value: 252
Rx RSSES 1 Day Tr	• Name: sdhStatRxRSSES1DayTr • selectable: no • Value: 285
Rx RSSES 15 Min Rtr	• Name: sdhStatRxRSSES15MinRtr • selectable: no • Value: 301

(13 of 26)

Name	Value
Rx RSSES 15 Min Tr	• Name: sdhStatRxRSSES15MinTr • selectable: no • Value: 269
Rx RSSES	• Name: sdhStatRxRSSES • selectable: no • Value: 253
Rx RSUAS 1 Day Tr	• Name: sdhStatRxRSUAS1DayTr • selectable: no • Value: 297
Rx RSUAS 15 Min Rtr	• Name: sdhStatRxRSUAS15MinRtr • selectable: no • Value: 313
Rx RSUAS 15 Min Tr	• Name: sdhStatRxRSUAS15MinTr • selectable: no • Value: 281
Rx RSUAS	• Name: sdhStatRxRSUAS • selectable: no • Value: 265
Rx SEFS 1 Day Tr	• Name: phyCodeSublayerStatRxSEFS1DayTr • selectable: no • Value: 220
Rx SEFS 15 Min Rtr	• Name: phyCodeSublayerStatRxSEFS15MinRtr • selectable: no • Value: 228
Rx SEFS 15 Min Tr	• Name: phyCodeSublayerStatRxSEFS15MinTr • selectable: no • Value: 212
Rx SEFS	• Name: phyCodeSublayerStatRxSEFS • selectable: no • Value: 204
Rx SEFSS 1 Day Tr	• Name: sonetStatRxSEFSS1DayTr • selectable: no • Value: 544
Rx SEFSS 15 Min Rtr	• Name: sonetStatRxSEFSS15MinRtr • selectable: no • Value: 564
Rx SEFSS 15 Min Tr	• Name: sonetStatRxSEFSS15MinTr • selectable: no • Value: 524
Rx SEFSS	• Name: sonetStatRxSEFSS • selectable: no • Value: 504
Rx SES 1 Day Tr	• Name: phyCodeSublayerStatRxSES1DayTr • selectable: no • Value: 219

(14 of 26)

Name	Value
Rx SES 15 Min Rtr	• Name: phyCodeSublayerStatRxSES15MinRtr • selectable: no • Value: 227
Rx SES 15 Min Tr	• Name: phyCodeSublayerStatRxSES15MinTr • selectable: no • Value: 211
Rx SES	• Name: phyCodeSublayerStatRxSES • selectable: no • Value: 203
Rx SESL 1 Day Tr	• Name: sonetStatRxSESL1DayTr • selectable: no • Value: 547
Rx SESL 15 Min Rtr	• Name: sonetStatRxSESL15MinRtr • selectable: no • Value: 567
Rx SESL 15 Min Tr	• Name: sonetStatRxSESL15MinTr • selectable: no • Value: 527
Rx SESL	• Name: sonetStatRxSESL • selectable: no • Value: 507
Rx SESS 1 Day Tr	• Name: sonetStatRxSESS1DayTr • selectable: no • Value: 543
Rx SESS 15 Min Rtr	• Name: sonetStatRxSESS15MinRtr • selectable: no • Value: 563
Rx SESS 15 Min Tr	• Name: sonetStatRxSESS15MinTr • selectable: no • Value: 523
Rx SESS	• Name: sonetStatRxSESS • selectable: no • Value: 503
Rx SM BIA ES Error Count	• Name: dw64BitStatRxSMBIAESErrCnt • selectable: no • Value: 65
Rx SM BIAES 1 Day Tr	• Name: dwRxSMBIAES1DayTr • selectable: no • Value: 93
Rx SM BIAES 15 Min Rtr	• Name: dwRxSMBIAES15MinRtr • selectable: no • Value: 105
Rx SM BIAES 15 Min Tr	• Name: dwRxSMBIAES15MinTr • selectable: no • Value: 81

(15 of 26)

Name	Value
Rx SM BIP8 Error 1 Day Tr	• Name: dw64BitStatRxSMBIP8ErrCnt1DayTr • selectable: no • Value: 43
Rx SM BIP8 Error 15 Min Rtr	• Name: dw64BitStatRxSMBIP8ErrCnt15MinRtr • selectable: no • Value: 53
Rx SM BIP8 Error 15 Min Tr	• Name: dw64BitStatRxSMBIP8ErrCnt15MinTr • selectable: no • Value: 33
Rx SM BIP8 Error Count	• Name: dw64BitStatRxSMBIP8ErrCnt • selectable: no • Value: 23
Rx SM ES 1 Day Tr	• Name: dw64BitStatRxSMES1DayTr • selectable: no • Value: 45
Rx SM ES 15 Min Rtr	• Name: dw64BitStatRxSMES15MinRtr • selectable: no • Value: 55
Rx SM ES 15 Min Tr	• Name: dw64BitStatRxSMES15MinTr • selectable: no • Value: 35
Rx SM ES	• Name: dw64BitStatRxSMES • selectable: no • Value: 25
Rx SM FE BIP8 Error 1 Day Tr	• Name: dwRxSMFEBIP8ErrCnt1DayTr • selectable: no • Value: 85
Rx SM FE BIP8 Error 15 Min Rtr	• Name: dwRxSMFEBIP8ErrCnt15MinRtr • selectable: no • Value: 97
Rx SM FE BIP8 Error 15 Min Tr	• Name: dwRxSMFEBIP8ErrCnt15MinTr • selectable: no • Value: 73
Rx SM FE BIP8 Error Count	• Name: dw64BitStatRxSMFEBIP8ErrCnt • selectable: no • Value: 63
Rx SM FE ES 1 Day Tr	• Name: dwRxSMFEES1DayTr • selectable: no • Value: 87
Rx SM FE ES 15 Min Rtr	• Name: dwRxSMFEES15MinRtr • selectable: no • Value: 99
Rx SM FE ES 15 Min Tr	• Name: dwRxSMFEES15MinTr • selectable: no • Value: 75

(16 of 26)

Name	Value
Rx SM FE SES 1 Day Tr	• Name: dwRxSMFESES1DayTr • selectable: no • Value: 89
Rx SM FE SES 15 Min Rtr	• Name: dwRxSMFESES15MinRtr • selectable: no • Value: 101
Rx SM FE SES 15 Min Tr	• Name: dwRxSMFESES15MinTr • selectable: no • Value: 77
Rx SM FE UAS 1 Day Tr	• Name: dwRxSMFEUAS1DayTr • selectable: no • Value: 91
Rx SM FE UAS 15 Min Rtr	• Name: dwRxSMFEUAS15MinRtr • selectable: no • Value: 103
Rx SM FE UAS 15 Min Tr	• Name: dwRxSMFEUAS15MinTr • selectable: no • Value: 79
Rx SM FE UAS	• Name: dw64BitStatRxSMFEUAS • selectable: no • Value: 71
Rx SM FEES	• Name: dw64BitStatRxSMFEES • selectable: no • Value: 67
Rx SM FES ES	• Name: dw64BitStatRxSMFESES • selectable: no • Value: 69
Rx SM IAES 1 Day Tr	• Name: dwRxSMIAES1DayTr • selectable: no • Value: 94
Rx SM IAES 15 Min Rtr	• Name: dwRxSMIAES15MinRtr • selectable: no • Value: 106
Rx SM IAES 15 Min Tr	• Name: dwRxSMIAES15MinTr • selectable: no • Value: 82
Rx SM IAES Error Count	• Name: dw64BitStatRxSMIAESErrCnt • selectable: no • Value: 66
Rx SM SES 1 Day Tr	• Name: dw64BitStatRxSMSES1DayTr • selectable: no • Value: 47
Rx SM SES 15 Min Tr	• Name: dw64BitStatRxSMSES15MinTr • selectable: no • Value: 37

(17 of 26)

Name	Value
Rx SM SES	• Name: dw64BitStatRxSMSES • selectable: no • Value: 27
Rx SM UAS 1 Day Tr	• Name: dw64BitStatRxSMUAS1DayTr • selectable: no • Value: 49
Rx SM UAS 15 Min Rtr	• Name: dw64BitStatRxSMUAS15MinRtr • selectable: no • Value: 59
Rx SM UAS 15 Min Tr	• Name: dw64BitStatRxSMUAS15MinTr • selectable: no • Value: 39
Rx SM UAS	• Name: dw64BitStatRxSMUAS • selectable: no • Value: 29
Rx SMS ES 15 Min Rtr	• Name: dw64BitStatRxSMSES15MinRtr • selectable: no • Value: 57
Rx UASL 1 Day Tr	• Name: sonetStatRxUASL1DayTr • selectable: no • Value: 548
Rx UASL 15 Min Rtr	• Name: sonetStatRxUASL15MinRtr • selectable: no • Value: 568
Rx UASL 15 Min Tr	• Name: sonetStatRxUASL15MinTr • selectable: no • Value: 528
Rx UASL	• Name: sonetStatRxUASL • selectable: no • Value: 508
Rx UASS 1 Day Tr	• Name: sonetStatRxUASS1DayTr • selectable: no • Value: 559
Rx UASS 15 Min Rtr	• Name: sonetStatRxUASS15MinRtr • selectable: no • Value: 579
Rx UASS 15 Min Tr	• Name: sonetStatRxUASS15MinTr • selectable: no • Value: 539
Rx UASS	• Name: sonetStatRxUASS • selectable: no • Value: 519
Rx Undersized Packets	• Name: etherStatRxUndersizedPkts • selectable: no • Value: 407

(18 of 26)

Name	Value
Tx Broadcast Packets	• Name: etherStatTxBcastPkts • selectable: no • Value: 423
Tx Collisions	• Name: etherStatTxCollisions • selectable: no • Value: 430
Tx CRC Alignment Errors	• Name: etherStatTxCrcAlignErrs • selectable: no • Value: 425
Tx CV 1 Day Tr	• Name: phyCodeSublayerStatTxCV1DayTr • selectable: no • Value: 221
Tx CV 15 Min Rtr	• Name: phyCodeSublayerStatTxCV15MinRtr • selectable: no • Value: 229
Tx CV 15 Min Tr	• Name: phyCodeSublayerStatTxCV15MinTr • selectable: no • Value: 213
Tx CV	• Name: phyCodeSublayerStatTxCV • selectable: no • Value: 205
Tx CVL 1 Day Tr	• Name: sonetStatTxCVL1DayTr • selectable: no • Value: 554
Tx CVL 15 Min Rtr	• Name: sonetStatTxCVL15MinRtr • selectable: no • Value: 574
Tx CVL 15 Min Tr	• Name: sonetStatTxCVL15MinTr • selectable: no • Value: 534
Tx CVL	• Name: sonetStatTxCVL • selectable: no • Value: 514
Tx CVS 1 Day Tr	• Name: sonetStatTxCVS1DayTr • selectable: no • Value: 550
Tx CVS 15 Min Rtr	• Name: sonetStatTxCVS15MinRtr • selectable: no • Value: 570
Tx CVS 15 Min Tr	• Name: sonetStatTxCVS15MinTr • selectable: no • Value: 530
Tx CVS	• Name: sonetStatTxCVS • selectable: no • Value: 510

(19 of 26)

Name	Value
Tx Drop Events	• Name: etherStatTxDropEvents • selectable: no • Value: 420
Tx ES 1 Day Tr	• Name: phyCodeSublayerStatTxES1DayTr • selectable: no • Value: 222
Tx ES 15 Min Rtr	• Name: phyCodeSublayerStatTxES15MinRtr • selectable: no • Value: 230
Tx ES 15 Min Tr	• Name: phyCodeSublayerStatTxES15MinTr • selectable: no • Value: 214
Tx ES	• Name: phyCodeSublayerStatTxES • selectable: no • Value: 206
Tx ESL 1 Day Tr	• Name: sonetStatTxESL1DayTr • selectable: no • Value: 555
Tx ESL 15 Min Rtr	• Name: sonetStatTxESL15MinRtr • selectable: no • Value: 575
Tx ESL 15 Min Tr	• Name: sonetStatTxESL15MinTr • selectable: no • Value: 535
Tx ESL	• Name: sonetStatTxESL • selectable: no • Value: 515
Tx ESS 1 Day Tr	• Name: sonetStatTxESS1DayTr • selectable: no • Value: 551
Tx ESS 15 Min Rtr	• Name: sonetStatTxESS15MinRtr • selectable: no • Value: 571
Tx ESS 15 Min Tr	• Name: sonetStatTxESS15MinTr • selectable: no • Value: 531
Tx ESS	• Name: sonetStatTxESS • selectable: no • Value: 511
Tx FCL 1 Day Tr	• Name: sonetStatTxFCL1DayTr • selectable: no • Value: 558
Tx FCL 15 Min Rtr	• Name: sonetStatTxFCL15MinRtr • selectable: no • Value: 578

(20 of 26)

