Alcatel-Lucent 5620

SERVICE AWARE MANAGER | RELEASE 9.0 R1

OPTICAL PARAMETER REFERENCE

3HE 06512 AAAA TQZZA Edition 01

Alcatel-Lucent Proprietary
This document contains proprietary information of Alcatel-Lucent and is not to be disclosed or used except in accordance with applicable agreements.
Copyright 2011 © Alcatel-Lucent. All rights reserved.

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

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

Copyright 2011 Alcatel-Lucent.
All rights reserved.

Disclaimers

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

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

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

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

When printed by Alcatel-Lucent, this document is printed on recycled paper.

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 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 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.
5620 SAM optical documentation	

(3 of 4)

Guide	Description
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

Preface **ix**

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

1830 PSS parameters

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

1.1 5620 SAM Optical Parameter Reference overview 1-2
Audience 1-2
5620 SAM Optical Parameter Reference structure 1-2
Parameter information 1-2

2 — ActiveAlarmEntry **2-1**

3 — ApsGroup **3-1**

4 — ApsGroupBinding **4-1**

5 — ApsMember 5-1

6 — Constraint 6-1

7 — CrossConnect 7-1

8 — Hop 8-1

9 — OchCrossConnect 9-1

10 — OCHTrail 10-1

11 — OpticalCardSpecifics 11-1

12 — OpticalLink 12-1

13 — OpticalNeProperties 13-1

14 — OpticalPortSpecifics 14-1

15 — OpticalShelfSpecifics 15-1

16 — OTCrossConnect 16-1

17 — ServicePathBinding 17-1

18 — ServicePath 18-1

19 — ServiceSite 19-1

20 — TCAProfileAssigner 20-1

21 — TerminationPoint 21-1

22 — TrailBinding 22-1

23 — Trail **23-1**

24 — TransportService **24-1**

25 — UnexpectedWtKeyEntry **25-1**

26 — VtsConnection **26-1**

27 — VtsMap **27-1**

28 — WaveTrackerKeyDecodeEntry **28-1**

29 — WaveTrackerKeyEntry **29-1**

30 — YLink **30-1**

1830 PSS parameters

1 — 5620 SAM 1830 PSS Parameter Reference overview

1 — 5620 SAM 1830 PSS Parameter Reference overview

1.1 5620 SAM Optical Parameter Reference overview *1-2*

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.

2 — ActiveAlarmEntry

Table 2-1 ActiveAlarmEntry parameters

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

Table 2-2 alarmCategory

Name	Value
Description	tnActiveAlarmCategory - The active alarm's category.
Type	Enum

Values	• Critical
	  • value: 1
	  • displayed: Critical
	• Major
	  • value: 2
	  • displayed: Minor
	• Minor
	  • value: 3
	  • displayed: Minor

(1 of 2)

Name	Value

Values (continued)	• StateChange
	  • value: 4
	  • displayed: State Change
	• generalEvents
	  • value: 5
	  • displayed: General Event
	• notAlarmed
	  • value: 6
	  • displayed: Not Alarmed
	• none
	  • value: 7
	  • displayed: None
	• unknown
	  • value: 8
	  • displayed: Unknown
	• notReported
	  • value: 9
	  • displayed: Not Reported
	• security
	  • value: 10
	  • displayed: Security

(2 of 2)

Table 2-3 alarmCondition

Name	Value
Description	tnActiveAlarmCondition - The condition.
Type	Enum

Values	• aisLmsAis
	  • value: 1
	  • displayed: aisLmsAis
	• allChanMiss
	  • value: 2
	  • displayed: allChanMiss
	• ampDisabled
	  • value: 3
	  • displayed: ampDisabled
	• ampEol
	  • value: 4
	  • displayed: ampEol
	• apsB
	  • value: 5
	  • displayed: apsB
	• apsCm
	  • value: 6
	  • displayed: apsCm
	• apsMm
	  • value: 7
	  • displayed: apsMm

(1 of 21)

Name	Value

Values (continued)	• apsNoRed
	  • value: 8
	  • displayed: apsNoRed
	• brkTrip
	  • value: 9
	  • displayed: brkTrip
	• capBufr
	  • value: 10
	  • displayed: capBufr
	• cardInBoot
	  • value: 11
	  • displayed: cardInBoot
	• cardInit
	  • value: 12
	  • displayed: cardInit
	• cardInitFail
	  • value: 13
	  • displayed: cardInitFail
	• cardSanity
	  • value: 14
	  • displayed: cardSanity
	• contCom
	  • value: 15
	  • displayed: contCom
	• contr
	  • value: 16
	  • displayed: contr
	• dbFull
	  • value: 17
	  • displayed: dbFull
	• dbInvalid
	  • value: 18
	  • displayed: dbInvalid
	• dbMemTrf
	  • value: 19
	  • displayed: dbMemTrf
	• dwAis
	  • value: 20
	  • displayed: dwAis
	• dwLof
	  • value: 21
	  • displayed: dwLof
	• dwSd
	  • value: 22
	  • displayed: dwSd
	• dwSf
	  • value: 23
	  • displayed: dwSf
	• eqpt
	  • value: 24
	  • displayed: eqpt
	• facTerm
	  • value: 25
	  • displayed: facTerm

(2 of 21)

Name	Value

Values (continued)	• fanSpeed
	  • value: 26
	  • displayed: fanSpeed
	• feAls
	  • value: 27
	  • displayed: feAls
	• feFlt
	  • value: 28
	  • displayed: feFlt
	• fePrLf
	  • value: 29
	  • displayed: fePrLf
	• flt
	  • value: 30
	  • displayed: flt
	• frcdWkSwBk
	  • value: 31
	  • displayed: frcdWkSwBk
	• frcdWkSwPr
	  • value: 32
	  • displayed: frcdWkSwPr
	• hdFail
	  • value: 33
	  • displayed: hdFail
	• hdFull
	  • value: 34
	  • displayed: hdFull
	• highGain
	  • value: 35
	  • displayed: highGain
	• int
	  • value: 36
	  • displayed: int
	• intSft
	  • value: 37
	  • displayed: intSft
	• intTemp
	  • value: 38
	  • displayed: intTemp
	• linkDown
	  • value: 39
	  • displayed: linkDown
	• lockoutToPr
	  • value: 40
	  • displayed: lockoutToPr
	• lof
	  • value: 41
	  • displayed: lof
	• loGain
	  • value: 42
	  • displayed: loGain
	• los
	  • value: 43
	  • displayed: los

(3 of 21)

Name	Value

Values (continued)	• losOut
	  • value: 44
	  • displayed: losOut
	• lostClock
	  • value: 45
	  • displayed: lostClock
	• lpbkLine
	  • value: 46
	  • displayed: lpbkLine
	• lpbkTerm
	  • value: 47
	  • displayed: lpbkTerm
	• lsrOutDgr
	  • value: 48
	  • displayed: lsrOutDgr
	• manWkSwBk
	  • value: 49
	  • displayed: manWkSwBk
	• manWkSwPr
	  • value: 50
	  • displayed: manWkSwPr
	• mismatch
	  • value: 51
	  • displayed: mismatch
	• mod
	  • value: 52
	  • displayed: mod
	• neAls
	  • value: 53
	  • displayed: neAls
	• neFlt
	  • value: 54
	  • displayed: neFlt
	• net
	  • value: 55
	  • displayed: net
	• ochCollision
	  • value: 56
	  • displayed: ochCollision
	• ochIntErr
	  • value: 57
	  • displayed: ochIntErr
	• ochMissing
	  • value: 58
	  • displayed: ochMissing
	• ochUnknown
	  • value: 59
	  • displayed: ochUnknown
	• opr
	  • value: 60
	  • displayed: opr
	• oprUnachieve
	  • value: 61
	  • displayed: oprUnachieve

(4 of 21)

Name	Value

Values (continued)	• ovrld
	  • value: 62
	  • displayed: ovrld
	• prcdrErr
	  • value: 63
	  • displayed: prcdrErr
	• pwr
	  • value: 64
	  • displayed: pwr
	• replUnitMiss
	  • value: 65
	  • displayed: replUnitMiss
	• rfi
	  • value: 66
	  • displayed: rfi
	• rfiLmsRfi
	  • value: 67
	  • displayed: rfiLmsRfi
	• sd
	  • value: 68
	  • displayed: sd
	• sf
	  • value: 69
	  • displayed: sf
	• swEqpt
	  • value: 70
	  • displayed: swEqpt
	• swMtxMod
	  • value: 71
	  • displayed: swMtxMod
	• sync
	  • value: 72
	  • displayed: sync
	• syncClk
	  • value: 73
	  • displayed: syncClk
	• syncEqpt
	  • value: 74
	  • displayed: syncEqpt
	• syncOos
	  • value: 75
	  • displayed: syncOos
	• termOc192stm64
	  • value: 76
	  • displayed: termOc192stm64
	• termOc312stm14
	  • value: 77
	  • displayed: termOc312stm14
	• termOc48stm16
	  • value: 78
	  • displayed: termOc48stm16
	• termOtu1
	  • value: 79
	  • displayed: termOtu1

(5 of 21)

Name	Value

Values (continued)	• termOtu2
	  • value: 80
	  • displayed: termOtu2
	• tim
	  • value: 81
	  • displayed: tim
	• trmt
	  • value: 82
	  • displayed: trmt
	• unknown
	  • value: 83
	  • displayed: unknown
	• wkSwPr
	  • value: 84
	  • displayed: wkSwPr
	• sysBoot
	  • value: 85
	  • displayed: sysBoot
	• unknownNotif
	  • value: 86
	  • displayed: unknownNotif
	• change
	  • value: 87
	  • displayed: change
	• almRSync
	  • value: 88
	  • displayed: almRSync
	• almRSyncEnd
	  • value: 89
	  • displayed: almRSyncEnd
	• linkUp
	  • value: 90
	  • displayed: linkUp
	• crdInit
	  • value: 91
	  • displayed: crdInit
	• configFail
	  • value: 92
	  • displayed: configFail
	• sysInit
	  • value: 93
	  • displayed: sysInit
	• syncCommand
	  • value: 94
	  • displayed: syncCommand
	• syncActRef
	  • value: 95
	  • displayed: syncActRef
	• syncClkUnit
	  • value: 96
	  • displayed: syncClkUnit
	• ledState
	  • value: 97
	  • displayed: ledState