Name	Value
Tx FCL 15 Min Tr	• Name: sonetStatTxFCL15MinTr • selectable: no • Value: 538
Tx FCL	• Name: sonetStatTxFCL • selectable: no • Value: 518
Tx Fragments	• Name: etherStatTxFragments • selectable: no • Value: 428
Tx Jabbers	• Name: etherStatTxJabbers • selectable: no • Value: 429
Tx Jumbo Packets	• Name: etherStatTxJumboPkts • selectable: no • Value: 437
Tx MSEB 1 Day Tr	• Name: sdhStatTxMSEB1DayTr • selectable: no • Value: 293
Tx MSEB 15 Min Rtr	• Name: sdhStatTxMSEB15MinRtr • selectable: no • Value: 309
Tx MSEB 15 Min Tr	• Name: sdhStatTxMSEB15MinTr • selectable: no • Value: 277
Tx MSEB	• Name: sdhStatTxMSEB • selectable: no • Value: 261
Tx MSES 1 Day Tr	• Name: sdhStatTxMSES1DayTr • selectable: no • Value: 294
Tx MSES 15 Min Rtr	• Name: sdhStatTxMSES15MinRtr • selectable: no • Value: 310
Tx MSES 15 Min Tr	• Name: sdhStatTxMSES15MinTr • selectable: no • Value: 278
Tx MSES	• Name: sdhStatTxMSES • selectable: no • Value: 262
Tx MSSES 1 Day Tr	• Name: sdhStatTxMSSES1DayTr • selectable: no • Value: 295
Tx MSSES 15 Min Rtr	• Name: sdhStatTxMSSES15MinRtr • selectable: no • Value: 311

(21 of 26)

Name	Value
Tx MSSES 15 Min Tr	• Name: sdhStatTxMSSES15MinTr • selectable: no • Value: 279
Tx MSSES	• Name: sdhStatTxMSSES • selectable: no • Value: 263
Tx MSUAS 1 Day Tr	• Name: sdhStatTxMSUAS1DayTr • selectable: no • Value: 296
Tx MSUAS 15 Min Rtr	• Name: sdhStatTxMSUAS15MinRtr • selectable: no • Value: 312
Tx MSUAS 15 Min Tr	• Name: sdhStatTxMSUAS15MinTr • selectable: no • Value: 280
Tx MSUAS	• Name: sdhStatTxMSUAS • selectable: no • Value: 264
Tx Multicast Packets	• Name: etherStatTxMcastPkts • selectable: no • Value: 424
Tx Octets	• Name: etherStatTxOctets • selectable: no • Value: 421
Tx Oversized Packets	• Name: etherStatTxOversizedPkts • selectable: no • Value: 427
Tx Packet Error Ratio 1 Day Tr	• Name: etherStatTxPktErrRatio1DayTr • selectable: no • Value: 442
Tx Packet Error Ratio 15 Min Rtr	• Name: etherStatTxPktErrRatio15MinRtr • selectable: no • Value: 444
Tx Packet Error Ratio 15 Min Tr	• Name: etherStatTxPktErrRatio15MinTr • selectable: no • Value: 440
Tx Packet Error Ratio	• Name: etherStatTxPktErrRatio • selectable: no • Value: 438
Tx Packets Sized 1024 To 1518 Bytes	• Name: etherStatTxPktsSize1024to1518 • selectable: no • Value: 436
Tx Packets Sized 128 To 255 Bytes	• Name: etherStatTxPktsSize128to255 • selectable: no • Value: 433

(22 of 26)

Name	Value
Tx Packets Sized 256 To 511 Bytes	• Name: etherStatTxPktsSize256to511 • selectable: no • Value: 434
Tx Packets Sized 512 To 1023 Bytes	• Name: etherStatTxPktsSize512to1023 • selectable: no • Value: 435
Tx Packets Sized 64 Bytes	• Name: etherStatTxPktsSize64 • selectable: no • Value: 431
Tx Packets Sized 65 To 127 Bytes	• Name: etherStatTxPktsSize65to127 • selectable: no • Value: 432
Tx Packets	• Name: etherStatTxPkts • selectable: no • Value: 422
Tx RSEB 1 Day Tr	• Name: sdhStatTxRSEB1DayTr • selectable: no • Value: 290
Tx RSEB 15 Min Rtr	• Name: sdhStatTxRSEB15MinRtr • selectable: no • Value: 306
Tx RSEB 15 Min Tr	• Name: sdhStatTxRSEB15MinTr • selectable: no • Value: 274
Tx RSEB	• Name: sdhStatTxRSEB • selectable: no • Value: 258
Tx RSES 1 Day Tr	• Name: sdhStatTxRSES1DayTr • selectable: no • Value: 291
Tx RSES 15 Min Rtr	• Name: sdhStatTxRSES15MinRtr • selectable: no • Value: 307
Tx RSES 15 Min Tr	• Name: sdhStatTxRSES15MinTr • selectable: no • Value: 275
Tx RSES	• Name: sdhStatTxRSES • selectable: no • Value: 259
Tx RSSES 1 Day Tr	• Name: sdhStatTxRSSES1DayTr • selectable: no • Value: 292
Tx RSSES 15 Min Rtr	• Name: sdhStatTxRSSES15MinRtr • selectable: no • Value: 308

(23 of 26)

Name	Value
Tx RSSES 15 Min Tr	• Name: sdhStatTxRSSES15MinTr • selectable: no • Value: 276
Tx RSSES	• Name: sdhStatTxRSSES • selectable: no • Value: 260
Tx RSUAS 1 Day Tr	• Name: sdhStatTxRSUAS1DayTr • selectable: no • Value: 298
Tx RSUAS 15 Min Rtr	• Name: sdhStatTxRSUAS15MinRtr • selectable: no • Value: 314
Tx RSUAS 15 Min Tr	• Name: sdhStatTxRSUAS15MinTr • selectable: no • Value: 282
Tx RSUAS	• Name: sdhStatTxRSUAS • selectable: no • Value: 266
Tx SEFS 1 Day Tr	• Name: phyCodeSublayerStatTxSEFS1DayTr • selectable: no • Value: 224
Tx SEFS 15 Min Rtr	• Name: phyCodeSublayerStatTxSEFS15MinRtr • selectable: no • Value: 232
Tx SEFS 15 Min Tr	• Name: phyCodeSublayerStatTxSEFS15MinTr • selectable: no • Value: 216
Tx SEFS	• Name: phyCodeSublayerStatTxSEFS • selectable: no • Value: 208
Tx SEFSS 1 Day Tr	• Name: sonetStatTxSEFSS1DayTr • selectable: no • Value: 553
Tx SEFSS 15 Min Rtr	• Name: sonetStatTxSEFSS15MinRtr • selectable: no • Value: 573
Tx SEFSS 15 Min Tr	• Name: sonetStatTxSEFSS15MinTr • selectable: no • Value: 533
Tx SEFSS	• Name: sonetStatTxSEFSS • selectable: no • Value: 513
Tx SES 1 Day Tr	• Name: phyCodeSublayerStatTxSES1DayTr • selectable: no • Value: 223

(24 of 26)

Name	Value
Tx SES 15 Min Rtr	• Name: phyCodeSublayerStatTxSES15MinRtr • selectable: no • Value: 231
Tx SES 15 Min Tr	• Name: phyCodeSublayerStatTxSES15MinTr • selectable: no • Value: 215
Tx SES	• Name: phyCodeSublayerStatTxSES • selectable: no • Value: 207
Tx SESL 1 Day Tr	• Name: sonetStatTxSESL1DayTr • selectable: no • Value: 556
Tx SESL 15 Min Rtr	• Name: sonetStatTxSESL15MinRtr • selectable: no • Value: 576
Tx SESL 15 Min Tr	• Name: sonetStatTxSESL15MinTr • selectable: no • Value: 536
Tx SESL	• Name: sonetStatTxSESL • selectable: no • Value: 516
Tx SESS 1 Day Tr	• Name: sonetStatTxSESS1DayTr • selectable: no • Value: 552
Tx SESS 15 Min Rtr	• Name: sonetStatTxSESS15MinRtr • selectable: no • Value: 572
Tx SESS 15 Min Tr	• Name: sonetStatTxSESS15MinTr • selectable: no • Value: 532
Tx SESS	• Name: sonetStatTxSESS • selectable: no • Value: 512
Tx UASL 1 Day Tr	• Name: sonetStatTxUASL1DayTr • selectable: no • Value: 557
Tx UASL 15 Min Rtr	• Name: sonetStatTxUASL15MinRtr • selectable: no • Value: 577
Tx UASL 15 Min Tr	• Name: sonetStatTxUASL15MinTr • selectable: no • Value: 537
Tx UASL	• Name: sonetStatTxUASL • selectable: no • Value: 517

(25 of 26)

Name	Value
Tx UASS 1 Day Tr	• Name: sonetStatTxUASS1DayTr • selectable: no • Value: 560
Tx UASS 15 Min Rtr	• Name: sonetStatTxUASS15MinRtr • selectable: no • Value: 580
Tx UASS 15 Min Tr	• Name: sonetStatTxUASS15MinTr • selectable: no • Value: 540
Tx UASS	• Name: sonetStatTxUASS • selectable: no • Value: 520
Tx Undersized Packets	• Name: etherStatTxUndersizedPkts • selectable: no • Value: 426

(26 of 26)

Table 54-3 TCAProfileType

Name	Value
Card	• Name: card • Value: 5
CD	• Name: cd • Value: 16
DGD	• Name: dgd • Value: 17
Digital Wrapper	• Name: dw • Value: 13
Ethernet	• Name: ethernet • Value: 1
FOFF	• Name: foff • Value: 21
Interface	• Name: interface • Value: 9
OPIN	• Name: opticalDcPwrIn • Value: 4
OPOCHIN	• Name: opticalWtPwrIn • Value: 10
OPOCHOUT	• Name: opticalWtPwrOut • Value: 8
OPOUT	• Name: opticalDcPwrOut • Value: 12
OPR	• Name: opticalDcPwrRx • Value: 7

(1 of 2)

Name	Value
OPT	• Name: opticalDcPwrTx • Value: 6
Physical Code Sublayer	• Name: pcs • Value: 20
PreFEC Bits	• Name: preFecBits • Value: 23
SDH	• Name: sdh • Value: 33
SONET	• Name: sonet • Value: 3

(2 of 2)

55 — Optical types

Table 55-1 opticaltypes parameters

Parameters	
AcceptPowers	FecMode
AlarmReportingControl	FiberType
ApsDirection	PortOperatingMode
ApsMemberSwitch	PortSignalDegradeThreshold
ApsMode	PortSignalFailThreshold
ApsRevertMode	PowerMgmtType
AssignedRate	ProtectionState
CardFunctionMode	ProtectionType
CardRateMode	QinQTPId
CbsAndEbsRate	RedistributeEnabled
CirAndEirRate	RoutingState
ConstraintElementType	RowStatus
ConstraintType	RsMonSigMode
Container	RsMonTimod
CrossRegPartner	ServiceDirection
Direction	SfcCardFiberMode
DisabledEnabled	SitePosition
Duplex	SnmpSource
EnableDisable	SubRateVtsMap
FanSpeed	SupportedDirection
FcMode	SwitchRequestTypes
FeaturePauseFlowControl	SyncPort

(1 of 2)

Parameters	
GccChannelType	PortFiberType
GccPacketType	PortLosMode
HdsdiRate	SyncPriority
IfType	TempUnits
IntervalType	TermPointPosition
ITUChannel	ThresholdCalcControl
LEDColorType	TimDetectionMode
LEDStateType	TimingReference
LinePortNo	TransmissionMode
LinkSpeed	TransportServiceMode
LosPropagation	TrapCategory
MappingMode	TrapCondition
MsmonSDTH	TrapEntityType
MsmonSFTH	TraversalType
OchConsequenceAction	VTSClsMode
OpticalLinkDirectionType	VtsConnAdminAndOperState
OpticalPortType	VTSDirection
OscMode	VtsSource
OtuRate	WavekeySelect
PerformCommand	WtdUsageType
PortAprHoldOffTime	XcState
PortDirection	XfpType

(2 of 2)

Table 55-2 AcceptPowers

Name	Value
	• Name: azBoth • Value: 6
	• Name: noCmd • Value: 1
	• Name: zaBoth • Value: 7

Table 55-3 AlarmReportingControl

Name	Value
Indefinite Inhibition	• Name: indefiniteInhibition • Value: 3
Released	• Name: released • Value: 2

Table 55-4 ApsDirection

Name	Value
Bidirectional	• Name: bidirectional • Value: 2
Unidirectional	• Name: unidirectional • Value: 1

Table 55-5 ApsMemberSwitch

Name	Value
Clear	• Name: clear • Value: 2
Forced Switch To Protection	• Name: forcedSwitchWorkToProtect • Value: 4
Forced Switch To Working	• Name: forcedSwitchProtectToWork • Value: 5
Manual Switch To Protection	• Name: manualSwitchWorkToProtect • Value: 6
Manual Switch To Working	• Name: manualSwitchProtectToWork • Value: 7
No Cmd	• Name: noCmd • Value: 1
Protection Lockout	• Name: lockoutOfProtection • Value: 3

Table 55-6 ApsMode

Name	Value
1 + 1 ESNCP	• Name: onePlusOneESNCP • Value: 5
1 + 1 OPS	• Name: onePlusOne • Value: 3
1 + 1 Optical Splitter	• Name: onePlusOneOpticalSplitter • Value: 4
1 for 1	• Name: oneForOne • Value: 2
Unprotected	• Name: unprotected • Value: 1

Table 55-7 ApsRevertMode

Name	Value
Non Revertive	• Name: nonrevertive • Value: 1
Revertive	• Name: revertive • Value: 2

Table 55-8 AssignedRate

Name	Value
100GbE	• Name: hundredGige • order: 3 • Value: 36
10GbE	• Name: tenGige • order: 2 • Value: 13
1GbE	• Name: gige • order: 1 • Value: 12
CBR10G	• Name: cbr10g • order: 5 • Value: 23
CBR2G5	• Name: cbr2g5 • order: 4 • Value: 22
Default	• Name: default • order: 6 • Value: 2
DVBASI	• Name: dvbAsi • order: 7 • Value: 29
DVI 6000	• Name: dvi6000 • order: 8 • Value: 30
ESCON	• Name: esCon • order: 9 • Value: 28
FC100	• Name: fc1g • order: 10 • Value: 18
FC10G	• Name: fc10g • order: 14 • Value: 21

(1 of 3)

Name	Value
FC200	• Name: fc2g • order: 11 • Value: 19
FC400	• Name: fc4g • order: 12 • Value: 20
FC8G	• Name: fc8g • order: 13 • Value: 35
FDDI	• Name: fddi • order: 15 • Value: 27
FE	• Name: fe • order: 16 • Value: 26
HDSDI	• Name: hdSdi • order: 17 • Value: 25
OC12	• Name: oc12 • order: 19 • Value: 5
OC192	• Name: oc192 • order: 21 • Value: 7
OC3	• Name: oc3 • order: 18 • Value: 4
OC48	• Name: oc48 • order: 20 • Value: 6
OC768	• Name: oc768 • order: 22 • Value: 32
OCH	• Name: och • order: 23 • Value: 9
OTS	• Name: ots • order: 24 • Value: 8
OTU1	• Name: otu1 • order: 25 • Value: 10
OTU2	• Name: otu2 • order: 26 • Value: 11

(2 of 3)

Name	Value
OTU3	• Name: otu3 • order: 27 • Value: 31
OTU4	• Name: otu4 • order: 28 • Value: 34
SDSDI	• Name: sdsdi • order: 29 • Value: 37
STM16	• Name: stm16 • order: 32 • Value: 16
STM1	• Name: stm1 • order: 30 • Value: 14
STM256	• Name: stm256 • order: 34 • Value: 33
STM4	• Name: stm4 • order: 31 • Value: 15
STM64	• Name: stm64 • order: 33 • Value: 17
SubGigE	• Name: subGigE • order: 35 • Value: 1001
Unassigned	• Name: unassigned • order: 36 • Value: 1
Unknown	• Name: unknown • order: 37 • Value: 3

(3 of 3)

Table 55-9 CardFunctionMode

Name	Value
DualTran	• Name: dualtran • Value: 2
FlexMux	• Name: flexmux • Value: 1

Table 55-10 CardRateMode

Name	Value
FullRate	• Name: fullrate • Value: 1
QinQ	• Name: qinq • Value: 3
SubRate	• Name: subrate • Value: 2

Table 55-11 CbsAndEbsRate

Name	Value
1024	• Name: 1024 • order: 7 • Value: 1024
128	• Name: 128 • order: 4 • Value: 128
16384	• Name: 16384 • order: 11 • Value: 16384
16	• Name: 16 • order: 1 • Value: 16
2048	• Name: 2048 • order: 8 • Value: 2048
256	• Name: 256 • order: 5 • Value: 256
32	• Name: 32 • order: 2 • Value: 32
4096	• Name: 4096 • order: 9 • Value: 4096
512	• Name: 512 • order: 6 • Value: 512
64	• Name: 64 • order: 3 • Value: 64
8192	• Name: 8192 • order: 10 • Value: 8192

Table 55-12 CirAndEirRate

Name	Value
1000	• Name: 1000 • order: 36 • Value: 1000
100	• Name: 100 • order: 18 • Value: 100
10	• Name: 10 • order: 1 • Value: 10
150	• Name: 150 • order: 19 • Value: 150
15	• Name: 15 • order: 2 • Value: 15
200	• Name: 200 • order: 20 • Value: 200
20	• Name: 20 • order: 3 • Value: 20
250	• Name: 250 • order: 21 • Value: 250
25	• Name: 25 • order: 4 • Value: 25
300	• Name: 300 • order: 22 • Value: 300
30	• Name: 30 • order: 5 • Value: 30
350	• Name: 350 • order: 23 • Value: 350
35	• Name: 35 • order: 6 • Value: 35
400	• Name: 400 • order: 24 • Value: 400
40	• Name: 40 • order: 7 • Value: 40

(1 of 3)

Name	Value
450	• Name: 450 • order: 25 • Value: 450
45	• Name: 45 • order: 8 • Value: 45
500	• Name: 500 • order: 26 • Value: 500
50	• Name: 50 • order: 9 • Value: 50
550	• Name: 550 • order: 27 • Value: 550
55	• Name: 55 • order: 10 • Value: 55
600	• Name: 600 • order: 28 • Value: 600
60	• Name: 60 • order: 11 • Value: 60
650	• Name: 650 • order: 29 • Value: 650
65	• Name: 65 • order: 12 • Value: 65
700	• Name: 700 • order: 30 • Value: 700
70	• Name: 70 • order: 13 • Value: 70
750	• Name: 750 • order: 31 • Value: 750
75	• Name: 75 • order: 14 • Value: 75
800	• Name: 800 • order: 32 • Value: 800

(2 of 3)

Name	Value
80	• Name: 80 • order: 15 • Value: 80
850	• Name: 850 • order: 33 • Value: 850
85	• Name: 85 • order: 16 • Value: 85
900	• Name: 900 • order: 34 • Value: 900
90	• Name: 90 • order: 17 • Value: 90
950	• Name: 950 • order: 35 • Value: 950

(3 of 3)

Table 55-13 ConstraintElementType

Name	Value
Port	• Name: port • Value: 1
Site	• Name: site • Value: 2

Table 55-14 ConstraintType

Name	Value
Exclusion	• Name: exclusion • Value: 2

Table 55-15 Container

Name	Value
None	• Name: none • Value: 1
ODU0	• Name: odu0 • Value: 3

(1 of 2)

Name	Value
ODU1	• Name: odu1 • Value: 4
OPTSG	• Name: opstg • Value: 2

(2 of 2)

Table 55-16 CrossRegPartner

Name	Value
L1	• Name: l1 • Value: 1
L2	• Name: l2 • Value: 2
L3	• Name: l3 • Value: 3
L4	• Name: l4 • Value: 4

Table 55-17 Direction

Name	Value
In	• Name: in • Value: 2
Out	• Name: out • Value: 1

Table 55-18 DisabledEnabled

Name	Value
Disabled	• Name: disabled • Value: 1
Enabled	• Name: enabled • Value: 2

Table 55-19 Duplex

Name	Value
Auto	• Name: auto • order: 1 • Value: 1
Full	• Name: full • order: 2 • Value: 3
Half	• Name: half • order: 3 • Value: 2

Table 55-20 EnableDisable

Name	Value
Disable	• Name: disable • Value: 2
Enable	• Name: enable • Value: 1

Table 55-21 FanSpeed

Name	Value
Maximum	• Name: maximum • Value: 2
Normal	• Name: normal • Value: 1

Table 55-22 FcMode

Name	Value
Fiber Channel	• Name: fc • Value: 1
FICON	• Name: ficon • Value: 2
ISC3 Peer Mode	• Name: isc • Value: 3

Table 55-23 FeaturePauseFlowControl

Name	Value
Manual	• Name: manual • Value: 1
Negotiated	• Name: negotiated • Value: 2

Table 55-24 FecMode

Name	Value
AFEC	• Name: aFec • Value: 6
EFEC2	• Name: enhancedFec2 • Value: 5
EFEC	• Name: enhancedFec • Value: 3
No FEC	• Name: noFec • Value: 1
RSFEC	• Name: g709Fec • Value: 2
UFEC	• Name: uFec • Value: 4

Table 55-25 FiberType

Name	Value
ELEAF	• Name: eleaf • Value: 2
SSMF	• Name: ssmf • Value: 1
TWRS	• Name: twrs • Value: 3

Table 55-26 GccChannelType

Name	Value
GCC0	• Name: gcc0 • Value: 1
GCC1	• Name: gcc1 • Value: 2
GCC2	• Name: gcc2 • Value: 3

Table 55-27 GccPacketType

Name	Value
Non-standard	• Name: nonStd • Value: 1
Standard	• Name: std • Value: 2

Table 55-28 HdsdiRate

Name	Value
1.485/1.001	• Name: hdSdi_1_485_1_001 • Value: 2
1.485	• Name: hdSdi_1_485 • Value: 1

Table 55-29 IfType

Name	Value
	• Name: base100Fx • order: 1 • Value: 10
	• Name: dv6000 • order: 2 • Value: 13
	• Name: dvbAsi • order: 3 • Value: 11
	• Name: dvi6000 • order: 4 • Value: 12

(1 of 3)

Name	Value
	• Name: escon • order: 5 • Value: 1
	• Name: fc10G • order: 9 • Value: 18
	• Name: fc1G • order: 6 • Value: 7
	• Name: fc2G • order: 7 • Value: 8
	• Name: fc4G • order: 8 • Value: 9
	• Name: fddi • order: 10 • Value: 6
	• Name: ficon • order: 11 • Value: 2
	• Name: ficonE • order: 12 • Value: 4
	• Name: ge1 • order: 13 • Value: 5
	• Name: isc3 • order: 20 • Value: 3
CBRLAN11.049	• Name: ge10Cbr11049 • order: 14 • Value: 16
CBRLAN11.096	• Name: ge10Cbr11096 • order: 15 • Value: 17
GE10	• Name: ge10 • order: 20 • Value: 21
GE1GFP-T	• Name: ge1GfpT • order: 19 • Value: 20
GFP-F	• Name: ge10GfpF • order: 17 • Value: 14

(2 of 3)

Name	Value
GFP-F	• Name: ge1GfpF • order: 16 • Value: 19
GFP-P	• Name: ge10GfpFp • order: 18 • Value: 15
GFP-T	• Name: fc8GfpT • order: 21 • Value: 22

(3 of 3)

Table 55-30 IntervalType

Name	Value
15 min Interval	• Name: 15minInterval • Value: 0
24 hour Interval	• Name: 24hrInterval • Value: 1

Table 55-31 ITUChannel

Name	Value
1310	• Name: 1310 • order: 3 • Value: 2001
1471	• Name: 1471 • order: 4 • Value: 1
1490	• Name: 1490 • order: 5 • Value: 2003
1491	• Name: 1491 • order: 6 • Value: 2
1511	• Name: 1511 • order: 7 • Value: 3
1530	• Name: 1530 • order: 8 • Value: 2004
1531	• Name: 1531 • order: 9 • Value: 4

(1 of 15)

Name	Value
1550	• Name: 1550 • order: 10 • Value: 2002
1551	• Name: 1551 • order: 11 • Value: 5
1571	• Name: 1571 • order: 12 • Value: 6
1591	• Name: 1591 • order: 13 • Value: 7
1611	• Name: 1611 • order: 14 • Value: 8
850	• Name: 850 • order: 2 • Value: 2000
8650	• Name: 8650 • order: 15 • Value: 74
8655	• Name: 8655 • order: 16 • Value: 10074
8660	• Name: 8660 • order: 17 • Value: 75
8665	• Name: 8665 • order: 18 • Value: 10075
8670	• Name: 8670 • order: 19 • Value: 76
8675	• Name: 8675 • order: 20 • Value: 10076
8680	• Name: 8680 • order: 21 • Value: 77
8685	• Name: 8685 • order: 22 • Value: 10077
8690	• Name: 8690 • order: 23 • Value: 78

(2 of 15)

Name	Value
8695	• Name: 8695 • order: 24 • Value: 10078
8700	• Name: 8700 • order: 25 • Value: 79
8705	• Name: 8705 • order: 26 • Value: 10079
8710	• Name: 8710 • order: 27 • Value: 80
8715	• Name: 8715 • order: 28 • Value: 10080
8720	• Name: 8720 • order: 29 • Value: 81
8725	• Name: 8725 • order: 30 • Value: 10081
8730	• Name: 8730 • order: 31 • Value: 82
8735	• Name: 8735 • order: 32 • Value: 10082
8740	• Name: 8740 • order: 33 • Value: 83
8745	• Name: 8745 • order: 34 • Value: 10083
8750	• Name: 8750 • order: 35 • Value: 84
8755	• Name: 8755 • order: 36 • Value: 10084
8760	• Name: 8760 • order: 37 • Value: 85
8765	• Name: 8765 • order: 38 • Value: 10085

(3 of 15)

Name	Value
8770	• Name: 8770 • order: 39 • Value: 86
8775	• Name: 8775 • order: 40 • Value: 10086
8780	• Name: 8780 • order: 41 • Value: 87
8785	• Name: 8785 • order: 42 • Value: 10087
8790	• Name: 8790 • order: 43 • Value: 88
8795	• Name: 8795 • order: 44 • Value: 10088
8800	• Name: 8800 • order: 45 • Value: 89
8805	• Name: 8805 • order: 46 • Value: 10089
8810	• Name: 8810 • order: 47 • Value: 90
8815	• Name: 8815 • order: 48 • Value: 10090
8820	• Name: 8820 • order: 49 • Value: 91
8825	• Name: 8825 • order: 50 • Value: 10091
8830	• Name: 8830 • order: 51 • Value: 92
8835	• Name: 8835 • order: 52 • Value: 10092
8840	• Name: 8840 • order: 53 • Value: 93

(4 of 15)