(6 of 21)

Name	Value

Values (continued)	• intErr
	  • value: 98
	  • displayed: intErr
	• seepScrub
	  • value: 99
	  • displayed: seepScrub
	• unexWkSet
	  • value: 100
	  • displayed: unexWkSet
	• ccActChg
	  • value: 101
	  • displayed: ccActChg
	• crTca
	  • value: 102
	  • displayed: crTca
	• mjTca
	  • value: 103
	  • displayed: mjTca
	• mnTca
	  • value: 104
	  • displayed: mnTca
	• warnTca
	  • value: 105
	  • displayed: warnTca
	• binsRolled
	  • value: 106
	  • displayed: binsRolled
	• swUpgrade
	  • value: 107
	  • displayed: swUpgrade
	• swUpgFail
	  • value: 108
	  • displayed: swUpgFail
	• wkSwBk
	  • value: 109
	  • displayed: wkSwBk
	• pwrMgtOff
	  • value: 110
	  • displayed: pwrMgtOff
	• invalidTopo
	  • value: 111
	  • displayed: invalidTopo
	• man
	  • value: 112
	  • displayed: man
	• syncClkMode
	  • value: 113
	  • displayed: syncClkMode
	• syncMode
	  • value: 114
	  • displayed: syncMode
	• swToSec
	  • value: 115
	  • displayed: swToSec

(7 of 21)

Name	Value

Values (continued)	• ochKeyDup
	  • value: 116
	  • displayed: ochKeyDup
	• ochKeyOverlap
	  • value: 117
	  • displayed: ochKeyOverlap
	• ochTrailDup
	  • value: 118
	  • displayed: ochTrailDup
	• authFail
	  • value: 119
	  • displayed: authFail
	• lockoutOfPr
	  • value: 120
	  • displayed: lockoutOfPr
	• intrusion
	  • value: 121
	  • displayed: intrusion
	• syncStatChng
	  • value: 122
	  • displayed: syncStatChng
	• facServ
	  • value: 123
	  • displayed: facServ
	• bkupCom
	  • value: 124
	  • displayed: bkupCom
	• contEqpt
	  • value: 125
	  • displayed: contEqpt
	• swUpgCommit
	  • value: 126
	  • displayed: swUpgCommit
	• lopPauLop
	  • value: 127
	  • displayed: lopPauLop
	• syncClkHldovr
	  • value: 128
	  • displayed: syncClkHldovr
	• syncClkFrng
	  • value: 129
	  • displayed: syncClkFrng
	• arcIND
	  • value: 130
	  • displayed: arcIND
	• vcgDown
	  • value: 131
	  • displayed: vcgDown
	• dataFlt
	  • value: 132
	  • displayed: dataFlt
	• sfMismatch
	  • value: 133
	  • displayed: sfMismatch

(8 of 21)

Name	Value

Values (continued)	• usAls
	  • value: 134
	  • displayed: usAls
	• usFlt
	  • value: 135
	  • displayed: usFlt
	• aisPauAis
	  • value: 136
	  • displayed: aisPauAis
	• rfiPauRfi
	  • value: 137
	  • displayed: rfiPauRfi
	• plmPauPlm
	  • value: 138
	  • displayed: plmPauPlm
	• pdiPauPdi
	  • value: 139
	  • displayed: pdiPauPdi
	• gfpLof
	  • value: 140
	  • displayed: gfpLof
	• gfpSsf
	  • value: 141
	  • displayed: gfpSsf
	• vcgLoa
	  • value: 142
	  • displayed: vcgLoa
	• vcgMap
	  • value: 143
	  • displayed: vcgMap
	• ochFdi
	  • value: 144
	  • displayed: ochFdi
	• ochPwrUnstable
	  • value: 145
	  • displayed: ochPwrUnstable
	• manSwToPri
	  • value: 146
	  • displayed: manSwToPri
	• manSwToSec
	  • value: 147
	  • displayed: manSwToSec
	• usAis
	  • value: 148
	  • displayed: usAis
	• usSFEber
	  • value: 149
	  • displayed: usSFEber
	• fecFail
	  • value: 150
	  • displayed: fecFail
	• plm
	  • value: 151
	  • displayed: plm

(9 of 21)

Name	Value

Values (continued)	• usIdle
	  • value: 152
	  • displayed: usIdle
	• comm
	  • value: 153
	  • displayed: comm
	• pwrSusp
	  • value: 154
	  • displayed: pwrSusp
	• contrenFail
	  • value: 155
	  • displayed: contrenFail
	• contrenDgr
	  • value: 156
	  • displayed: contrenDgr
	• chkBkplane
	  • value: 157
	  • displayed: chkBkplane
	• allChanMissOut
	  • value: 158
	  • displayed: allChanMissOut
	• ochCollisionOut
	  • value: 159
	  • displayed: ochCollisionOut
	• ochUnknownOut
	  • value: 160
	  • displayed: ochUnknownOut
	• oprOut
	  • value: 161
	  • displayed: oprOut
	• pwrAdjReq
	  • value: 162
	  • displayed: pwrAdjReq
	• pwrAdjFail
	  • value: 163
	  • displayed: pwrAdjFail
	• vcMfi
	  • value: 164
	  • displayed: vcMfi
	• eqptDgrOut
	  • value: 165
	  • displayed: eqptDgrOut
	• contrOut
	  • value: 166
	  • displayed: contrOut
	• ochPdi
	  • value: 167
	  • displayed: ochPdi
	• autoReset
	  • value: 168
	  • displayed: autoReset
	• pwrMargin
	  • value: 169
	  • displayed: pwrMargin

(10 of 21)

Name	Value

Values (continued)	• contBus
	  • value: 170
	  • displayed: contBus
	• contrDup
	  • value: 171
	  • displayed: contrDup
	• missing
	  • value: 172
	  • displayed: missing
	• facTermDev
	  • value: 173
	  • displayed: facTermDev
	• facTermDgr
	  • value: 174
	  • displayed: facTermDgr
	• mtcesurv
	  • value: 175
	  • displayed: mtcesurv
	• mtcesurvDgr
	  • value: 176
	  • displayed: mtcesurvDgr
	• contComm
	  • value: 177
	  • displayed: contComm
	• manReset
	  • value: 178
	  • displayed: manReset
	• pwrAlmp
	  • value: 179
	  • displayed: pwrAlmp
	• pwrFan
	  • value: 180
	  • displayed: pwrFan
	• pdi
	  • value: 181
	  • displayed: pdi
	• sft
	  • value: 182
	  • displayed: sft
	• swftDwn
	  • value: 183
	  • displayed: swftDwn
	• inhMsgPmRept
	  • value: 184
	  • displayed: inhMsgPmRept
	• slcr
	  • value: 185
	  • displayed: slcr
	• laserOffLpbk
	  • value: 186
	  • displayed: laserOffLpbk
	• otuAis
	  • value: 187
	  • displayed: otuAis

(11 of 21)

Name	Value

Values (continued)	• ochTrailUnknown
	  • value: 188
	  • displayed: ochTrailUnknown
	• netCraft
	  • value: 189
	  • displayed: netCraft
	• usOchCollision
	  • value: 190
	  • displayed: usOchCollision
	• syncClkFail
	  • value: 191
	  • displayed: syncClkFail
	• syncSys
	  • value: 192
	  • displayed: syncSys
	• syncSysOos
	  • value: 193
	  • displayed: syncSysOos
	• usLos
	  • value: 194
	  • displayed: usLos
	• eqptDgr
	  • value: 195
	  • displayed: eqptDgr
	• dbErr
	  • value: 196
	  • displayed: dbErr
	• dwLom
	  • value: 197
	  • displayed: dwLom
	• prcdrErrOut
	  • value: 198
	  • displayed: prcdrErrOut
	• oprIngress
	  • value: 199
	  • displayed: oprIngress
	• eqptDgrMon
	  • value: 200
	  • displayed: eqptDgrMon
	• prcdrErrTopo
	  • value: 201
	  • displayed: prcdrErrTopo
	• userEqptMismatch
	  • value: 202
	  • displayed: userEqptMismatch
	• envInput1Active
	  • value: 203
	  • displayed: envInput1Active
	• envInput2Active
	  • value: 204
	  • displayed: envInput2Active
	• sdegO
	  • value: 205
	  • displayed: sdegO

(12 of 21)

Name	Value

Values (continued)	• losDcm
	  • value: 206
	  • displayed: losDcm
	• baseline
	  • value: 207
	  • displayed: baseline
	• lss
	  • value: 208
	  • displayed: lss
	• lfd
	  • value: 209
	  • displayed: lfd
	• upm
	  • value: 210
	  • displayed: upm
	• vcgSsf
	  • value: 211
	  • displayed: vcgSsf
	• fePortMismatch
	  • value: 212
	  • displayed: fePortMismatch
	• feLss
	  • value: 213
	  • displayed: feLss
	• feLos
	  • value: 214
	  • displayed: feLos
	• feLfi
	  • value: 215
	  • displayed: feLfi
	• feRfi
	  • value: 216
	  • displayed: feRfi
	• lofEgr
	  • value: 217
	  • displayed: lofEgr
	• lssEgr
	  • value: 218
	  • displayed: lssEgr
	• lfiEgr
	  • value: 219
	  • displayed: lfiEgr
	• rfiEgr
	  • value: 220
	  • displayed: rfiEgr
	• lck
	  • value: 221
	  • displayed: lck
	• oci
	  • value: 222
	  • displayed: oci
	• ssf
	  • value: 223
	  • displayed: ssf

(13 of 21)