Name	Value
8845	• Name: 8845 • order: 54 • Value: 10093
8850	• Name: 8850 • order: 55 • Value: 94
8855	• Name: 8855 • order: 56 • Value: 10094
8860	• Name: 8860 • order: 57 • Value: 95
8865	• Name: 8865 • order: 58 • Value: 10095
8870	• Name: 8870 • order: 59 • Value: 96
8875	• Name: 8875 • order: 60 • Value: 10096
8880	• Name: 8880 • order: 61 • Value: 97
8885	• Name: 8885 • order: 62 • Value: 10097
8890	• Name: 8890 • order: 63 • Value: 98
8895	• Name: 8895 • order: 64 • Value: 10098
8900	• Name: 8900 • order: 65 • Value: 99
8905	• Name: 8905 • order: 66 • Value: 10099
8910	• Name: 8910 • order: 67 • Value: 100
8915	• Name: 8915 • order: 68 • Value: 10100

(5 of 15)

Name	Value
8920	• Name: 8920 • order: 69 • Value: 101
8925	• Name: 8925 • order: 70 • Value: 10101
8930	• Name: 8930 • order: 71 • Value: 102
8935	• Name: 8935 • order: 72 • Value: 10102
8940	• Name: 8940 • order: 73 • Value: 103
8945	• Name: 8945 • order: 74 • Value: 10103
8950	• Name: 8950 • order: 75 • Value: 104
8955	• Name: 8955 • order: 76 • Value: 10104
8960	• Name: 8960 • order: 77 • Value: 105
8965	• Name: 8965 • order: 78 • Value: 10105
8970	• Name: 8970 • order: 79 • Value: 106
8975	• Name: 8975 • order: 80 • Value: 10106
8980	• Name: 8980 • order: 81 • Value: 107
8985	• Name: 8985 • order: 82 • Value: 10107
8990	• Name: 8990 • order: 83 • Value: 108

(6 of 15)

Name	Value
8995	• Name: 8995 • order: 84 • Value: 10108
9000	• Name: 9000 • order: 85 • Value: 109
9005	• Name: 9005 • order: 86 • Value: 10109
9010	• Name: 9010 • order: 87 • Value: 110
9015	• Name: 9015 • order: 88 • Value: 10110
9020	• Name: 9020 • order: 89 • Value: 111
9025	• Name: 9025 • order: 90 • Value: 10111
9030	• Name: 9030 • order: 91 • Value: 112
9035	• Name: 9035 • order: 92 • Value: 10112
9040	• Name: 9040 • order: 93 • Value: 113
9045	• Name: 9045 • order: 94 • Value: 10113
9050	• Name: 9050 • order: 95 • Value: 114
9055	• Name: 9055 • order: 96 • Value: 10114
9060	• Name: 9060 • order: 97 • Value: 115
9065	• Name: 9065 • order: 98 • Value: 10115

(7 of 15)

Name	Value
9070	• Name: 9070 • order: 99 • Value: 116
9075	• Name: 9075 • order: 100 • Value: 10116
9080	• Name: 9080 • order: 101 • Value: 117
9085	• Name: 9085 • order: 102 • Value: 10117
9090	• Name: 9090 • order: 103 • Value: 118
9095	• Name: 9095 • order: 104 • Value: 10118
9100	• Name: 9100 • order: 105 • Value: 119
9105	• Name: 9105 • order: 106 • Value: 10119
9110	• Name: 9110 • order: 107 • Value: 11
9115	• Name: 9115 • order: 108 • Value: 10011
9120	• Name: 9120 • order: 109 • Value: 12
9125	• Name: 9125 • order: 110 • Value: 10012
9130	• Name: 9130 • order: 111 • Value: 13
9135	• Name: 9135 • order: 112 • Value: 10013
9140	• Name: 9140 • order: 113 • Value: 14

(8 of 15)

Name	Value
9145	• Name: 9145 • order: 114 • Value: 10014
9150	• Name: 9150 • order: 115 • Value: 15
9155	• Name: 9155 • order: 116 • Value: 10015
9160	• Name: 9160 • order: 117 • Value: 16
9165	• Name: 9165 • order: 118 • Value: 10016
9170	• Name: 9170 • order: 119 • Value: 17
9175	• Name: 9175 • order: 120 • Value: 10017
9180	• Name: 9180 • order: 121 • Value: 18
9185	• Name: 9185 • order: 122 • Value: 10018
9190	• Name: 9190 • order: 123 • Value: 19
9195	• Name: 9195 • order: 124 • Value: 10019
9200	• Name: 9200 • order: 125 • Value: 20
9205	• Name: 9205 • order: 126 • Value: 10020
9210	• Name: 9210 • order: 127 • Value: 21
9215	• Name: 9215 • order: 128 • Value: 10021

(9 of 15)

Name	Value
9220	• Name: 9220 • order: 129 • Value: 22
9225	• Name: 9225 • order: 130 • Value: 10022
9230	• Name: 9230 • order: 131 • Value: 23
9235	• Name: 9235 • order: 132 • Value: 10023
9240	• Name: 9240 • order: 133 • Value: 24
9245	• Name: 9245 • order: 134 • Value: 10024
9250	• Name: 9250 • order: 135 • Value: 25
9255	• Name: 9255 • order: 136 • Value: 10025
9260	• Name: 9260 • order: 137 • Value: 26
9265	• Name: 9265 • order: 138 • Value: 10026
9270	• Name: 9270 • order: 139 • Value: 27
9275	• Name: 9275 • order: 140 • Value: 10027
9280	• Name: 9280 • order: 141 • Value: 28
9285	• Name: 9285 • order: 142 • Value: 10028
9290	• Name: 9290 • order: 143 • Value: 29

(10 of 15)

Name	Value
9295	• Name: 9295 • order: 144 • Value: 10029
9300	• Name: 9300 • order: 145 • Value: 30
9305	• Name: 9305 • order: 146 • Value: 10030
9310	• Name: 9310 • order: 147 • Value: 31
9315	• Name: 9315 • order: 148 • Value: 10031
9320	• Name: 9320 • order: 149 • Value: 32
9325	• Name: 9325 • order: 150 • Value: 10032
9330	• Name: 9330 • order: 151 • Value: 33
9335	• Name: 9335 • order: 152 • Value: 10033
9340	• Name: 9340 • order: 153 • Value: 34
9345	• Name: 9345 • order: 154 • Value: 10034
9350	• Name: 9350 • order: 155 • Value: 35
9355	• Name: 9355 • order: 156 • Value: 10035
9360	• Name: 9360 • order: 157 • Value: 36
9365	• Name: 9365 • order: 158 • Value: 10036

(11 of 15)

Name	Value
9370	• Name: 9370 • order: 159 • Value: 37
9375	• Name: 9375 • order: 160 • Value: 10037
9380	• Name: 9380 • order: 161 • Value: 38
9385	• Name: 9385 • order: 162 • Value: 10038
9390	• Name: 9390 • order: 163 • Value: 39
9395	• Name: 9395 • order: 164 • Value: 10039
9400	• Name: 9400 • order: 165 • Value: 40
9405	• Name: 9405 • order: 166 • Value: 10040
9410	• Name: 9410 • order: 167 • Value: 41
9415	• Name: 9415 • order: 168 • Value: 10041
9420	• Name: 9420 • order: 169 • Value: 42
9425	• Name: 9425 • order: 170 • Value: 10042
9430	• Name: 9430 • order: 171 • Value: 43
9435	• Name: 9435 • order: 172 • Value: 10043
9440	• Name: 9440 • order: 173 • Value: 44

(12 of 15)

Name	Value
9445	• Name: 9445 • order: 174 • Value: 10044
9450	• Name: 9450 • order: 175 • Value: 45
9455	• Name: 9455 • order: 176 • Value: 10045
9460	• Name: 9460 • order: 177 • Value: 46
9465	• Name: 9465 • order: 178 • Value: 10046
9470	• Name: 9470 • order: 179 • Value: 47
9475	• Name: 9475 • order: 180 • Value: 10047
9480	• Name: 9480 • order: 181 • Value: 48
9485	• Name: 9485 • order: 182 • Value: 10048
9490	• Name: 9490 • order: 183 • Value: 49
9495	• Name: 9495 • order: 184 • Value: 10049
9500	• Name: 9500 • order: 185 • Value: 50
9505	• Name: 9505 • order: 186 • Value: 10050
9510	• Name: 9510 • order: 187 • Value: 51
9515	• Name: 9515 • order: 188 • Value: 10051

(13 of 15)

Name	Value
9520	• Name: 9520 • order: 189 • Value: 52
9525	• Name: 9525 • order: 190 • Value: 10052
9530	• Name: 9530 • order: 191 • Value: 53
9535	• Name: 9535 • order: 192 • Value: 10053
9540	• Name: 9540 • order: 193 • Value: 54
9545	• Name: 9545 • order: 194 • Value: 10054
9550	• Name: 9550 • order: 195 • Value: 55
9555	• Name: 9555 • order: 196 • Value: 10055
9560	• Name: 9560 • order: 197 • Value: 56
9565	• Name: 9565 • order: 198 • Value: 10056
9570	• Name: 9570 • order: 199 • Value: 57
9575	• Name: 9575 • order: 200 • Value: 10057
9580	• Name: 9580 • order: 201 • Value: 58
9585	• Name: 9585 • order: 202 • Value: 10058
9590	• Name: 9590 • order: 203 • Value: 59

(14 of 15)

Name	Value
9595	• Name: 9595 • order: 204 • Value: 10059
9600	• Name: 9600 • order: 205 • Value: 60
9605	• Name: 9605 • order: 206 • Value: 10060
None	• Name: unAssigned • order: 1 • Value: 0

(15 of 15)

Table 55-32 LEDColorType

Name	Value
Green	• Name: green • Value: 4
Off	• Name: off • Value: 2
Orange	• Name: orange • Value: 5
Red	• Name: red • Value: 3
Unknown	• Name: unknown • Value: 1

Table 55-33 LEDStateType

Name	Value
Fast Blink	• Name: fastBlink • Value: 3
Slow Blink	• Name: slowBlink • Value: 4
Solid	• Name: solid • Value: 2
Unknown	• Name: unknown • Value: 1

Table 55-34 LinePortNo

Name	Value
L1	• Name: l1 • Value: 1
L2	• Name: l2 • Value: 2

Table 55-35 LinkSpeed

Name	Value
10 Mbps	• Name: rate10Mbps • Value: 2
100 Mbps	• Name: rate100Mbps • Value: 3
Auto	• Name: auto • Value: 1

Table 55-36 LosPropagation

Name	Value
LASER OFF	• Name: laserOff • Value: 2
LASER ON	• Name: laserOn • Value: 1

Table 55-37 MappingMode

Name	Value
	• Name: null • Value: 1
Async	• Name: rsA • Value: 5
BitSync	• Name: rsB • Value: 6
cbrA	• Name: cbrA • Value: 3
cbrB	• Name: cbrB • Value: 4

(1 of 2)

Name	Value
lanPhyGfp	• Name: lanPhyGfp • Value: 7
prbs	• Name: prbs • Value: 2

(2 of 2)

Table 55-38 MsmonSDTH

Name	Value
10-5	• Name: e5 • Value: 1
10-6	• Name: e6 • Value: 2
10-7	• Name: e7 • Value: 3
10-8	• Name: e8 • Value: 4
10-9	• Name: e9 • Value: 5

Table 55-39 MsmonSFTH

Name	Value
10-3	• Name: e3 • Value: 1
10-4	• Name: e4 • Value: 2
10-5	• Name: e5 • Value: 3

Table 55-40 OchConsequenceAction

Name	Value
AIS	• Name: ais • Value: 2
Disabled	• Name: none • Value: 1
Generic AIS	• Name: genericAis • Value: 5

(1 of 2)

Name	Value
LASER OFF	• Name: laserOff • Value: 7
LFI	• Name: lfi • Value: 6
MS AIS	• Name: msAis • Value: 4
ODU AIS	• Name: oduAis • Value: 3

(2 of 2)

Table 55-41 OpticalLinkDirectionType

Name	Value
Bidirectional	• Name: BiDirectional • Value: 1
Unidirectional	• Name: UniDirectional • Value: 2

Table 55-42 OpticalPortType

Name	Value
	• Name: 112SA1L_C • Value: 285
	• Name: 112SA1L_L • Value: 284
	• Name: 112SCA1_C • Value: 283
	• Name: 112SCA1_L • Value: 282
	• Name: 112SCX10_C • Value: 287
	• Name: 112SCX10_L • Value: 286
	• Name: 112SX10L_C • Value: 289
	• Name: 112SX10L_L • Value: 288
	• Name: 11DPE12_C • Value: 254
	• Name: 11DPE12_L • Value: 253

(1 of 8)

Name	Value
	• Name: 11DPE12_VA • Value: 255
	• Name: 11DPE12E_C • Value: 291
	• Name: 11DPE12E_L • Value: 290
	• Name: 11DPE12E_VA • Value: 292
	• Name: 11DPM12_C • Value: 294
	• Name: 11DPM12_L • Value: 293
	• Name: 11DPM12_VA • Value: 295
	• Name: 11QPA4_C • Value: 257
	• Name: 11QPA4_L • Value: 256
	• Name: 11QPA4_VA • Value: 258
	• Name: 11STAR1_C • Value: 251
	• Name: 11STAR1_L • Value: 252
	• Name: 11STGE12_C • Value: 260
	• Name: 11STGE12_L • Value: 259
	• Name: 11STMM10_C • Value: 262
	• Name: 11STMM10_L • Value: 261
	• Name: 43STA1P_C • Value: 272
	• Name: 43STA1P_L • Value: 271
	• Name: 43STX4_C • Value: 273
	• Name: 43STX4_L • Value: 274
	• Name: 43STX4P_C • Value: 276
	• Name: 43STX4P_L • Value: 275

(2 of 8)

Name	Value
	• Name: 4DPA2_C • Value: 269
	• Name: 4DPA2_L • Value: 270
	• Name: 4DPA4_C • Value: 263
	• Name: 4DPA4_DT_C • Value: 266
	• Name: 4DPA4_DT_L • Value: 267
	• Name: 4DPA4_DT_VA • Value: 268
	• Name: 4DPA4_L • Value: 264
	• Name: 4DPA4_VA • Value: 265
	• Name: A2325A_DCM • Value: 69
	• Name: A2325A_INV • Value: 68
	• Name: A2325A_LN • Value: 66
	• Name: A2325A_OSC • Value: 67
	• Name: A2325A_SIG • Value: 65
	• Name: AHPHG_DCM • Value: 53
	• Name: AHPHG_INV • Value: 54
	• Name: AHPHG_LN • Value: 51
	• Name: AHPHG_OSC • Value: 52
	• Name: AHPHG_SIG • Value: 50
	• Name: AHPLG_DCM • Value: 64
	• Name: AHPLG_INV • Value: 63
	• Name: AHPLG_LN • Value: 61
	• Name: AHPLG_OSC • Value: 62

(3 of 8)

Name	Value
	• Name: AHPLG_SIG • Value: 60
	• Name: ALPFGK_INV • Value: 73
	• Name: ALPFGK_LN • Value: 71
	• Name: ALPFGK_OSC • Value: 72
	• Name: ALPFGK_OSCSFP • Value: 74
	• Name: ALPFGK_SIG • Value: 70
	• Name: ALPFGT_INV • Value: 76
	• Name: ALPFGT_LN • Value: 78
	• Name: ALPFGT_OSC • Value: 77
	• Name: ALPFGT_OSCSFP • Value: 79
	• Name: ALPFGT_SIG • Value: 75
	• Name: ALPHG_DCM • Value: 59
	• Name: ALPHG_INV • Value: 58
	• Name: ALPHG_LN • Value: 56
	• Name: ALPHG_OSC • Value: 57
	• Name: ALPHG_SIG • Value: 55
	• Name: AM2017B_DCM • Value: 94
	• Name: AM2017B_INV • Value: 93
	• Name: AM2017B_LN • Value: 91
	• Name: AM2017B_OSC • Value: 92
	• Name: AM2017B_SIG • Value: 90
	• Name: AM2125A_DCM • Value: 102

(4 of 8)

Name	Value
	• Name: AM2125A_DET • Value: 105
	• Name: AM2125A_INV • Value: 101
	• Name: AM2125A_LINEIN • Value: 100
	• Name: AM2125A_LINEOUT • Value: 103
	• Name: AM2125A_OSC • Value: 106
	• Name: AM2125A_OSCSFP • Value: 104
	• Name: AM2325B_DCM • Value: 99
	• Name: AM2325B_INV • Value: 98
	• Name: AM2325B_LN • Value: 96
	• Name: AM2325B_OSC • Value: 97
	• Name: AM2325B_SIG • Value: 95
	• Name: CIT • Value: 47
	• Name: CWR88_CLS • Value: 160
	• Name: CWR88_INV • Value: 162
	• Name: CWR88_OMD • Value: 159
	• Name: CWR88_SIG • Value: 157
	• Name: CWR88_TEST • Value: 161
	• Name: CWR88_THRU • Value: 158
	• Name: CWR8_CLS • Value: 154
	• Name: CWR8_INV • Value: 156
	• Name: CWR8_OMD • Value: 153
	• Name: CWR8_SIG • Value: 151

(5 of 8)

Name	Value
	• Name: CWR8_TEST • Value: 155
	• Name: CWR8_THRU • Value: 152
	• Name: DCM_DCM • Value: 201
	• Name: EC_AUX • Value: 2
	• Name: EC_CIT • Value: 1
	• Name: EC_ES1 • Value: 3
	• Name: EC_ES2 • Value: 4
	• Name: EC_OAMP • Value: 5
	• Name: FLC_CIT • Value: 15
	• Name: FLC_OAMP • Value: 16
	• Name: ITLB_EVEN • Value: 212
	• Name: ITLB_ODD • Value: 213
	• Name: ITLB_SIG • Value: 211
	• Name: LAN1 • Value: 45
	• Name: LAN2 • Value: 46
	• Name: MT0C_E • Value: 17
	• Name: MT0C_ES • Value: 18
	• Name: MT0C_VOIP • Value: 19
	• Name: MVAC_G • Value: 296
	• Name: OPSA_A • Value: 280
	• Name: OPSA_B • Value: 281
	• Name: OPSA_SIG • Value: 279

(6 of 8)

Name	Value
	• Name: OSC_INV • Value: 81
	• Name: OSC_LN • Value: 83
	• Name: OSC_OSC • Value: 82
	• Name: OSC_OSCSFP • Value: 84
	• Name: OSC_SIG • Value: 80
	• Name: OSCT_INV • Value: 86
	• Name: OSCT_LN • Value: 88
	• Name: OSCT_OSC • Value: 87
	• Name: OSCT_OSCSFP • Value: 89
	• Name: OSCT_SIG • Value: 85
	• Name: RA2P_LINEIN • Value: 107
	• Name: RA2P_LINEOUT • Value: 108
	• Name: SFC8_EXP • Value: 229
	• Name: SFC_CHANNEL • Value: 227
	• Name: SFC_EXP • Value: 223
	• Name: SFC_OMD • Value: 221
	• Name: SFD4_OMD • Value: 230
	• Name: SFD5_OMD • Value: 225
	• Name: SFD8_OMD • Value: 226
	• Name: SFD_CHANNEL • Value: 228
	• Name: SFD_EXP • Value: 224
	• Name: SFD_OMD • Value: 222

(7 of 8)

Name	Value
	• Name: SVAC_C • Value: 278
	• Name: SVAC_L • Value: 277
	• Name: unknown • Value: 0
	• Name: USRPNL_E1 • Value: 13
	• Name: USRPNL_E2 • Value: 14
	• Name: USRPNL_OAMP • Value: 11
	• Name: USRPNL_VOIP • Value: 12
	• Name: WTOCM_IN • Value: 297

(8 of 8)

Table 55-43 OscMode

Name	Value
100BaseFX	• Name: base100FX • Value: 2
OC3/STM1	• Name: oc3stm1 • Value: 1

Table 55-44 OtuRate

Name	Value
10.709	• Name: otm10G709 • Value: 1
11.049	• Name: otm11G049 • Value: 2
11.096	• Name: otm11G096 • Value: 3
11.27	• Name: otm11G27 • Value: 4
111.810	• Name: otm111G810 • Value: 7

(1 of 2)

Name	Value
2.66	• Name: otm2G66 • Value: 5
4.55	• Name: otm4G55 • Value: 6

(2 of 2)

Table 55-45 PerformCommand

Name	Value
Execute with Force	• Name: executeWithForce • Value: 3
Execute	• Name: execute • Value: 2
No Cmd	• Name: noCmd • Value: 1

Table 55-46 PortAprHoldOffTime

Name	Value
No	• Name: no • Value: 1
Yes	• Name: yes • Value: 4

Table 55-47 PortDirection

Name	Value
BID	• Name: bi • Value: 1
UNI RX	• Name: uniRx • Value: 3
UNI TX	• Name: uniTx • Value: 2

Table 55-48 PortFiberType

Name	Value
ELEAF	• Name: eleaf • Value: 3
SSMF	• Name: ssmf • Value: 1
TWRS	• Name: twrs • Value: 2

Table 55-49 PortLosMode

Name	Value
Auto	• Name: auto • Value: 1
LOSN	• Name: losn • Value: 2

Table 55-50 PortOperatingMode

Name	Value
Gain	• Name: gain • Value: 2
Maximum Power	• Name: maxpower • Value: 3
Power	• Name: power • Value: 1

Table 55-51 PortSignalDegradeThreshold

Name	Value
10-5	• Name: tendashfive • Value: 5
10-6	• Name: tendashsix • Value: 6
10-7	• Name: tendashseven • Value: 7

(1 of 2)

Name	Value
10-8	• Name: tendasheigth • Value: 8
10-9	• Name: tendashnine • Value: 9

(2 of 2)

Table 55-52 PortSignalFailThreshold

Name	Value
10-4	• Name: tendash4 • Value: 4
10-5	• Name: tendash5 • Value: 5

Table 55-53 PowerMgmtType

Name	Value
Auto	• Name: auto • Value: 1
Hybrid	• Name: hybrid • Value: 3
Manual	• Name: manual • Value: 2

Table 55-54 ProtectionState

Name	Value
DropAndContinue	• Name: dropContinue • Value: 4
Protection	• Name: protection • Value: 3
Unprotected	• Name: none • Value: 1
Working	• Name: working • Value: 2

Table 55-55 ProtectionType

Name	Value
Diverse Route	• Name: diverseRoute • Value: 2
ESNCP Protected	• Name: esncp • selectable: no • Value: 3
OPS Protected	• Name: ops • Value: 4
Unprotected	• Name: unprotected • Value: 1
Y-Cable Protected	• Name: ycable • Value: 5

Table 55-56 QinQTPId

Name	Value
1	• Name: qinqtpid1 • Value: 1
2	• Name: qinqtpid2 • Value: 2
3	• Name: qinqtpid3 • Value: 3
4	• Name: qinqtpid4 • Value: 4

Table 55-57 RedistributeEnabled

Name	Value
Disabled	• Name: disable • Value: 1
Enabled	• Name: enable • Value: 3

Table 55-58 RoutingState

Name	Value
Disabled	• Name: disable • Value: 1
Enabled	• Name: enable • Value: 2
Redistribute	• Name: redistribute • Value: 3

Table 55-59 RowStatus

Name	Value
	• Name: active • Value: 1
	• Name: createAndGo • Value: 4
	• Name: createAndWait • Value: 5
	• Name: destroy • Value: 6
	• Name: notInService • Value: 2
	• Name: notReady • Value: 3

Table 55-60 RsMonSigMode

Name	Value
Terminated	• Name: terminated • Value: 2
Transparent	• Name: transparent • Value: 1

Table 55-61 RsMonTimod

Name	Value
1 Byte	• Name: specificSingleByte • Value: 4
16 bytes	• Name: specific16Byte • Value: 2
NA	• Name: notApplicable • Value: 1
Non Specific Single Byte	• Name: nonSpecificSingleByte • Value: 3
String64	• Name: string64 • Value: 5

Table 55-62 ServiceDirection

Name	Value
Bidirectional	• Name: bi • Value: 1

Table 55-63 SfcCardFiberMode

Name	Value
OneFiberMux	• Name: oneFiberMux • Value: 2
TwoFiber	• Name: twoFiber • Value: 1

Table 55-64 SitePosition

Name	Value
A End	• Name: from • Value: 1
Z End	• Name: to • Value: 2

Table 55-65 SnmpSource

Name	Value
Any IP Interface	• Name: false • Value: 2
Loopback IP Only	• Name: true • Value: 1

Table 55-66 SubRateVtsMap

Name	Value
10	• Name: vts10 • Value: 10
1	• Name: vts1 • Value: 1
2	• Name: vts2 • Value: 2
3	• Name: vts3 • Value: 3
4	• Name: vts4 • Value: 4
5	• Name: vts5 • Value: 5
6	• Name: vts6 • Value: 6
7	• Name: vts7 • Value: 7
8	• Name: vts8 • Value: 8
9	• Name: vts9 • Value: 9
N/A	• Name: vts0 • Value: 0

Table 55-67 SupportedDirection

Name	Value
Both	• Name: both • Value: 3

(1 of 2)

Name	Value
In	• Name: in • Value: 1
Out	• Name: out • Value: 2

(2 of 2)

Table 55-68 SwitchRequestTypes

Name	Value
Automatic	• Name: automatic • Value: 6
Clear Lockout	• Name: clearLockout • Value: 7
Clear	• Name: clear • Value: 2
Forced Switch	• Name: forcedSwitch • Value: 4
Lockout	• Name: lockout • Value: 3
Manual Switch	• Name: manualSwitch • Value: 5
No Request	• Name: noRequest • Value: 1

Table 55-69 SyncPort

Name	Value
C10	• Name: c10 • Value: 13
C11	• Name: c11 • Value: 14
C12	• Name: c12 • Value: 15
C1	• Name: c1 • Value: 4
C2	• Name: c2 • Value: 5
C3	• Name: c3 • Value: 6
C4	• Name: c4 • Value: 7

(1 of 2)

Name	Value
C5	• Name: c5 • Value: 8
C6	• Name: c6 • Value: 9
C7	• Name: c7 • Value: 10
C8	• Name: c8 • Value: 11
C9	• Name: c9 • Value: 12
L1	• Name: l1 • Value: 2
L2	• Name: l2 • Value: 3
Unassigned	• Name: unassigned • Value: 1

(2 of 2)

Table 55-70 SyncPriority

Name	Value
1	• Name: 1 • Value: 1
2	• Name: 2 • Value: 2
3	• Name: 3 • Value: 3
4	• Name: 4 • Value: 4
5	• Name: 5 • Value: 5
6	• Name: 6 • Value: 6
7	• Name: 7 • Value: 7
8	• Name: 8 • Value: 8
Disabled	• Name: disabled • Value: 0

Table 55-71 TempUnits

Name	Value
Celsius	• Name: celsius • Value: 1
Fahrenheit	• Name: fahrenheit • Value: 2