Name	Value

Values (continued)	• bdi
	  • value: 224
	  • displayed: bdi
	• hiBer
	  • value: 225
	  • displayed: hiBer
	• excessLoad
	  • value: 226
	  • displayed: excessLoad
	• losP
	  • value: 227
	  • displayed: losP
	• deg
	  • value: 228
	  • displayed: deg
	• lanLos
	  • value: 229
	  • displayed: lanLos
	• lanLfi
	  • value: 230
	  • displayed: lanLfi
	• lanRfi
	  • value: 231
	  • displayed: lanRfi
	• notUsed1
	  • value: 232
	  • displayed: notUsed1
	• notUsed2
	  • value: 233
	  • displayed: notUsed2
	• rdiL
	  • value: 234
	  • displayed: rdiL
	• notUsed3
	  • value: 235
	  • displayed: notUsed3
	• voltage
	  • value: 236
	  • displayed: voltage
	• boardEqpt
	  • value: 237
	  • displayed: boardEqpt
	• init
	  • value: 238
	  • displayed: init
	• dbFl
	  • value: 239
	  • displayed: dbFl
	• dbFt
	  • value: 240
	  • displayed: dbFt
	• notUsed4
	  • value: 241
	  • displayed: notUsed4

(14 of 21)

Name	Value

Values (continued)	• timOdu
	  • value: 242
	  • displayed: timOdu
	• bdiOdu
	  • value: 243
	  • displayed: bdiOdu
	• ssfOdu
	  • value: 244
	  • displayed: ssfOdu
	• vtsOci1
	  • value: 245
	  • displayed: vtsOci1
	• vtsOci2
	  • value: 246
	  • displayed: vtsOci2
	• vtsOci3
	  • value: 247
	  • displayed: vtsOci3
	• vtsOci4
	  • value: 248
	  • displayed: vtsOci4
	• vtsOci5
	  • value: 249
	  • displayed: vtsOci5
	• vtsOci6
	  • value: 250
	  • displayed: vtsOci6
	• vtsOci7
	  • value: 251
	  • displayed: vtsOci7
	• vtsOci8
	  • value: 252
	  • displayed: vtsOci8
	• vtsOci9
	  • value: 253
	  • displayed: vtsOci9
	• vtsOci10
	  • value: 254
	  • displayed: vtsOci10
	• vtsFdi1
	  • value: 255
	  • displayed: vtsFdi1
	• vtsFdi2
	  • value: 256
	  • displayed: vtsFdi2
	• vtsFdi3
	  • value: 257
	  • displayed: vtsFdi3
	• vtsFdi4
	  • value: 258
	  • displayed: vtsFdi4
	• vtsFdi5
	  • value: 259
	  • displayed: vtsFdi5

(15 of 21)

Name	Value

Values (continued)	• vtsFdi6
	  • value: 260
	  • displayed: vtsFdi6
	• vtsFdi7
	  • value: 261
	  • displayed: vtsFdi7
	• vtsFdi8
	  • value: 262
	  • displayed: vtsFdi8
	• vtsFdi9
	  • value: 263
	  • displayed: vtsFdi9
	• vtsFdi10
	  • value: 264
	  • displayed: vtsFdi10
	• ntpOoSync
	  • value: 265
	  • displayed: ntpOoSync
	• dbUnsync
	  • value: 266
	  • displayed: dbUnsync
	• fwVersionNotDefault
	  • value: 267
	  • displayed: fwVersionNotDefault
	• fwUpgradePending
	  • value: 268
	  • displayed: fwUpgradePending
	• fwPendingObsolete
	  • value: 269
	  • displayed: fwPendingObsolete
	• unknownSfpXfp
	  • value: 270
	  • displayed: unknownSfpXfp
	• mismatchSfpXfp
	  • value: 271
	  • displayed: mismatchSfpXfp
	• losLdSig
	  • value: 272
	  • displayed: losLdSig
	• losO
	  • value: 273
	  • displayed: losO
	• lofO
	  • value: 274
	  • displayed: lofO
	• systemReady
	  • value: 275
	  • displayed: systemReady
	• fpgaInit
	  • value: 276
	  • displayed: fpgaInit
	• fpgaTimeout
	  • value: 277
	  • displayed: fpgaTimeout

(16 of 21)

Name	Value

Values (continued)	• fpgaFail
	  • value: 278
	  • displayed: fpgaFail
	• pwrMaxGain
	  • value: 279
	  • displayed: pwrMaxGain
	• invalidThreshold
	  • value: 280
	  • displayed: invalidThreshold
	• dataErr
	  • value: 281
	  • displayed: dataErr
	• hwRevisionNotSupported
	  • value: 282
	  • displayed: hwRevisionNotSupported
	• farEndLos
	  • value: 283
	  • displayed: farEndLos
	• aprLine
	  • value: 284
	  • displayed: aprLine
	• etrMismatch
	  • value: 285
	  • displayed: etrMismatch
	• vtsOci11
	  • value: 286
	  • displayed: vtsOci11
	• vtsOci12
	  • value: 287
	  • displayed: vtsOci12
	• vtsOci13
	  • value: 288
	  • displayed: vtsOci13
	• vtsOci14
	  • value: 289
	  • displayed: vtsOci14
	• vtsOci15
	  • value: 290
	  • displayed: vtsOci15
	• vtsOci16
	  • value: 291
	  • displayed: vtsOci16
	• vtsOci17
	  • value: 292
	  • displayed: vtsOci17
	• vtsOci18
	  • value: 293
	  • displayed: vtsOci18
	• vtsOci19
	  • value: 294
	  • displayed: vtsOci19
	• vtsOci20
	  • value: 295
	  • displayed: vtsOci20

(17 of 21)

Name	Value

Values (continued)	• vtsOci21
	  • value: 296
	  • displayed: vtsOci21
	• vtsOci22
	  • value: 297
	  • displayed: vtsOci22
	• vtsOci23
	  • value: 298
	  • displayed: vtsOci23
	• vtsOci24
	  • value: 299
	  • displayed: vtsOci24
	• vtsOci25
	  • value: 300
	  • displayed: vtsOci25
	• vtsOci26
	  • value: 301
	  • displayed: vtsOci26
	• vtsOci27
	  • value: 302
	  • displayed: vtsOci27
	• vtsOci28
	  • value: 303
	  • displayed: vtsOci28
	• vtsOci29
	  • value: 304
	  • displayed: vtsOci29
	• vtsOci30
	  • value: 305
	  • displayed: vtsOci30
	• vtsOci31
	  • value: 306
	  • displayed: vtsOci31
	• vtsOci32
	  • value: 307
	  • displayed: vtsOci32
	• vtsFdi11
	  • value: 308
	  • displayed: vtsFdi11
	• vtsFdi12
	  • value: 309
	  • displayed: vtsFdi12
	• vtsFdi13
	  • value: 310
	  • displayed: vtsFdi13
	• vtsFdi14
	  • value: 311
	  • displayed: vtsFdi14
	• vtsFdi15
	  • value: 312
	  • displayed: vtsFdi15
	• vtsFdi16
	  • value: 313
	  • displayed: vtsFdi16

(18 of 21)

Name	Value

Values (continued)	• vtsFdi17
	  • value: 314
	  • displayed: vtsFdi17
	• vtsFdi18
	  • value: 315
	  • displayed: vtsFdi18
	• vtsFdi19
	  • value: 316
	  • displayed: vtsFdi19
	• vtsFdi20
	  • value: 317
	  • displayed: vtsFdi20
	• vtsFdi21
	  • value: 318
	  • displayed: vtsFdi21
	• vtsFdi22
	  • value: 319
	  • displayed: vtsFdi22
	• vtsFdi23
	  • value: 320
	  • displayed: vtsFdi23
	• vtsFdi24
	  • value: 321
	  • displayed: vtsFdi24
	• vtsFdi25
	  • value: 322
	  • displayed: vtsFdi25
	• vtsFdi26
	  • value: 323
	  • displayed: vtsFdi26
	• vtsFdi27
	  • value: 324
	  • displayed: vtsFdi27
	• vtsFdi28
	  • value: 325
	  • displayed: vtsFdi28
	• vtsFdi29
	  • value: 326
	  • displayed: vtsFdi29
	• vtsFdi30
	  • value: 327
	  • displayed: vtsFdi30
	• vtsFdi31
	  • value: 328
	  • displayed: vtsFdi31
	• vtsFdi32
	  • value: 329
	  • displayed: vtsFdi32
	• envInput3Active
	  • value: 330
	  • displayed: envInput3Active
	• envInput4Active
	  • value: 331
	  • displayed: envInput4Active

(19 of 21)

Name	Value

Values (continued)	• envInput5Active
	  • value: 332
	  • displayed: envInput5Active
	• envInput6Active
	  • value: 333
	  • displayed: envInput6Active
	• envInput7Active
	  • value: 334
	  • displayed: envInput7Active
	• envInput8Active
	  • value: 335
	  • displayed: envInput8Active
	• dormantUser
	  • value: 336
	  • displayed: dormantUser
	• logBuf90SecuLog
	  • value: 337
	  • displayed: logBuf90SecuLog
	• logBufOvflSecuLog
	  • value: 338
	  • displayed: logBufOvflSecuLog
	• vtsConnCreation
	  • value: 339
	  • displayed: vtsConnCreation
	• lockedIndicationEgress
	  • value: 340
	  • displayed: lockedIndicationEgress
	• openConnectionIndicationEgress
	  • value: 341
	  • displayed: openConnectionIndicationEgress
	• signalDegradeEgress
	  • value: 342
	  • displayed: signalDegradeEgress
	• backwardDefectIndicationEgress
	  • value: 343
	  • displayed: backwardDefectIndicationEgress
	• trailTraceIdentifierMismatchEgress
	  • value: 344
	  • displayed: trailTraceIdentifierMismatchEgress
	• payloadTypeMismatchEgress
	  • value: 345
	  • displayed: payloadTypeMismatchEgress
	• serverSignalFailureEgress
	  • value: 346
	  • displayed: serverSignalFailureEgress
	• oscSsf
	  • value: 347
	  • displayed: oscSsf
	• oaPumpBiasCurrHigh
	  • value: 348
	  • displayed: oaPumpBiasCurrHigh
	• oaPumpTempHigh
	  • value: 349
	  • displayed: oaPumpTempHigh

(20 of 21)