Table 55-72 TermPointPosition

Name	Value
Protection	• Name: a2z2 • Value: 2
Working	• Name: a1z1 • Value: 1

Table 55-73 ThresholdCalcControl

Name	Value
Auto	• Name: auto • Value: 1
Manual	• Name: manual • Value: 2

Table 55-74 TimDetectionMode

Name	Value
Disabled	• Name: off • Value: 1
Enabled	• Name: sapiOnly • Value: 2

Table 55-75 TimingReference

Name	Value
Line Ref 1	• Name: lineRef1 • Value: 1
Line Ref 2	• Name: lineRef2 • Value: 2

(1 of 2)

Name	Value
Line Ref 3	• Name: lineRef3 • Value: 3
Line Ref 4	• Name: lineRef4 • Value: 4
Sync0	• Name: sync0 • Value: 0

(2 of 2)

Table 55-76 TransmissionMode

Name	Value
AddDrop	• Name: adddrop • Value: 1
AddOnly	• Name: addOnly • Value: 3
CrossRegen	• Name: crossRegen • Value: 6
DropContinue	• Name: dropContinue • Value: 5
DropOnly	• Name: dropOnly • Value: 2
Regen	• Name: Regen • Value: 7
Thru	• Name: thru • Value: 4

Table 55-77 TransportServiceMode

Name	Value
Protection	• Name: protection • Value: 3
Unprotected	• Name: unprotected • Value: 1
Working	• Name: working • Value: 2

Table 55-78 TrapCategory

Name	Value
Critical	• Name: Critical • Value: 1
General Event	• Name: generalEvents • Value: 5
Minor	• Name: Major • Value: 2
Minor	• Name: Minor • Value: 3
None	• Name: none • Value: 7
Not Alarmed	• Name: notAlarmed • Value: 6
Not Reported	• Name: notReported • Value: 9
Security	• Name: security • Value: 10
State Change	• Name: StateChange • Value: 4
Unknown	• Name: unknown • Value: 8

Table 55-79 TrapCondition

Name	Value
aisLmsAis	• Name: aisLmsAis • Value: 1
aisPauAis	• Name: aisPauAis • Value: 136
allChanMiss	• Name: allChanMiss • Value: 2
allChanMissOut	• Name: allChanMissOut • Value: 158
almRSync	• Name: almRSync • Value: 88
almRSyncEnd	• Name: almRSyncEnd • Value: 89
ampDisabled	• Name: ampDisabled • Value: 3
ampEol	• Name: ampEol • Value: 4

(1 of 18)

Name	Value
aprLine	• Name: aprLine • Value: 284
apsB	• Name: apsB • Value: 5
apsCm	• Name: apsCm • Value: 6
apsMm	• Name: apsMm • Value: 7
apsNoRed	• Name: apsNoRed • Value: 8
arcIND	• Name: arcIND • Value: 130
authFail	• Name: authFail • Value: 119
autoReset	• Name: autoReset • Value: 168
b1Sd	• Name: b1Sd • Value: 353
backwardDefectIndicationEgress	• Name: backwardDefectIndicationEgress • Value: 343
baseline	• Name: baseline • Value: 207
bdi	• Name: bdi • Value: 224
bdiOdu	• Name: bdiOdu • Value: 243
binsRolled	• Name: binsRolled • Value: 106
bkupCom	• Name: bkupCom • Value: 124
boardEqpt	• Name: boardEqpt • Value: 237
brkTrip	• Name: brkTrip • Value: 9
capBufr	• Name: capBufr • Value: 10
cardInBoot	• Name: cardInBoot • Value: 11
cardInit	• Name: cardInit • Value: 12
cardInitFail	• Name: cardInitFail • Value: 13
cardNotAllowed	• Name: cardNotAllowed • Value: 361

(2 of 18)

Name	Value
cardSanity	• Name: cardSanity • Value: 14
ccActChg	• Name: ccActChg • Value: 101
change	• Name: change • Value: 87
chkBkplane	• Name: chkBkplane • Value: 157
comm	• Name: comm • Value: 153
configFail	• Name: configFail • Value: 92
contBus	• Name: contBus • Value: 170
contCom	• Name: contCom • Value: 15
contComm	• Name: contComm • Value: 177
contEqpt	• Name: contEqpt • Value: 125
contr	• Name: contr • Value: 16
contrDup	• Name: contrDup • Value: 171
contrenDgr	• Name: contrenDgr • Value: 156
contrenFail	• Name: contrenFail • Value: 155
contrOut	• Name: contrOut • Value: 166
crdInit	• Name: crdInit • Value: 91
crTca	• Name: crTca • Value: 102
dataErr	• Name: dataErr • Value: 281
dataFlt	• Name: dataFlt • Value: 132
dbErr	• Name: dbErr • Value: 196
dbFl	• Name: dbFl • Value: 239
dbFt	• Name: dbFt • Value: 240

(3 of 18)

Name	Value
dbFull	• Name: dbFull • Value: 17
dbInvalid	• Name: dbInvalid • Value: 18
dbMemTrf	• Name: dbMemTrf • Value: 19
dbUnsync	• Name: dbUnsync • Value: 266
deg	• Name: deg • Value: 228
degOtu	• Name: degOtu • Value: 363
dormantUser	• Name: dormantUser • Value: 336
dwAis	• Name: dwAis • Value: 20
dwLof	• Name: dwLof • Value: 21
dwLom	• Name: dwLom • Value: 197
dwSd	• Name: dwSd • Value: 22
dwSf	• Name: dwSf • Value: 23
envInput1Active	• Name: envInput1Active • Value: 203
envInput2Active	• Name: envInput2Active • Value: 204
envInput3Active	• Name: envInput3Active • Value: 330
envInput4Active	• Name: envInput4Active • Value: 331
envInput5Active	• Name: envInput5Active • Value: 332
envInput6Active	• Name: envInput6Active • Value: 333
envInput7Active	• Name: envInput7Active • Value: 334
envInput8Active	• Name: envInput8Active • Value: 335
eqpt	• Name: eqpt • Value: 24
eqptDgr	• Name: eqptDgr • Value: 195

(4 of 18)

Name	Value
eqptDgrMon	• Name: eqptDgrMon • Value: 200
eqptDgrOut	• Name: eqptDgrOut • Value: 165
etrMismatch	• Name: etrMismatch • Value: 285
excessLoad	• Name: excessLoad • Value: 226
facServ	• Name: facServ • Value: 123
facTerm	• Name: facTerm • Value: 25
facTermDev	• Name: facTermDev • Value: 173
facTermDgr	• Name: facTermDgr • Value: 174
fanSpeed	• Name: fanSpeed • Value: 26
fanSpeedMan	• Name: fanSpeedMan • Value: 362
farEndLos	• Name: farEndLos • Value: 283
feAls	• Name: feAls • Value: 27
fecEcSd	• Name: fecEcSd • Value: 354
fecFail	• Name: fecFail • Value: 150
feFlt	• Name: feFlt • Value: 28
feLfi	• Name: feLfi • Value: 215
feLos	• Name: feLos • Value: 214
feLss	• Name: feLss • Value: 213
fePortMismatch	• Name: fePortMismatch • Value: 212
fePrLf	• Name: fePrLf • Value: 29
feRfi	• Name: feRfi • Value: 216
flt	• Name: flt • Value: 30

(5 of 18)

Name	Value
fpgaFail	• Name: fpgaFail • Value: 278
fpgaInit	• Name: fpgaInit • Value: 276
fpgaTimeout	• Name: fpgaTimeout • Value: 277
frcdWkSwBk	• Name: frcdWkSwBk • Value: 31
frcdWkSwPr	• Name: frcdWkSwPr • Value: 32
fwPendingObsolete	• Name: fwPendingObsolete • Value: 269
fwUpgradePending	• Name: fwUpgradePending • Value: 268
fwVersionNotDefault	• Name: fwVersionNotDefault • Value: 267
gfpLof	• Name: gfpLof • Value: 140
gfpSsf	• Name: gfpSsf • Value: 141
hdFail	• Name: hdFail • Value: 33
hdFull	• Name: hdFull • Value: 34
hiBer	• Name: hiBer • Value: 225
highGain	• Name: highGain • Value: 35
hwRevisionNotSupported	• Name: hwRevisionNotSupported • Value: 282
inhMsgPmRept	• Name: inhMsgPmRept • Value: 184
init	• Name: init • Value: 238
int	• Name: int • Value: 36
intErr	• Name: intErr • Value: 98
intrusion	• Name: intrusion • Value: 121
intSft	• Name: intSft • Value: 37
intTemp	• Name: intTemp • Value: 38

(6 of 18)

Name	Value
invalidThreshold	• Name: invalidThreshold • Value: 280
invalidTopo	• Name: invalidTopo • Value: 111
lanLfi	• Name: lanLfi • Value: 230
lanLos	• Name: lanLos • Value: 229
lanRfi	• Name: lanRfi • Value: 231
laserEOL	• Name: laserEOL • Value: 350
laserOffLpbk	• Name: laserOffLpbk • Value: 186
lck	• Name: lck • Value: 221
ledState	• Name: ledState • Value: 97
lfd	• Name: lfd • Value: 209
lfiEgr	• Name: lfiEgr • Value: 219
linkDown	• Name: linkDown • Value: 39
linkUp	• Name: linkUp • Value: 90
lockedIndicationEgress	• Name: lockedIndicationEgress • Value: 340
lockoutOfPr	• Name: lockoutOfPr • Value: 120
lockoutToPr	• Name: lockoutToPr • Value: 40
lof	• Name: lof • Value: 41
lofEgr	• Name: lofEgr • Value: 217
lofO	• Name: lofO • Value: 274
loGain	• Name: loGain • Value: 42
logBuf90SecuLog	• Name: logBuf90SecuLog • Value: 337
logBufOvflSecuLog	• Name: logBufOvflSecuLog • Value: 338

(7 of 18)

Name	Value
lopPauLop	• Name: lopPauLop • Value: 127
los	• Name: los • Value: 43
losDcm	• Name: losDcm • Value: 206
losLdSig	• Name: losLdSig • Value: 272
losO	• Name: losO • Value: 273
losOut	• Name: losOut • Value: 44
losP	• Name: losP • Value: 227
lostClock	• Name: lostClock • Value: 45
lpbkLine	• Name: lpbkLine • Value: 46
lpbkTerm	• Name: lpbkTerm • Value: 47
lsrOutDgr	• Name: lsrOutDgr • Value: 48
lss	• Name: lss • Value: 208
lssEgr	• Name: lssEgr • Value: 218
man	• Name: man • Value: 112
manReset	• Name: manReset • Value: 178
manSwToPri	• Name: manSwToPri • Value: 146
manSwToSec	• Name: manSwToSec • Value: 147
manWkSwBk	• Name: manWkSwBk • Value: 49
manWkSwPr	• Name: manWkSwPr • Value: 50
mismatch	• Name: mismatch • Value: 51
mismatchSfpXfp	• Name: mismatchSfpXfp • Value: 271
missing	• Name: missing • Value: 172

(8 of 18)

Name	Value
mjTca	• Name: mjTca • Value: 103
mnTca	• Name: mnTca • Value: 104
mod	• Name: mod • Value: 52
modOutOOR	• Name: modOutOOR • Value: 351
mtcesurv	• Name: mtcesurv • Value: 175
mtcesurvDgr	• Name: mtcesurvDgr • Value: 176
neAls	• Name: neAls • Value: 53
neFlt	• Name: neFlt • Value: 54
net	• Name: net • Value: 55
netCraft	• Name: netCraft • Value: 189
notUsed1	• Name: notUsed1 • Value: 232
notUsed2	• Name: notUsed2 • Value: 233
notUsed3	• Name: notUsed3 • Value: 235
notUsed4	• Name: notUsed4 • Value: 241
ntpOoSync	• Name: ntpOoSync • Value: 265
oaPumpBiasCurrHigh	• Name: oaPumpBiasCurrHigh • Value: 348
oaPumpTempHigh	• Name: oaPumpTempHigh • Value: 349
ochCollision	• Name: ochCollision • Value: 56
ochCollisionOut	• Name: ochCollisionOut • Value: 159
ochFdi	• Name: ochFdi • Value: 144
ochIntErr	• Name: ochIntErr • Value: 57
ochKeyDup	• Name: ochKeyDup • Value: 116

(9 of 18)

Name	Value
ochKeyOverlap	• Name: ochKeyOverlap • Value: 117
ochMissing	• Name: ochMissing • Value: 58
ochPdi	• Name: ochPdi • Value: 167
ochPwrUnstable	• Name: ochPwrUnstable • Value: 145
ochTrailDup	• Name: ochTrailDup • Value: 118
ochTrailUnknown	• Name: ochTrailUnknown • Value: 188
ochUnknown	• Name: ochUnknown • Value: 59
ochUnknownOut	• Name: ochUnknownOut • Value: 160
oci	• Name: oci • Value: 222
openConnectionIndicationEgress	• Name: openConnectionIndicationEgress • Value: 341
opr	• Name: opr • Value: 60
oprIngress	• Name: oprIngress • Value: 199
oprOOR	• Name: oprOOR • Value: 352
oprOut	• Name: oprOut • Value: 161
oprUnachieve	• Name: oprUnachieve • Value: 61
oscSsf	• Name: oscSsf • Value: 347
otuAis	• Name: otuAis • Value: 187
ovrld	• Name: ovrld • Value: 62
payloadTypeMismatchEgress	• Name: payloadTypeMismatchEgress • Value: 345
pdi	• Name: pdi • Value: 181
pdiPauPdi	• Name: pdiPauPdi • Value: 139
plm	• Name: plm • Value: 151