Name	Value

Values (continued)	• laserEOL
	  • value: 350
	  • displayed: laserEOL
	• modOutOOR
	  • value: 351
	  • displayed: modOutOOR
	• oprOOR
	  • value: 352
	  • displayed: oprOOR
	• b1Sd
	  • value: 353
	  • displayed: b1Sd
	• fecEcSd
	  • value: 354
	  • displayed: fecEcSd
	• sfpTempOOR
	  • value: 355
	  • displayed: sfpTempOOR
	• sfpEOL
	  • value: 356
	  • displayed: sfpEOL
	• sfpTrmtPwrOOR
	  • value: 357
	  • displayed: sfpTrmtPwrOOR
	• sfpReceiverPwrOOR
	  • value: 358
	  • displayed: sfpReceiverPwrOOR
	• ramanSup
	  • value: 359
	  • displayed: ramanSup
	• rcvrOptProg
	  • value: 360
	  • displayed: rcvrOptProg
	• cardNotAllowed
	  • value: 361
	  • displayed: cardNotAllowed
	• fanSpeedMan
	  • value: 362
	  • displayed: fanSpeedMan
	• degOtu
	  • value: 363
	  • displayed: degOtu

(21 of 21)

Table 2-4 alarmData

Name	Value
Description	tnActiveAlarmData - 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 2-5 alarmDesc

Name	Value
Description	tnActiveAlarmDescr - A detailed description of the active alarm.
Type	string

Table 2-6 alarmEntityType

Name	Value
Description	tnActiveAlarmEntityType - The entity type.
Type	Enum

Values	• all
	  • value: 1
	  • displayed: all
	• tenGige
	  • value: 2
	  • displayed: tenGige
	• eqpt
	  • value: 3
	  • displayed: eqpt
	• gige
	  • value: 4
	  • displayed: gige
	• oc192stm64
	  • value: 5
	  • displayed: oc192stm64
	• oc48stm16
	  • value: 6
	  • displayed: oc48stm16
	• och
	  • value: 7
	  • displayed: och
	• ofa
	  • value: 8
	  • displayed: ofa
	• ots
	  • value: 9
	  • displayed: ots
	• otu1
	  • value: 10
	  • displayed: otu1
	• otu2
	  • value: 11
	  • displayed: otu2
	• com
	  • value: 12
	  • displayed: com
	• log
	  • value: 13
	  • displayed: log

(1 of 3)

Name	Value

Values (continued)	• plk
	  • value: 14
	  • displayed: plk
	• pm
	  • value: 15
	  • displayed: pm
	• env
	  • value: 16
	  • displayed: env
	• oc3stm1
	  • value: 17
	  • displayed: oc3stm1
	• oc12stm4
	  • value: 18
	  • displayed: oc12stm4
	• session
	  • value: 19
	  • displayed: session
	• fc1g
	  • value: 20
	  • displayed: fc1g
	• fc2g
	  • value: 21
	  • displayed: fc2g
	• fc4g
	  • value: 22
	  • displayed: fc4g
	• fc10g
	  • value: 23
	  • displayed: fc10g
	• cbr2g5
	  • value: 24
	  • displayed: cbr2g5
	• odu1
	  • value: 25
	  • displayed: odu1
	• odu2
	  • value: 26
	  • displayed: odu2
	• cbrar
	  • value: 27
	  • displayed: cbrar
	• otu3
	  • value: 28
	  • displayed: otu3
	• odu3
	  • value: 29
	  • displayed: odu3
	• oc768stm256
	  • value: 30
	  • displayed: oc768stm256
	• otu4
	  • value: 31
	  • displayed: otu4

(2 of 3)

Name	Value

Values (continued)	• odu4
	  • value: 32
	  • displayed: odu4
	• fc8g
	  • value: 33
	  • displayed: fc8g
	• hundredGige
	  • value: 34
	  • displayed: hundredGige
	• sdsdi
	  • value: 35
	  • displayed: sdsdi

(3 of 3)

Table 2-7 alarmId

Name	Value
Description	tnActiveAlarmSerialNumber - The independently incremented number associated with the sequential ordering of active alarms.
Type	Integer
Default	0

Table 2-8 alarmObjectId

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

Table 2-9 alarmObjectIdType

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

Table 2-10 alarmServiceAffecting

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

Table 2-11 alarmSlotProgType

Name	Value
Description	tnActiveAlarmSlotProgrammedType - 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 2-12 alarmTime

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

Table 2-13 alarmType

Name	Value
Description	tnActiveAlarmType - The OID of the notification.
Type	string
Default	0

3 — ApsGroup

Table 3-1 ApsGroup parameters

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

Table 3-2 cardSubType

Name	Value
Description	Provisioned Card Type - Duplicated from CardSlot object.
Type	Enum

Values	• pss_aluWdmEquipmentControllerCard
	  • value: 1
	  • displayed: EC:Equipment Controller Card
	• pss_aluWdmPowerFilterCard
	  • value: 2
	  • displayed: PF:Power Filter Card
	• pss_aluWdmFanUnitCard
	  • value: 3
	  • displayed: Fan Unit

(1 of 5)

Name	Value

Values (continued)	• pss_aluWdmUserInterfacePanelCard
	  • value: 4
	  • displayed: User Interface Panel
	• occupied
	  • value: 5
	  • displayed: Occupied by other Card
	• pss_aluWdmItlbCard
	  • value: 10
	  • displayed: ITLB:Interleaver Card
	• pss_aluWdmDcmCard
	  • value: 11
	  • displayed: DCM:Dispersion Compensation Card
	• pss_aluWdm4dpa4Card
	  • value: 20
	  • displayed: 4DPA4 FlexMux-4G Dual Port Pluggable AnyRate(4 Client)
	• pss_aluWdm43stx4Card
	  • value: 21
	  • displayed: 43STX4-40G Single Port Tunable Multirate Mux(4 Client)
	• pss_aluWdm43stx4pCard
	  • value: 22
	  • displayed: 43STX4P-40G Single Port Tunable Multirate Mux(4 Client) P-DPSK
	• pss_aluWdm43sta1pCard
	  • value: 23
	  • displayed: 43STA1P-40G Single Port Tunable Anyrate (1 client)
	• pss_aluWdm11qpa4Card
	  • value: 24
	  • displayed: 11QPA4-11G Quad Port Tunable Anyrate (4 client)
	• pss_aluWdm11star1Card
	  • value: 25
	  • displayed: 11STAR1-11G Single Port Tunable AnyRate (1 client)
	• pss_aluWdm11stge12Card
	  • value: 26
	  • displayed: 11STGE12-11G Single Port Tunable GBE Mux (12 client)
	• pss_aluWdm11dpge12Card
	  • value: 27
	  • displayed: 11DPE12-11G Dual Port Pluggable GBE Mux (12 client)
	• pss_aluWdm11stmm10Card
	  • value: 28
	  • displayed: 11STMM10-11G Single Port Tunable Multirate Mux(10 Client)
	• pss_aluWdm4dpa2Card
	  • value: 29
	  • displayed: 4DPA2-2G Dual Port Pluggable AnyRate(2 Client)
	• pss_aluWdmOscCard
	  • value: 40
	  • displayed: OSC:Optical Supevisory Card
	• pss_aluWdmAlpfgkCard
	  • value: 41
	  • displayed: ALPFGK:Amplifier Low Power Fixed Gain Keyed OCH Services
	• pss_aluWdmAhphgCard
	  • value: 42
	  • displayed: AHPHG:Amplifier High Power High Gain
	• pss_aluWdmAlphgCard
	  • value: 43
	  • displayed: ALPHG:Amplifier Low Power High Gain

(2 of 5)

Name	Value

Values (continued)	• pss_aluWdmAhplgCard
	  • value: 44
	  • displayed: AHPLG:Amplifier High Power Low Gain
	• pss_aluWdmAlpfgtCard
	  • value: 45
	  • displayed: ALPFGT:Low Power Fixed Gain Amplifier Total Power Card
	• pss_aluWdmA2325aCard
	  • value: 46
	  • displayed: A2325A:Amplifier High Power High Gain Card
	• pss_aluWdmOsctCard
	  • value: 47
	  • displayed: OSCT:Optical Supervisory Card Total Power
	• pss_aluWdmOpsaCard
	  • value: 56
	  • displayed: OPSA:Enhanced Optical Protection Switch Card
	• pss_aluWdmCwr8c88Card
	  • value: 60
	  • displayed: CWR8-88:88 Channel Colorless Wavelength Router Card
	• pss_aluWdmCwr8Card
	  • value: 61
	  • displayed: CWR8:8 Channel Colorless Wavelength Router Card
	• pss_aluWdmSVACCard
	  • value: 62
	  • displayed: SVAC:Single Variable Attenuator
	• pss_aluWdmSFD5ACard
	  • value: 63
	  • displayed: SFD5A:Static Filter DWDM 5 Channel (A Variant)
	• pss_aluWdmSFD5BCard
	  • value: 64
	  • displayed: SFD5B:Static Filter DWDM 5 Channel (B Variant)
	• pss_aluWdmSFD5CCard
	  • value: 65
	  • displayed: SFD5C:Static Filter DWDM 5 Channel (C Variant)
	• pss_aluWdmSFD5DCard
	  • value: 66
	  • displayed: SFD5D:Static Filter DWDM 5 Channel (D Variant)
	• pss_aluWdmSFD5ECard
	  • value: 67
	  • displayed: SFD5E:Static Filter DWDM 5 Channel (E Variant)
	• pss_aluWdmSFD5FCard
	  • value: 68
	  • displayed: SFD5F:Static Filter DWDM 5 Channel (F Variant)
	• pss_aluWdmSFD5GCard
	  • value: 69
	  • displayed: SFD5G:Static Filter DWDM 5 Channel (G Variant)
	• pss_aluWdmSFD5HCard
	  • value: 70
	  • displayed: SFD5H:Static Filter DWDM 5 Channel (H Variant)
	• pss_aluWdmSFD8ACard
	  • value: 71
	  • displayed: SFD8A:Static Filter DWDM 8 Channel (A Variant)
	• pss_aluWdmSFD8BCard
	  • value: 72
	  • displayed: SFD8B:Static Filter DWDM 8 Channel (B Variant)

(3 of 5)