(10 of 18)

Name	Value
plmPauPlm	• Name: plmPauPlm • Value: 138
prcdrErr	• Name: prcdrErr • Value: 63
prcdrErrOut	• Name: prcdrErrOut • Value: 198
prcdrErrTopo	• Name: prcdrErrTopo • Value: 201
pwr	• Name: pwr • Value: 64
pwrAdjFail	• Name: pwrAdjFail • Value: 163
pwrAdjReq	• Name: pwrAdjReq • Value: 162
pwrAlmp	• Name: pwrAlmp • Value: 179
pwrFan	• Name: pwrFan • Value: 180
pwrMargin	• Name: pwrMargin • Value: 169
pwrMaxGain	• Name: pwrMaxGain • Value: 279
pwrMgtOff	• Name: pwrMgtOff • Value: 110
pwrSusp	• Name: pwrSusp • Value: 154
ramanSup	• Name: ramanSup • Value: 359
rcvrOptProg	• Name: rcvrOptProg • Value: 360
rdiL	• Name: rdiL • Value: 234
replUnitMiss	• Name: replUnitMiss • Value: 65
rfi	• Name: rfi • Value: 66
rfiEgr	• Name: rfiEgr • Value: 220
rfiLmsRfi	• Name: rfiLmsRfi • Value: 67
rfiPauRfi	• Name: rfiPauRfi • Value: 137
sd	• Name: sd • Value: 68

(11 of 18)

Name	Value
sdegO	• Name: sdegO • Value: 205
seepScrub	• Name: seepScrub • Value: 99
serverSignalFailureEgress	• Name: serverSignalFailureEgress • Value: 346
sf	• Name: sf • Value: 69
sfMismatch	• Name: sfMismatch • Value: 133
sfpEOL	• Name: sfpEOL • Value: 356
sfpReceiverPwrOOR	• Name: sfpReceiverPwrOOR • Value: 358
sfpTempOOR	• Name: sfpTempOOR • Value: 355
sfpTrmtPwrOOR	• Name: sfpTrmtPwrOOR • Value: 357
sft	• Name: sft • Value: 182
signalDegradeEgress	• Name: signalDegradeEgress • Value: 342
slcr	• Name: slcr • Value: 185
ssf	• Name: ssf • Value: 223
ssfOdu	• Name: ssfOdu • Value: 244
swEqpt	• Name: swEqpt • Value: 70
swftDwn	• Name: swftDwn • Value: 183
swMtxMod	• Name: swMtxMod • Value: 71
swToSec	• Name: swToSec • Value: 115
swUpgCommit	• Name: swUpgCommit • Value: 126
swUpgFail	• Name: swUpgFail • Value: 108
swUpgrade	• Name: swUpgrade • Value: 107
sync	• Name: sync • Value: 72

(12 of 18)

Name	Value
syncActRef	• Name: syncActRef • Value: 95
syncClk	• Name: syncClk • Value: 73
syncClkFail	• Name: syncClkFail • Value: 191
syncClkFrng	• Name: syncClkFrng • Value: 129
syncClkHldovr	• Name: syncClkHldovr • Value: 128
syncClkMode	• Name: syncClkMode • Value: 113
syncClkUnit	• Name: syncClkUnit • Value: 96
syncCommand	• Name: syncCommand • Value: 94
syncEqpt	• Name: syncEqpt • Value: 74
syncMode	• Name: syncMode • Value: 114
syncOos	• Name: syncOos • Value: 75
syncStatChng	• Name: syncStatChng • Value: 122
syncSys	• Name: syncSys • Value: 192
syncSysOos	• Name: syncSysOos • Value: 193
sysBoot	• Name: sysBoot • Value: 85
sysInit	• Name: sysInit • Value: 93
systemReady	• Name: systemReady • Value: 275
termOc192stm64	• Name: termOc192stm64 • Value: 76
termOc312stm14	• Name: termOc312stm14 • Value: 77
termOc48stm16	• Name: termOc48stm16 • Value: 78
termOtu1	• Name: termOtu1 • Value: 79
termOtu2	• Name: termOtu2 • Value: 80

(13 of 18)

Name	Value
tim	• Name: tim • Value: 81
timOdu	• Name: timOdu • Value: 242
trailTraceIdentifierMismatchEgress	• Name: trailTraceIdentifierMismatchEgress • Value: 344
trmt	• Name: trmt • Value: 82
unexWkSet	• Name: unexWkSet • Value: 100
unknown	• Name: unknown • Value: 83
unknownNotif	• Name: unknownNotif • Value: 86
unknownSfpXfp	• Name: unknownSfpXfp • Value: 270
upm	• Name: upm • Value: 210
usAis	• Name: usAis • Value: 148
usAls	• Name: usAls • Value: 134
userEqptMismatch	• Name: userEqptMismatch • Value: 202
usFlt	• Name: usFlt • Value: 135
usIdle	• Name: usIdle • Value: 152
usLos	• Name: usLos • Value: 194
usOchCollision	• Name: usOchCollision • Value: 190
usSFEber	• Name: usSFEber • Value: 149
vcgDown	• Name: vcgDown • Value: 131
vcgLoa	• Name: vcgLoa • Value: 142
vcgMap	• Name: vcgMap • Value: 143
vcgSsf	• Name: vcgSsf • Value: 211
vcMfi	• Name: vcMfi • Value: 164

(14 of 18)

Name	Value
voltage	• Name: voltage • Value: 236
vtsConnCreation	• Name: vtsConnCreation • Value: 339
vtsFdi10	• Name: vtsFdi10 • Value: 264
vtsFdi11	• Name: vtsFdi11 • Value: 308
vtsFdi12	• Name: vtsFdi12 • Value: 309
vtsFdi13	• Name: vtsFdi13 • Value: 310
vtsFdi14	• Name: vtsFdi14 • Value: 311
vtsFdi15	• Name: vtsFdi15 • Value: 312
vtsFdi16	• Name: vtsFdi16 • Value: 313
vtsFdi17	• Name: vtsFdi17 • Value: 314
vtsFdi18	• Name: vtsFdi18 • Value: 315
vtsFdi19	• Name: vtsFdi19 • Value: 316
vtsFdi1	• Name: vtsFdi1 • Value: 255
vtsFdi20	• Name: vtsFdi20 • Value: 317
vtsFdi21	• Name: vtsFdi21 • Value: 318
vtsFdi22	• Name: vtsFdi22 • Value: 319
vtsFdi23	• Name: vtsFdi23 • Value: 320
vtsFdi24	• Name: vtsFdi24 • Value: 321
vtsFdi25	• Name: vtsFdi25 • Value: 322
vtsFdi26	• Name: vtsFdi26 • Value: 323
vtsFdi27	• Name: vtsFdi27 • Value: 324
vtsFdi28	• Name: vtsFdi28 • Value: 325

(15 of 18)

Name	Value
vtsFdi29	• Name: vtsFdi29 • Value: 326
vtsFdi2	• Name: vtsFdi2 • Value: 256
vtsFdi30	• Name: vtsFdi30 • Value: 327
vtsFdi31	• Name: vtsFdi31 • Value: 328
vtsFdi32	• Name: vtsFdi32 • Value: 329
vtsFdi3	• Name: vtsFdi3 • Value: 257
vtsFdi4	• Name: vtsFdi4 • Value: 258
vtsFdi5	• Name: vtsFdi5 • Value: 259
vtsFdi6	• Name: vtsFdi6 • Value: 260
vtsFdi7	• Name: vtsFdi7 • Value: 261
vtsFdi8	• Name: vtsFdi8 • Value: 262
vtsFdi9	• Name: vtsFdi9 • Value: 263
vtsOci10	• Name: vtsOci10 • Value: 254
vtsOci11	• Name: vtsOci11 • Value: 286
vtsOci12	• Name: vtsOci12 • Value: 287
vtsOci13	• Name: vtsOci13 • Value: 288
vtsOci14	• Name: vtsOci14 • Value: 289
vtsOci15	• Name: vtsOci15 • Value: 290
vtsOci16	• Name: vtsOci16 • Value: 291
vtsOci17	• Name: vtsOci17 • Value: 292
vtsOci18	• Name: vtsOci18 • Value: 293
vtsOci19	• Name: vtsOci19 • Value: 294

(16 of 18)

Name	Value
vtsOci1	• Name: vtsOci1 • Value: 245
vtsOci20	• Name: vtsOci20 • Value: 295
vtsOci21	• Name: vtsOci21 • Value: 296
vtsOci22	• Name: vtsOci22 • Value: 297
vtsOci23	• Name: vtsOci23 • Value: 298
vtsOci24	• Name: vtsOci24 • Value: 299
vtsOci25	• Name: vtsOci25 • Value: 300
vtsOci26	• Name: vtsOci26 • Value: 301
vtsOci27	• Name: vtsOci27 • Value: 302
vtsOci28	• Name: vtsOci28 • Value: 303
vtsOci29	• Name: vtsOci29 • Value: 304
vtsOci2	• Name: vtsOci2 • Value: 246
vtsOci30	• Name: vtsOci30 • Value: 305
vtsOci31	• Name: vtsOci31 • Value: 306
vtsOci32	• Name: vtsOci32 • Value: 307
vtsOci3	• Name: vtsOci3 • Value: 247
vtsOci4	• Name: vtsOci4 • Value: 248
vtsOci5	• Name: vtsOci5 • Value: 249
vtsOci6	• Name: vtsOci6 • Value: 250
vtsOci7	• Name: vtsOci7 • Value: 251
vtsOci8	• Name: vtsOci8 • Value: 252
vtsOci9	• Name: vtsOci9 • Value: 253

(17 of 18)

Name	Value
warnTca	• Name: warnTca • Value: 105
wkSwBk	• Name: wkSwBk • Value: 109
wkSwPr	• Name: wkSwPr • Value: 84

(18 of 18)

Table 55-80 TrapEntityType

Name	Value
all	• Name: all • Value: 1
cbr2g5	• Name: cbr2g5 • Value: 24
cbrar	• Name: cbrar • Value: 27
com	• Name: com • Value: 12
env	• Name: env • Value: 16
eqpt	• Name: eqpt • Value: 3
fc10g	• Name: fc10g • Value: 23
fc1g	• Name: fc1g • Value: 20
fc2g	• Name: fc2g • Value: 21
fc4g	• Name: fc4g • Value: 22
fc8g	• Name: fc8g • Value: 33
gige	• Name: gige • Value: 4
hundredGige	• Name: hundredGige • Value: 34
log	• Name: log • Value: 13
oc12stm4	• Name: oc12stm4 • Value: 18
oc192stm64	• Name: oc192stm64 • Value: 5

(1 of 2)

Name	Value
oc3stm1	• Name: oc3stm1 • Value: 17
oc48stm16	• Name: oc48stm16 • Value: 6
oc768stm256	• Name: oc768stm256 • Value: 30
och	• Name: och • Value: 7
odu1	• Name: odu1 • Value: 25
odu2	• Name: odu2 • Value: 26
odu3	• Name: odu3 • Value: 29
odu4	• Name: odu4 • Value: 32
ofa	• Name: ofa • Value: 8
ots	• Name: ots • Value: 9
otu1	• Name: otu1 • Value: 10
otu2	• Name: otu2 • Value: 11
otu3	• Name: otu3 • Value: 28
otu4	• Name: otu4 • Value: 31
plk	• Name: plk • Value: 14
pm	• Name: pm • Value: 15
sdsdi	• Name: sdsdi • Value: 35
session	• Name: session • Value: 19
tenGige	• Name: tenGige • Value: 2

(2 of 2)

Table 55-81 TraversalType

Name	Value
A->Z	• Name: az • Value: 1
Both	• Name: both • Value: 3
Z->A	• Name: za • Value: 2

Table 55-82 VTSClsMode

Name	Value
CE-VLAN Tagged	• Name: cvlan • Value: 1
Destination IP Address	• Name: dip • Value: 4
PORT	• Name: port • Value: 6
S-VLAN Tagged	• Name: svlan • Value: 2
Source and Destination IPAddress	• Name: sipdip • Value: 5
Source IP Address	• Name: sip • Value: 3

Table 55-83 VtsConnAdminAndOperState

Name	Value
Down	• Name: down • Value: 2
Up	• Name: up • Value: 1

Table 55-84 VTSDirection

Name	Value
Egress	• Name: Egress • Value: 1
Ingress and Egress	• Name: IngressAndEgress • Value: 3
Ingress	• Name: Ingress • Value: 2

Table 55-85 VtsSource

Name	Value
C10	• Name: c10 • Value: 11
C11	• Name: c11 • Value: 12
C12	• Name: c12 • Value: 13
C1	• Name: c1 • Value: 2
C2	• Name: c2 • Value: 3
C3	• Name: c3 • Value: 4
C4	• Name: c4 • Value: 5
C5	• Name: c5 • Value: 6
C6	• Name: c6 • Value: 7
C7	• Name: c7 • Value: 8
C8	• Name: c8 • Value: 9
C9	• Name: c9 • Value: 10
L1-10	• Name: l1slot10 • Value: 23
L1-1	• Name: l1slot1 • Value: 14
L1-2	• Name: l1slot2 • Value: 15

(1 of 2)