Name	Value

Values (continued)	• pss_aluWdmSFD8CCard
	  • value: 73
	  • displayed: SFD8C:Static Filter DWDM 8 Channel (C Variant)
	• pss_aluWdmSFD8DCard
	  • value: 74
	  • displayed: SFD8D:Static Filter DWDM 8 Channel (D Variant)
	• pss_aluWdmSFC2ACard
	  • value: 75
	  • displayed: SFC2A:Static Filter CWDM 2 Channel (A Variant)
	• pss_aluWdmSFC2BCard
	  • value: 76
	  • displayed: SFC2B:Static Filter CWDM 2 Channel (B Variant)
	• pss_aluWdmSFC2CCard
	  • value: 77
	  • displayed: SFC2C:Static Filter CWDM 2 Channel (C Variant)
	• pss_aluWdmSFC2DCard
	  • value: 78
	  • displayed: SFC2D:Static Filter CWDM 2 Channel (D Variant)
	• pss_aluWdmSFC4ACard
	  • value: 79
	  • displayed: SFC4A:Static Filter CWDM 4 Channel (A Variant)
	• pss_aluWdmSFC4BCard
	  • value: 80
	  • displayed: SFC4B:Static Filter CWDM 4 Channel (B Variant)
	• pss_aluWdmSFC8Card
	  • value: 81
	  • displayed: SFC8:Static Filter CWDM 8 Channel
	• pss_aluWdmSFC1ACard
	  • value: 82
	  • displayed: SFC1A: Static Filter CWDM 1 Channel (A Variant)
	• pss_aluWdmSFC1BCard
	  • value: 83
	  • displayed: SFC1B: Static Filter CWDM 1 Channel (B Variant)
	• pss_aluWdmSFC1CCard
	  • value: 84
	  • displayed: SFC1C: Static Filter CWDM 1 Channel (C Variant)
	• pss_aluWdmSFC1DCard
	  • value: 85
	  • displayed: SFC1D: Static Filter CWDM 1 Channel (D Variant)
	• pss_aluWdmSFC1ECard
	  • value: 86
	  • displayed: SFC1E: Static Filter CWDM 1 Channel (E Variant)
	• pss_aluWdmSFC1FCard
	  • value: 87
	  • displayed: SFC1F: Static Filter CWDM 1 Channel (F Variant)
	• pss_aluWdmSFC1GCard
	  • value: 88
	  • displayed: SFC1G: Static Filter CWDM 1 Channel (G Variant)
	• pss_aluWdmSFC1HCard
	  • value: 89
	  • displayed: SFC1H: Static Filter CWDM 1 Channel (H Variant)
	• pss_aluWdmSfd44Card
	  • value: 90
	  • displayed: SFD44:Static Filter DWDM 44 Channel

(4 of 5)

Name	Value

Values (continued)	• pss_aluWdmSfd44bCard
	  • value: 91
	  • displayed: SFD44b:Static Filter DWDM 44 Odd Channel
	• pss_aluWdmSfd40Card
	  • value: 92
	  • displayed: SFD40:Static Filter DWDM 40 Channel
	• pss_aluWdmSfd40bCard
	  • value: 93
	  • displayed: SFD40b:Static Filter DWDM 40 Odd Channel
	• pss_aluWdm4dpa4DualTranCard
	  • value: 94
	  • displayed: 4DPA4 DualTran-4G Dual Port Pluggable AnyRate(4 Client)

Default	unspecified
Displayed name	Select Card

(5 of 5)

Table 3-3 description

Name	Value
Description	Corresponds to tnApsGroupDescr of the MIB.
Type	string
Minimum	0
Maximum	50
Displayed name	Description

Table 3-4 direction

Name	Value
Description	Corresponds to tnApsGroupDirection in the MIB.
Type	Enum

Values	• unidirectional
	  • value: 1
	  • displayed: Unidirectional
	• bidirectional
	  • value: 2
	  • displayed: Bidirectional

Default	unidirectional
Displayed name	Direction

Table 3-5 extraTraffic

Name	Value
Description	Corresponds to tnApsGroupExtraTraffic in the MIB.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Default	disabled

Table 3-6 groupId

Name	Value
Description	Corresponds to tnApsGroupId of the MIB.
Type	Long integer
Access	read-create
Default	0
Minimum	1
Displayed name	APS Group ID

Table 3-7 members

Name	Value
Description	tnApsGroupMembers - 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 3-8 protectionChannel

Name	Value
Description	This Value is deduced from members value.
Type	Integer
Minimum	1

(1 of 2)

Name	Value
Maximum	10
Displayed name	Protection VTS

(2 of 2)

Table 3-9 protectionMode

Name	Value
Description	tnApsGroupMode - Indicates the type of the protection.
Type	Enum

Values	• unprotected
	  • value: 1
	  • displayed: Unprotected
	• oneForOne
	  • value: 2
	  • displayed: 1 for 1
	• onePlusOne
	  • value: 3
	  • displayed: 1 + 1 OPS
	• onePlusOneOpticalSplitter
	  • value: 4
	  • displayed: 1 + 1 Optical Splitter
	• onePlusOneESNCP
	  • value: 5
	  • displayed: 1 + 1 ESNCP

Default	onePlusOne
Displayed name	Protection Mode

Table 3-10 revertMode

Name	Value
Description	tnApsGroupRevert - Indicates whether revertive or non-revertive APS Group.
Type	Enum

Values	• nonrevertive
	  • value: 1
	  • displayed: Non Revertive
	• revertive
	  • value: 2
	  • displayed: Revertive

Default	nonrevertive
Displayed name	Type

Table 3-11 siteId

Name	Value
Type	string

Table 3-12 waitToRestore

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

Table 3-13 workingChannel

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

4 — ApsGroupBinding

Table 4-1 apsBindId

Name	Value
Type	Integer
Access	read-create
Default	0
Minimum	1

5 — ApsMember

Table 5-1 ApsMember parameters

Parameters	
groupId ifIndex	memberSwitch siteId

Table 5-2 groupId

Name	Value
Description	APS Group ID.
Type	Long integer
Access	read-create
Default	0

Table 5-3 ifIndex

Name	Value
Description	tnApsMemberIfIndex - SnmpPortId(Interface Index) of the port.
Type	Long integer
Access	read-create
Default	0

Table 5-4 memberSwitch

Name	Value
Description	tnApsMemberSwitch - The type of protection switch.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• clear
	  • value: 2
	  • displayed: Clear
	• lockoutOfProtection
	  • value: 3
	  • displayed: Protection Lockout
	• forcedSwitchWorkToProtect
	  • value: 4
	  • displayed: Forced Switch To Protection
	• forcedSwitchProtectToWork
	  • value: 5
	  • displayed: Forced Switch To Working
	• manualSwitchWorkToProtect
	  • value: 6
	  • displayed: Manual Switch To Protection
	• manualSwitchProtectToWork
	  • value: 7
	  • displayed: Manual Switch To Working
	• exercise
	  • value: 8
	  • displayed: Exercise

Displayed name	Protection Switch

Table 5-5 siteId

Name	Value
Type	string

6 — Constraint

Table 6-1 Constraint parameters

Parameters	
constraintElement constraintId	constraintType

Table 6-2 constraintElement

Name	Value
Type	Enum

Values	• port
	  • value: 1
	  • displayed: Port
	• site
	  • value: 2
	  • displayed: Site

Default	port
Displayed name	Excluded Element

Table 6-3 constraintId

Name	Value
Type	Integer
Access	read-create
Default	0
Minimum	1

Table 6-4 constraintType

Name	Value
Type	Enum

Values	• exclusion
	  • value: 2
	  • displayed: Exclusion

Default	exclusion

7 — CrossConnect

Table 7-1 CrossConnect parameters

Parameters	
biDirectional siteId	xcId xcName

Table 7-2 biDirectional

Name	Value
Description	Direction of the port.
Type	boolean

Table 7-3 siteId

Name	Value
Description	site id used for DB Filters.
Type	string
Default	0.0.0.0
Maximum	50

Table 7-4 xcId

Name	Value
Description	this is sam generated xc id used for FDN
Type	Long integer
Access	read-create
Default	0
Minimum	1

Table 7-5 xcName

Name	Value
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 .
Type	string
Minimum	0
Maximum	80

8 — Hop

Table 8-1 Hop parameters

Parameters	
channel	hopOrder
description	rate
direction	siteId
hopId	siteName

Table 8-2 channel

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

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)

(1 of 12)

Name	Value

Values (continued)	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)

(2 of 12)

Name	Value

Values (continued)	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)

(3 of 12)

Name	Value

Values (continued)	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)

(4 of 12)

Name	Value

Values (continued)	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)

(5 of 12)

Name	Value

Values (continued)	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)

(6 of 12)

Name	Value

Values (continued)	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)

(7 of 12)

Name	Value

Values (continued)	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)

(8 of 12)

Name	Value

Values (continued)	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)

(9 of 12)

Name	Value

Values (continued)	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)

(10 of 12)

Name	Value

Values (continued)	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)

(11 of 12)

Name	Value

Values (continued)	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Displayed name	Channel

(12 of 12)

Table 8-3 description

Name	Value
Description	Used for Display in the service screen in SAM GUI.
Type	string
Displayed name	Port Description

Table 8-4 direction

Name	Value
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	Enum

Values	• out
	  • value: 1
	  • displayed: Out
	• in
	  • value: 2
	  • displayed: In

Table 8-5 hopId

Name	Value
Description	unique id in SAM Database.
Type	Integer
Access	read-create
Default	0
Minimum	1

Table 8-6 hopOrder

Name	Value
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.
Type	Integer
Default	0
Minimum	1
Displayed name	Hop Order

Table 8-7 rate

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

Values	• unassigned
	  • value: 1
	  • displayed: Unassigned
	• default
	  • value: 2
	  • displayed: Default
	• unknown
	  • value: 3
	  • displayed: Unknown
	• oc3
	  • value: 4
	  • displayed: OC3
	• oc12
	  • value: 5
	  • displayed: OC12
	• oc48
	  • value: 6
	  • displayed: OC48

(1 of 3)

Name	Value

Values (continued)	• oc192
	  • value: 7
	  • displayed: OC192
	• ots
	  • value: 8
	  • displayed: OTS
	• och
	  • value: 9
	  • displayed: OCH
	• otu1
	  • value: 10
	  • displayed: OTU1
	• otu2
	  • value: 11
	  • displayed: OTU2
	• gige
	  • value: 12
	  • displayed: 1GbE
	• tenGige
	  • value: 13
	  • displayed: 10GbE
	• stm1
	  • value: 14
	  • displayed: STM1
	• stm4
	  • value: 15
	  • displayed: STM4
	• stm16
	  • value: 16
	  • displayed: STM16
	• stm64
	  • value: 17
	  • displayed: STM64
	• fc1g
	  • value: 18
	  • displayed: FC100
	• fc2g
	  • value: 19
	  • displayed: FC200
	• fc4g
	  • value: 20
	  • displayed: FC400
	• fc10g
	  • value: 21
	  • displayed: FC10G
	• cbr2g5
	  • value: 22
	  • displayed: CBR2G5
	• cbr10g
	  • value: 23
	  • displayed: CBR10G
	• hdSdi
	  • value: 25
	  • displayed: HDSDI

(2 of 3)

Name	Value

Values (continued)	• fe
	  • value: 26
	  • displayed: FE
	• fddi
	  • value: 27
	  • displayed: FDDI
	• esCon
	  • value: 28
	  • displayed: ESCON
	• dvbAsi
	  • value: 29
	  • displayed: DVBASI
	• dvi6000
	  • value: 30
	  • displayed: DVI 6000
	• otu3
	  • value: 31
	  • displayed: OTU3
	• oc768
	  • value: 32
	  • displayed: OC768
	• stm256
	  • value: 33
	  • displayed: STM256
	• otu4
	  • value: 34
	  • displayed: OTU4
	• fc8g
	  • value: 35
	  • displayed: FC8G
	• hundredGige
	  • value: 36
	  • displayed: 100GbE
	• sdsdi
	  • value: 37
	  • displayed: SDSDI
	• subGigE
	  • value: 39
	  • displayed: SubGigE

Displayed name	Rate

(3 of 3)

Table 8-8 siteId

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

Table 8-9 siteName

Name	Value
Type	string
Displayed name	Site Name

9 — OchCrossConnect

Table 9-1 OchCrossConnect parameters

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

Table 9-2 acceptPowers

Name	Value
Description	tnOchXcItuAcceptPowers - Synchronize the expected powers to the observed values.
Type	Enum

Values	• noCmd
	  • value: 1
	• azBoth
	  • value: 6
	• zaBoth
	  • value: 7

Displayed name	AcceptPowers (CrossConnects/Power Management)

Table 9-3 administrativeState

Name	Value
Description	tnOchXcItuAdminState - The administrative state of the connection.
Type	Enum

Values	• up
	  • value: 1
	  • displayed: Up
	• down
	  • value: 2
	  • displayed: Down
	• unkown
	  • value: 3
	  • displayed: Unknown

Displayed name	Administrative State (CrossConnects/States)

Table 9-4 destChannel

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

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)

(1 of 12)

Name	Value

Values (continued)	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)

(2 of 12)

Name	Value

Values (continued)	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)

(3 of 12)

Name	Value

Values (continued)	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)

(4 of 12)

Name	Value

Values (continued)	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)

(5 of 12)

Name	Value

Values (continued)	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)

(6 of 12)

Name	Value

Values (continued)	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)

(7 of 12)

Name	Value

Values (continued)	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)

(8 of 12)

Name	Value

Values (continued)	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)

(9 of 12)

Name	Value

Values (continued)	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)

(10 of 12)

Name	Value

Values (continued)	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)

(11 of 12)

Name	Value

Values (continued)	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

(12 of 12)

Table 9-5 destIfIndex

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

Table 9-6 forceDelete

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

Table 9-7 ochTrailId

Name	Value
Description	is non-zero if the Och Cross Connect is associated with a transport service in SAM.
Type	Integer
Default	0

Table 9-8 protectionState

Name	Value
Description	tnOchXcItuProtectionState - The protection state of the connection.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: Unprotected
	• working
	  • value: 2
	  • displayed: Working

(1 of 2)

Name	Value

Values (continued)	• protection
	  • value: 3
	  • displayed: Protection
	• dropContinue
	  • value: 4
	  • displayed: DropAndContinue

Displayed name	Protection State (CrossConnects/States)

(2 of 2)

Table 9-9 srcChannel

Name	Value
Description	The channel of the connection source.
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)

(1 of 11)

Name	Value

Values (continued)	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)

(2 of 11)

Name	Value

Values (continued)	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)

(3 of 11)

Name	Value

Values (continued)	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)

(4 of 11)

Name	Value

Values (continued)	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)

(5 of 11)

Name	Value

Values (continued)	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)

(6 of 11)

Name	Value

Values (continued)	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)

(7 of 11)

Name	Value

Values (continued)	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)

(8 of 11)

Name	Value

Values (continued)	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)

(9 of 11)

Name	Value

Values (continued)	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)

(10 of 11)

Name	Value

Values (continued)	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Displayed name	ITU Channel (CrossConnects/WaveKey)

(11 of 11)

Table 9-10 srcIfIndex

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

Table 9-11 waveKey1AZ

Name	Value
Description	tnOchXcItuEncodedWaveKey1AZ - 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.
Type	Long integer
Minimum	0
Maximum	4096
Displayed name	Wavekey1 AZ (CrossConnects/WaveKey)

Table 9-12 waveKey1ZA

Name	Value
Description	tnOchXcItuEncodedWaveKey1ZA - 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.
Type	Long integer
Minimum	0
Maximum	4096
Displayed name	Wavekey1 ZA (CrossConnects/WaveKey)

Table 9-13 waveKey2AZ

Name	Value
Description	tnOchXcItuEncodedWaveKey2AZ - 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.
Type	Long integer
Minimum	0
Maximum	4096
Displayed name	Wavekey2 AZ (CrossConnects/WaveKey)

Table 9-14 waveKey2ZA

Name	Value
Description	tnOchXcItuEncodedWaveKey2ZA - 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.
Type	Long integer
Minimum	0
Maximum	4096
Displayed name	Wavekey2 ZA (CrossConnects/WaveKey)

Table 9-15 wavekeySelect

Name	Value
Description	tnOchXcItuAutoWaveKeySelect - Indicates how the OCH XC's Wave Keys are selected and distributed to other nodes.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto Keying (NE)
	• manual
	  • value: 2
	  • displayed: Manual Keying (NMS)

(1 of 2)

Name	Value

Values (continued)	• unkey
	  • value: 3
	  • displayed: Unkeyed

Displayed name	Wavekey Assign Mode (CrossConnects/WaveKey)

(2 of 2)

Table 9-16 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	Enum

Values	• active
	  • value: 1
	• notInService
	  • value: 2
	• notReady
	  • value: 3
	• createAndGo
	  • value: 4
	• createAndWait
	  • value: 5
	• destroy
	  • value: 6

10 — OCHTrail

Table 10-1 OCHTrail parameters

Parameters	
channel waveKey1AZ waveKey1ZA	waveKey2AZ waveKey2ZA wavekeyAssignMode

Table 10-2 channel

Name	Value
Description	ITU Channel number .
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)

(1 of 12)

Name	Value

Values (continued)	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)

(2 of 12)

Name	Value

Values (continued)	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)

(3 of 12)

Name	Value

Values (continued)	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)

(4 of 12)

Name	Value

Values (continued)	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)

(5 of 12)

Name	Value

Values (continued)	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)

(6 of 12)

Name	Value

Values (continued)	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)

(7 of 12)

Name	Value

Values (continued)	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)

(8 of 12)

Name	Value

Values (continued)	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)

(9 of 12)

Name	Value

Values (continued)	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)

(10 of 12)

Name	Value

Values (continued)	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)

(11 of 12)

Name	Value

Values (continued)	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Access	read-create
Default	unAssigned
Displayed name	Channel (/OCH)

(12 of 12)

Table 10-3 waveKey1AZ

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Type	Long integer
Access	read-create
Minimum	0
Maximum	4096
Mandatory on create	Yes
Displayed name	Wavekey 1 A->Z (/OCH)

Table 10-4 waveKey1ZA

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Type	Long integer
Access	read-create
Minimum	0
Maximum	4096
Mandatory on create	Yes
Displayed name	Wavekey 1 Z->A (/OCH)

Table 10-5 waveKey2AZ

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Type	Long integer
Access	read-create
Minimum	0
Maximum	4096
Mandatory on create	Yes
Displayed name	Wavekey 2 A->Z (/OCH)

Table 10-6 waveKey2ZA

Name	Value
Description	Populated only if the wavekeyAssignMode is 'Manual'.
Type	Long integer
Access	read-create
Minimum	0
Maximum	4096
Mandatory on create	Yes
Displayed name	Wavekey 2 Z->A (/OCH)

Table 10-7 wavekeyAssignMode

Name	Value
Description	Wavekey generation mode.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto Keying (NE)
	• manual
	  • value: 2
	  • displayed: Manual Keying (NMS)
	• unkey
	  • value: 3
	  • displayed: Unkeyed

Access	read-create
Default	auto
Displayed name	Wavekey Assign Mode (/OCH)

11 — OpticalCardSpecifics

Table 11-1 OpticalCardSpecifics parameters

Parameters	
assignedCardSubType	equippedCardSubType
audibleAlarmCutoff	fanSpeed
cardDesc	ingressAdjustPowerGain
cardHighTemperatureThresh	isEngressCard
cardLowTemperatureThresh	isIngressCard
cardName	rippleAllowance
cardTemperatureTolerance	sfcCardFiberMode
dcmCardProvDistance	wssCardAddPathEgressPower
dcmCardProvFiberType	wssCardAddPathTargetPower
dpa4CardFunctionMode	wssCardAddPathTotalChannel
dpge12CardRateMode	wssCardReservedDegree
egressAdjustPowerGain	

Table 11-2 assignedCardSubType

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

Values	• pss_aluWdmEquipmentControllerCard
	  • value: 1
	  • displayed: EC:Equipment Controller Card

(1 of 5)