Name	Value
L1-3	• Name: l1slot3 • Value: 16
L1-4	• Name: l1slot4 • Value: 17
L1-5	• Name: l1slot5 • Value: 18
L1-6	• Name: l1slot6 • Value: 19
L1-7	• Name: l1slot7 • Value: 20
L1-8	• Name: l1slot8 • Value: 21
L1-9	• Name: l1slot9 • Value: 22
L2-10	• Name: l2slot10 • Value: 33
L2-1	• Name: l2slot1 • Value: 24
L2-2	• Name: l2slot2 • Value: 25
L2-3	• Name: l2slot3 • Value: 26
L2-4	• Name: l2slot4 • Value: 27
L2-5	• Name: l2slot5 • Value: 28
L2-6	• Name: l2slot6 • Value: 29
L2-7	• Name: l2slot7 • Value: 30
L2-8	• Name: l2slot8 • Value: 31
L2-9	• Name: l2slot9 • Value: 32
None	• Name: none • Value: 1

(2 of 2)

Table 55-86 WavekeySelect

Name	Value
Auto Keying (NE)	• Name: auto • Value: 1
Auto Keying (NMS)	• Name: manual • Value: 2
Unkeyed	• Name: unkey • Value: 3

Table 55-87 WtdUsageType

Name	Value
WTD Inferred	• Name: wtdInferred • Value: 5
WTD Internal,Power-pre-channel Enabled Off, Alarms Off	• Name: wtdPpcOffAlmOff • Value: 2
WTD Internal,Power-pre-channel Enabled On, Alarms Off	• Name: wtdPpcOnAlmOff • Value: 3
WTD Internal,Power-pre-channel Enabled On, Alarms On	• Name: wtdPpcOnAlmOn • Value: 1
WTOCM	• Name: wtocm • Value: 4

Table 55-88 XcState

Name	Value
Down	• Name: down • Value: 2
Unknown	• Name: unkown • Value: 3
Up	• Name: up • Value: 1

Table 55-89 XfpType

Name	Value
1000B-CX	• Name: ct1000BCX • order: 24 • Value: 63
1000B-LX	• Name: ct1000BLX • order: 25 • Value: 65
1000B-SX	• Name: ct1000BSX • order: 26 • Value: 64
1000B-T	• Name: ct1000BT • order: 27 • Value: 62
1000B-ZX	• Name: ct1000BZX • order: 28 • Value: 66
1000B	• Name: ct1000B • order: 22 • Value: 29
100BFXS	• Name: ct100BFXS • order: 104 • Value: 104
100BLX10	• Name: ct100BLX10 • order: 23 • Value: 88
10GB-ER	• Name: ct10GBER • order: 14 • Value: 76
10GB-EW	• Name: ct10GBEW • order: 15 • Value: 80
10GB-LR	• Name: ct10GBLR • order: 17 • Value: 75
10GB-LRM	• Name: ct10GBLRM • order: 18 • Value: 77
10GB-LW	• Name: ct10GBLW • order: 19 • Value: 79
10GB-SR	• Name: ct10GBSR • order: 16 • Value: 74
10GB-SW	• Name: ct10GBSW • order: 20 • Value: 78

(1 of 7)

Name	Value
10GB-ZR	• Name: ct10GBZR • order: 21 • Value: 87
10GB	• Name: ct10GB • order: 13 • Value: 30
2FCLC-L	• Name: ct2FCLCL • order: 4 • Value: 53
2FCSN-I	• Name: ct2FCSNI • order: 3 • Value: 52
4FC-OC	• Name: ct4FCOC • order: 5 • Value: 95
4FC-OD	• Name: ct4FCOD • order: 6 • Value: 96
4FCLC-L	• Name: ct4FCLCL • order: 7 • Value: 55
4FCSN-I	• Name: ct4FCSNI • order: 8 • Value: 54
8FCLC-L	• Name: ct8FCLCL • order: 10 • Value: 57
8FCLC-LC	• Name: ct8FCLCLC • order: 11 • Value: 58
8FCLC-LD	• Name: ct8FCLCLD • order: 12 • Value: 59
8FCSN-I	• Name: ct8FCSNI • order: 9 • Value: 56
ANY DATA S	• Name: ctAnyDATAS • order: 29 • Value: 41
ANY DATA X	• Name: ctAnyDATAX • order: 30 • Value: 42
ANY OC12	• Name: ctAnyOC12 • order: 32 • Value: 38

(2 of 7)

Name	Value
ANY OC192	• Name: ctAnyOC192 • order: 34 • Value: 40
ANY OC3	• Name: ctAnyOC3 • order: 31 • Value: 37
ANY OC48	• Name: ctAnyOC48 • order: 33 • Value: 39
Auto	• Name: auto • order: 1 • Value: 1
BNCDV-RX	• Name: ctBncdvRx • order: 35 • Value: 91
BNCDV-TX	• Name: ctBncdvTx • order: 36 • Value: 92
C113G10C	• Name: ctC113G10C • order: 39 • Value: 94
C113G4C	• Name: ctC113G4C • order: 37 • Value: 93
C113G4Cd	• Name: ctC113G4Cd • order: 38 • Value: 106
ETHEMR	• Name: ctETHEMR • order: 40 • Value: 32
FE-BX40D	• Name: ctFeBx40D • order: 43 • Value: 102
FE-BX40U	• Name: ctFeBx40U • order: 42 • Value: 101
fVOA	• Name: ctEvoaFast • order: 41 • Value: 85
GE-BX20D	• Name: ctGeBx20D • order: 45 • Value: 98
GE-BX20U	• Name: ctGeBx20U • order: 44 • Value: 97

(3 of 7)

Name	Value
GE-BX40D	• Name: ctGeBx40D • order: 47 • Value: 100
GE-BX40U	• Name: ctGeBx40U • order: 46 • Value: 99
L-4.1	• Name: ctL41 • order: 48 • Value: 35
L-4.2	• Name: ctL42 • order: 49 • Value: 36
S-4.1	• Name: ctS41 • order: 50 • Value: 34
SEU-1.20	• Name: ctSEU12O • order: 52 • Value: 89
SI-1.1	• Name: ctSi11 • order: 53 • Value: 3
SI-16.1	• Name: ctSi161 • order: 55 • Value: 8
SI-4.1	• Name: ctSi41 • order: 54 • Value: 47
SL-1.1	• Name: ctSl11 • order: 56 • Value: 6
SL-1.2	• Name: ctSl12 • order: 57 • Value: 7
SL-16.1	• Name: ctSl161 • order: 60 • Value: 11
SL-16.20	• Name: ctSl162O • order: 62 • Value: 84
SL-16.2	• Name: ctSl162 • order: 61 • Value: 12
SL-16.2C	• Name: ctSl162C • order: 63 • Value: 27

(4 of 7)

Name	Value
SL-16.2D	• Name: ctSl162D • order: 64 • Value: 45
SL-4.1	• Name: ctSl41 • order: 58 • Value: 50
SL-4.2	• Name: ctSl42 • order: 59 • Value: 51
SS-1.1	• Name: ctSs11 • order: 65 • Value: 4
SS-1.2	• Name: ctSs12 • order: 66 • Value: 5
SS-16.1	• Name: ctSs161 • order: 69 • Value: 9
SS-16.1A	• Name: ctSs161A • order: 70 • Value: 61
SS-16.1AR	• Name: ctSs161AR • order: 71 • Value: 31
SS-16.20	• Name: ctSs162O • order: 73 • Value: 83
SS-16.2	• Name: ctSs162 • order: 72 • Value: 10
SS-16.2C	• Name: ctSs162C • order: 74 • Value: 26
SS-4.1	• Name: ctSs41 • order: 67 • Value: 48
SS-4.2	• Name: ctSs42 • order: 68 • Value: 49
SUL-1.1	• Name: ctSul11 • order: 75 • Value: 46
SUL-1.20	• Name: ctSul12O • order: 77 • Value: 82

(5 of 7)

Name	Value
SUL-1.2	• Name: ctSul12 • order: 76 • Value: 60
sVOA	• Name: ctEvoaSlow • order: 51 • Value: 86
User	• Name: user • order: 2 • Value: 2
X8FCLC-L	• Name: ctX8FCLCL • order: 105 • Value: 105
XI-64.1	• Name: ctXi641 • order: 78 • Value: 13
XI-64.1R	• Name: ctXi641R • order: 79 • Value: 67
XI-64.2	• Name: ctXi642 • order: 80 • Value: 14
XI-64.2C	• Name: ctXi642C • order: 81 • Value: 28
XI-64.2R	• Name: ctXi642R • order: 82 • Value: 68
XI-64.3	• Name: ctXi643 • order: 83 • Value: 15
XI-64.5	• Name: ctXi645 • order: 84 • Value: 16
XL-64.1	• Name: ctXl641 • order: 85 • Value: 21
XL-64.2	• Name: ctXl642 • order: 86 • Value: 22
XL-64.2A	• Name: ctXl642A • order: 87 • Value: 72
XL-64.2C	• Name: ctXL642C • order: 88 • Value: 43

(6 of 7)

Name	Value
XL-64.2D	• Name: ctXL642D • order: 89 • Value: 44
XL-64.3	• Name: ctXl643 • order: 90 • Value: 23
XL-64TU	• Name: ctXl64Tu • order: 91 • Value: 90
XP-1L12D2	• Name: ctXP1L12D2 • order: 92 • Value: 33
XS-64.1	• Name: ctXs641 • order: 93 • Value: 17
XS-64.2A	• Name: ctXs642A • order: 94 • Value: 69
XS-64.2B	• Name: ctXs642B • order: 95 • Value: 18
XS-64.2C	• Name: ctXs642C • order: 96 • Value: 81
XS-64.3	• Name: ctXs643 • order: 97 • Value: 19
XS-64.3A	• Name: ctXs643A • order: 98 • Value: 70
XS-64.5	• Name: ctXs645 • order: 99 • Value: 20
XS-64.5A	• Name: ctXs645A • order: 100 • Value: 71
XV-64.2	• Name: ctXv642 • order: 101 • Value: 24
XV-64.2A	• Name: ctXv642A • order: 102 • Value: 73
XV-64.3	• Name: ctXv643 • order: 103 • Value: 25

(7 of 7)

56 — Opticsperf types

Table 56-1 opticsperftypes parameters

Parameters	
PmcGranularityPeriod	TransferProtocol

Table 56-2 PmcGranularityPeriod

Name	Value
15	• Name: 15minutes • order: 1 • Value: 900
30	• Name: 30minutes • order: 2 • Value: 1800
45	• Name: 45minutes • order: 3 • Value: 2700
60	• Name: 60minutes • order: 4 • Value: 3600

Table 56-3 TransferProtocol

Name	Value
FTP	• Name: ftp • Value: 1
SFTP	• Name: sftp • Value: 2
TFTP	• Name: tftp • Value: 3

57 — RTR types

Table 57-1 InetAddressType

Name	Value
DNS	• Name: dns • selectable: no • Value: 16
IPv4 Multicast	• Name: ipv4Mcast • selectable: no • Value: 128
IPv4	• Name: ipv4 • Value: 1
IPv4z	• Name: ipv4z • selectable: no • Value: 3
IPv6 Multicast	• Name: ipv6Mcast • selectable: no • Value: 129
IPv6	• Name: ipv6 • Value: 2
IPv6z	• Name: ipv6z • Value: 4
Unknown	• Name: unknown • selectable: no • Value: 0

58 — SNMP types

Table 58-1 snmptypes parameters

Parameters	
AdminState	PollingInterval

Table 58-2 AdminState

Name	Value
Down	• Name: down • Value: 2
Up	• Name: up • Value: 1

Table 58-3 PollingInterval

Name	Value
1 hour, 15 minutes	• Name: 1hour_15minutes • order: 7 • Value: 75
1 hour, 30 minutes	• Name: 1hour_30minutes • order: 8 • Value: 90

(1 of 3)

Name	Value
1 hour, 45 minutes	• Name: 1hour_45minutes • order: 9 • Value: 105
1 hour	• Name: 1hour • order: 6 • Value: 60
12 hours	• Name: 12hours • order: 17 • Value: 720
15 minutes	• Name: 15minutes • order: 3 • Value: 15
2 hours, 15 minutes	• Name: 2hours_15minutes • order: 11 • Value: 135
2 hours, 30 minutes	• Name: 2hours_30minutes • order: 12 • Value: 150
2 hours, 45 minutes	• Name: 2hours_45minutes • order: 13 • Value: 165
2 hours	• Name: 2hours • order: 10 • Value: 120
24 hours	• Name: 24hours • order: 18 • Value: 1440
3 hours	• Name: 3hours • order: 14 • Value: 180
30 minutes	• Name: 30minutes • order: 4 • Value: 30
4 hours	• Name: 4hours • order: 15 • Value: 240
45 minutes	• Name: 45minutes • order: 5 • Value: 45
48 hours	• Name: 48hours • order: 19 • Value: 2880
5 minutes	• Name: 5minutes • order: 2 • Value: 5

(2 of 3)

Name	Value
8 hours	• Name: 8hours • order: 16 • Value: 480
Disabled	• Name: disabled • order: 1 • Value: -1

(3 of 3)

Customer documentation and product support

Customer documentation

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

Product manuals and documentation updates are available at alcatel-lucent.com. If you are a new user and require access to this service, please contact your Alcatel-Lucent sales representative.

Technical Support

http://support.alcatel-lucent.com

Documentation feedback

documentation.feedback@alcatel-lucent.com

3HE 06512 AAAC TQZZA Edition 01