Name	Value

Values (continued)	• pss_aluWdmPowerFilterCard
	  • value: 2
	  • displayed: PF:Power Filter Card
	• pss_aluWdmFanUnitCard
	  • value: 3
	  • displayed: Fan Unit
	• pss_aluWdmUserInterfacePanelCard
	  • value: 4
	  • displayed: User Interface Panel
	• occupied
	  • value: 5
	  • displayed: Occupied by other Card
	• pss_aluWdmItlbCard
	  • value: 10
	  • displayed: ITLB:Interleaver Card
	• pss_aluWdmDcmCard
	  • value: 11
	  • displayed: DCM:Dispersion Compensation Card
	• pss_aluWdm4dpa4Card
	  • value: 20
	  • displayed: 4DPA4 FlexMux-4G Dual Port Pluggable AnyRate(4 Client)
	• pss_aluWdm43stx4Card
	  • value: 21
	  • displayed: 43STX4-40G Single Port Tunable Multirate Mux(4 Client)
	• pss_aluWdm43stx4pCard
	  • value: 22
	  • displayed: 43STX4P-40G Single Port Tunable Multirate Mux(4 Client) P-DPSK
	• pss_aluWdm43sta1pCard
	  • value: 23
	  • displayed: 43STA1P-40G Single Port Tunable Anyrate (1 client)
	• pss_aluWdm11qpa4Card
	  • value: 24
	  • displayed: 11QPA4-11G Quad Port Tunable Anyrate (4 client)
	• pss_aluWdm11star1Card
	  • value: 25
	  • displayed: 11STAR1-11G Single Port Tunable AnyRate (1 client)
	• pss_aluWdm11stge12Card
	  • value: 26
	  • displayed: 11STGE12-11G Single Port Tunable GBE Mux (12 client)
	• pss_aluWdm11dpge12Card
	  • value: 27
	  • displayed: 11DPE12-11G Dual Port Pluggable GBE Mux (12 client)
	• pss_aluWdm11stmm10Card
	  • value: 28
	  • displayed: 11STMM10-11G Single Port Tunable Multirate Mux(10 Client)
	• pss_aluWdm4dpa2Card
	  • value: 29
	  • displayed: 4DPA2-2G Dual Port Pluggable AnyRate(2 Client)
	• pss_aluWdmOscCard
	  • value: 40
	  • displayed: OSC:Optical Supevisory Card
	• pss_aluWdmAlpfgkCard
	  • value: 41
	  • displayed: ALPFGK:Amplifier Low Power Fixed Gain Keyed OCH Services

(2 of 5)

Name	Value

Values (continued)	• pss_aluWdmAhphgCard
	  • value: 42
	  • displayed: AHPHG:Amplifier High Power High Gain
	• pss_aluWdmAlphgCard
	  • value: 43
	  • displayed: ALPHG:Amplifier Low Power High Gain
	• pss_aluWdmAhplgCard
	  • value: 44
	  • displayed: AHPLG:Amplifier High Power Low Gain
	• pss_aluWdmAlpfgtCard
	  • value: 45
	  • displayed: ALPFGT:Low Power Fixed Gain Amplifier Total Power Card
	• pss_aluWdmA2325aCard
	  • value: 46
	  • displayed: A2325A:Amplifier High Power High Gain Card
	• pss_aluWdmOsctCard
	  • value: 47
	  • displayed: OSCT:Optical Supervisory Card Total Power
	• pss_aluWdmOpsaCard
	  • value: 56
	  • displayed: OPSA:Enhanced Optical Protection Switch Card
	• pss_aluWdmCwr8c88Card
	  • value: 60
	  • displayed: CWR8-88:88 Channel Colorless Wavelength Router Card
	• pss_aluWdmCwr8Card
	  • value: 61
	  • displayed: CWR8:8 Channel Colorless Wavelength Router Card
	• pss_aluWdmSVACCard
	  • value: 62
	  • displayed: SVAC:Single Variable Attenuator
	• pss_aluWdmSFD5ACard
	  • value: 63
	  • displayed: SFD5A:Static Filter DWDM 5 Channel (A Variant)
	• pss_aluWdmSFD5BCard
	  • value: 64
	  • displayed: SFD5B:Static Filter DWDM 5 Channel (B Variant)
	• pss_aluWdmSFD5CCard
	  • value: 65
	  • displayed: SFD5C:Static Filter DWDM 5 Channel (C Variant)
	• pss_aluWdmSFD5DCard
	  • value: 66
	  • displayed: SFD5D:Static Filter DWDM 5 Channel (D Variant)
	• pss_aluWdmSFD5ECard
	  • value: 67
	  • displayed: SFD5E:Static Filter DWDM 5 Channel (E Variant)
	• pss_aluWdmSFD5FCard
	  • value: 68
	  • displayed: SFD5F:Static Filter DWDM 5 Channel (F Variant)
	• pss_aluWdmSFD5GCard
	  • value: 69
	  • displayed: SFD5G:Static Filter DWDM 5 Channel (G Variant)
	• pss_aluWdmSFD5HCard
	  • value: 70
	  • displayed: SFD5H:Static Filter DWDM 5 Channel (H Variant)

(3 of 5)

Name	Value

Values (continued)	• pss_aluWdmSFD8ACard
	  • value: 71
	  • displayed: SFD8A:Static Filter DWDM 8 Channel (A Variant)
	• pss_aluWdmSFD8BCard
	  • value: 72
	  • displayed: SFD8B:Static Filter DWDM 8 Channel (B Variant)
	• pss_aluWdmSFD8CCard
	  • value: 73
	  • displayed: SFD8C:Static Filter DWDM 8 Channel (C Variant)
	• pss_aluWdmSFD8DCard
	  • value: 74
	  • displayed: SFD8D:Static Filter DWDM 8 Channel (D Variant)
	• pss_aluWdmSFC2ACard
	  • value: 75
	  • displayed: SFC2A:Static Filter CWDM 2 Channel (A Variant)
	• pss_aluWdmSFC2BCard
	  • value: 76
	  • displayed: SFC2B:Static Filter CWDM 2 Channel (B Variant)
	• pss_aluWdmSFC2CCard
	  • value: 77
	  • displayed: SFC2C:Static Filter CWDM 2 Channel (C Variant)
	• pss_aluWdmSFC2DCard
	  • value: 78
	  • displayed: SFC2D:Static Filter CWDM 2 Channel (D Variant)
	• pss_aluWdmSFC4ACard
	  • value: 79
	  • displayed: SFC4A:Static Filter CWDM 4 Channel (A Variant)
	• pss_aluWdmSFC4BCard
	  • value: 80
	  • displayed: SFC4B:Static Filter CWDM 4 Channel (B Variant)
	• pss_aluWdmSFC8Card
	  • value: 81
	  • displayed: SFC8:Static Filter CWDM 8 Channel
	• pss_aluWdmSFC1ACard
	  • value: 82
	  • displayed: SFC1A: Static Filter CWDM 1 Channel (A Variant)
	• pss_aluWdmSFC1BCard
	  • value: 83
	  • displayed: SFC1B: Static Filter CWDM 1 Channel (B Variant)
	• pss_aluWdmSFC1CCard
	  • value: 84
	  • displayed: SFC1C: Static Filter CWDM 1 Channel (C Variant)
	• pss_aluWdmSFC1DCard
	  • value: 85
	  • displayed: SFC1D: Static Filter CWDM 1 Channel (D Variant)
	• pss_aluWdmSFC1ECard
	  • value: 86
	  • displayed: SFC1E: Static Filter CWDM 1 Channel (E Variant)
	• pss_aluWdmSFC1FCard
	  • value: 87
	  • displayed: SFC1F: Static Filter CWDM 1 Channel (F Variant)
	• pss_aluWdmSFC1GCard
	  • value: 88
	  • displayed: SFC1G: Static Filter CWDM 1 Channel (G Variant)

(4 of 5)

Name	Value

Values (continued)	• pss_aluWdmSFC1HCard
	  • value: 89
	  • displayed: SFC1H: Static Filter CWDM 1 Channel (H Variant)
	• pss_aluWdmSfd44Card
	  • value: 90
	  • displayed: SFD44:Static Filter DWDM 44 Channel
	• pss_aluWdmSfd44bCard
	  • value: 91
	  • displayed: SFD44b:Static Filter DWDM 44 Odd Channel
	• pss_aluWdmSfd40Card
	  • value: 92
	  • displayed: SFD40:Static Filter DWDM 40 Channel
	• pss_aluWdmSfd40bCard
	  • value: 93
	  • displayed: SFD40b:Static Filter DWDM 40 Odd Channel
	• pss_aluWdm4dpa4DualTranCard
	  • value: 94
	  • displayed: 4DPA4 DualTran-4G Dual Port Pluggable AnyRate(4 Client)

Default	unspecified

(5 of 5)

Table 11-3 audibleAlarmCutoff

Name	Value
Description	tnUserInterfacePanelACO - The color of the alarm cut off LED. Applicable for UserInterfacelPanel card only.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Displayed name	Audible Alarm Cutoff

Table 11-4 cardDesc

Name	Value
Description	Card Description. Deployed On the NE.
Type	string
Maximum	252
Displayed name	Card Description

Table 11-5 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
Type	Integer
Minimum	-5
Maximum	90
Units	Celsius
Displayed name	High Temperature Threshold (/Temperature)

Table 11-6 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
Type	Integer
Minimum	-5
Maximum	90
Units	Celsius
Displayed name	Low Temperature Threshold (/Temperature)

Table 11-7 cardName

Name	Value
Description	Card Name. Deployed on the NE.
Type	string
Maximum	31
Displayed name	Card Name

Table 11-8 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.
Type	Integer
Minimum	0
Maximum	10

(1 of 2)

Name	Value
Units	Celsius
Displayed name	Temperature Tolerance (/Temperature)

(2 of 2)

Table 11-9 dcmCardProvDistance

Name	Value
Description	tnDcmCardProgrammedCompensationDistance - 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.
Type	Integer
Minimum	0
Maximum	140
Units	km
Displayed name	Provisioned Distance (/DCM)

Table 11-10 dcmCardProvFiberType

Name	Value
Description	tnDcmCardProvisionedFiberType - The type of fiber that the DCM is provisioned to dispersion-compensate.
Type	Enum

Values	• ssmf
	  • value: 1
	  • displayed: SSMF
	• eleaf
	  • value: 2
	  • displayed: ELEAF
	• twrs
	  • value: 3
	  • displayed: TWRS

Displayed name	Provisioned Fiber Type (/DCM)

Table 11-11 dpa4CardFunctionMode

Name	Value
Description	tn4dpa4CardFunctionMode - 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.
Type	Enum

Values	• flexmux
	  • value: 1
	  • displayed: FlexMux
	• dualtran
	  • value: 2
	  • displayed: DualTran

Default	flexmux
Displayed name	Card Function Mode

Table 11-12 dpge12CardRateMode

Name	Value
Description	tn11dpge12CardRateMode - The card rate mode for 11DPGE12.
Type	Enum

Values	• fullrate
	  • value: 1
	  • displayed: FullRate
	• subrate
	  • value: 2
	  • displayed: SubRate

Displayed name	Card Rate Mode

Table 11-13 egressAdjustPowerGain

Name	Value
Description	tnPowerMgmtEgressAdjustPowerWithOptimization.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute

	•

(1 of 2)

Name	Value

Values (continued)	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Displayed name	Egress Adjust Power Gain (/Power Adjustment)

(2 of 2)

Table 11-14 equippedCardSubType

Name	Value
Description	Type of card equipped in the given Slot.
Type	Enum

Values	• pss_aluWdmEquipmentControllerCard
	  • value: 1
	  • displayed: EC:Equipment Controller Card
	• pss_aluWdmPowerFilterCard
	  • value: 2
	  • displayed: PF:Power Filter Card
	• pss_aluWdmFanUnitCard
	  • value: 3
	  • displayed: Fan Unit
	• pss_aluWdmUserInterfacePanelCard
	  • value: 4
	  • displayed: User Interface Panel
	• occupied
	  • value: 5
	  • displayed: Occupied by other Card
	• pss_aluWdmItlbCard
	  • value: 10
	  • displayed: ITLB:Interleaver Card
	• pss_aluWdmDcmCard
	  • value: 11
	  • displayed: DCM:Dispersion Compensation Card
	• pss_aluWdm4dpa4Card
	  • value: 20
	  • displayed: 4DPA4 FlexMux-4G Dual Port Pluggable AnyRate(4 Client)
	• pss_aluWdm43stx4Card
	  • value: 21
	  • displayed: 43STX4-40G Single Port Tunable Multirate Mux(4 Client)
	• pss_aluWdm43stx4pCard
	  • value: 22
	  • displayed: 43STX4P-40G Single Port Tunable Multirate Mux(4 Client) P-DPSK
	• pss_aluWdm43sta1pCard
	  • value: 23
	  • displayed: 43STA1P-40G Single Port Tunable Anyrate (1 client)
	• pss_aluWdm11qpa4Card
	  • value: 24
	  • displayed: 11QPA4-11G Quad Port Tunable Anyrate (4 client)
	• pss_aluWdm11star1Card
	  • value: 25
	  • displayed: 11STAR1-11G Single Port Tunable AnyRate (1 client)

(1 of 4)

Name	Value

Values (continued)	• pss_aluWdm11stge12Card
	  • value: 26
	  • displayed: 11STGE12-11G Single Port Tunable GBE Mux (12 client)
	• pss_aluWdm11dpge12Card
	  • value: 27
	  • displayed: 11DPE12-11G Dual Port Pluggable GBE Mux (12 client)
	• pss_aluWdm11stmm10Card
	  • value: 28
	  • displayed: 11STMM10-11G Single Port Tunable Multirate Mux(10 Client)
	• pss_aluWdm4dpa2Card
	  • value: 29
	  • displayed: 4DPA2-2G Dual Port Pluggable AnyRate(2 Client)
	• pss_aluWdmOscCard
	  • value: 40
	  • displayed: OSC:Optical Supevisory Card
	• pss_aluWdmAlpfgkCard
	  • value: 41
	  • displayed: ALPFGK:Amplifier Low Power Fixed Gain Keyed OCH Services
	• pss_aluWdmAhphgCard
	  • value: 42
	  • displayed: AHPHG:Amplifier High Power High Gain
	• pss_aluWdmAlphgCard
	  • value: 43
	  • displayed: ALPHG:Amplifier Low Power High Gain
	• pss_aluWdmAhplgCard
	  • value: 44
	  • displayed: AHPLG:Amplifier High Power Low Gain
	• pss_aluWdmAlpfgtCard
	  • value: 45
	  • displayed: ALPFGT:Low Power Fixed Gain Amplifier Total Power Card
	• pss_aluWdmA2325aCard
	  • value: 46
	  • displayed: A2325A:Amplifier High Power High Gain Card
	• pss_aluWdmOsctCard
	  • value: 47
	  • displayed: OSCT:Optical Supervisory Card Total Power
	• pss_aluWdmOpsaCard
	  • value: 56
	  • displayed: OPSA:Enhanced Optical Protection Switch Card
	• pss_aluWdmCwr8c88Card
	  • value: 60
	  • displayed: CWR8-88:88 Channel Colorless Wavelength Router Card
	• pss_aluWdmCwr8Card
	  • value: 61
	  • displayed: CWR8:8 Channel Colorless Wavelength Router Card
	• pss_aluWdmSVACCard
	  • value: 62
	  • displayed: SVAC:Single Variable Attenuator
	• pss_aluWdmSFD5ACard
	  • value: 63
	  • displayed: SFD5A:Static Filter DWDM 5 Channel (A Variant)
	• pss_aluWdmSFD5BCard
	  • value: 64
	  • displayed: SFD5B:Static Filter DWDM 5 Channel (B Variant)

(2 of 4)

Name	Value

Values (continued)	• pss_aluWdmSFD5CCard
	  • value: 65
	  • displayed: SFD5C:Static Filter DWDM 5 Channel (C Variant)
	• pss_aluWdmSFD5DCard
	  • value: 66
	  • displayed: SFD5D:Static Filter DWDM 5 Channel (D Variant)
	• pss_aluWdmSFD5ECard
	  • value: 67
	  • displayed: SFD5E:Static Filter DWDM 5 Channel (E Variant)
	• pss_aluWdmSFD5FCard
	  • value: 68
	  • displayed: SFD5F:Static Filter DWDM 5 Channel (F Variant)
	• pss_aluWdmSFD5GCard
	  • value: 69
	  • displayed: SFD5G:Static Filter DWDM 5 Channel (G Variant)
	• pss_aluWdmSFD5HCard
	  • value: 70
	  • displayed: SFD5H:Static Filter DWDM 5 Channel (H Variant)
	• pss_aluWdmSFD8ACard
	  • value: 71
	  • displayed: SFD8A:Static Filter DWDM 8 Channel (A Variant)
	• pss_aluWdmSFD8BCard
	  • value: 72
	  • displayed: SFD8B:Static Filter DWDM 8 Channel (B Variant)
	• pss_aluWdmSFD8CCard
	  • value: 73
	  • displayed: SFD8C:Static Filter DWDM 8 Channel (C Variant)
	• pss_aluWdmSFD8DCard
	  • value: 74
	  • displayed: SFD8D:Static Filter DWDM 8 Channel (D Variant)
	• pss_aluWdmSFC2ACard
	  • value: 75
	  • displayed: SFC2A:Static Filter CWDM 2 Channel (A Variant)
	• pss_aluWdmSFC2BCard
	  • value: 76
	  • displayed: SFC2B:Static Filter CWDM 2 Channel (B Variant)
	• pss_aluWdmSFC2CCard
	  • value: 77
	  • displayed: SFC2C:Static Filter CWDM 2 Channel (C Variant)
	• pss_aluWdmSFC2DCard
	  • value: 78
	  • displayed: SFC2D:Static Filter CWDM 2 Channel (D Variant)
	• pss_aluWdmSFC4ACard
	  • value: 79
	  • displayed: SFC4A:Static Filter CWDM 4 Channel (A Variant)
	• pss_aluWdmSFC4BCard
	  • value: 80
	  • displayed: SFC4B:Static Filter CWDM 4 Channel (B Variant)
	• pss_aluWdmSFC8Card
	  • value: 81
	  • displayed: SFC8:Static Filter CWDM 8 Channel
	• pss_aluWdmSFC1ACard
	  • value: 82
	  • displayed: SFC1A: Static Filter CWDM 1 Channel (A Variant)

(3 of 4)

Name	Value

Values (continued)	• pss_aluWdmSFC1BCard
	  • value: 83
	  • displayed: SFC1B: Static Filter CWDM 1 Channel (B Variant)
	• pss_aluWdmSFC1CCard
	  • value: 84
	  • displayed: SFC1C: Static Filter CWDM 1 Channel (C Variant)
	• pss_aluWdmSFC1DCard
	  • value: 85
	  • displayed: SFC1D: Static Filter CWDM 1 Channel (D Variant)
	• pss_aluWdmSFC1ECard
	  • value: 86
	  • displayed: SFC1E: Static Filter CWDM 1 Channel (E Variant)
	• pss_aluWdmSFC1FCard
	  • value: 87
	  • displayed: SFC1F: Static Filter CWDM 1 Channel (F Variant)
	• pss_aluWdmSFC1GCard
	  • value: 88
	  • displayed: SFC1G: Static Filter CWDM 1 Channel (G Variant)
	• pss_aluWdmSFC1HCard
	  • value: 89
	  • displayed: SFC1H: Static Filter CWDM 1 Channel (H Variant)
	• pss_aluWdmSfd44Card
	  • value: 90
	  • displayed: SFD44:Static Filter DWDM 44 Channel
	• pss_aluWdmSfd44bCard
	  • value: 91
	  • displayed: SFD44b:Static Filter DWDM 44 Odd Channel
	• pss_aluWdmSfd40Card
	  • value: 92
	  • displayed: SFD40:Static Filter DWDM 40 Channel
	• pss_aluWdmSfd40bCard
	  • value: 93
	  • displayed: SFD40b:Static Filter DWDM 40 Odd Channel
	• pss_aluWdm4dpa4DualTranCard
	  • value: 94
	  • displayed: 4DPA4 DualTran-4G Dual Port Pluggable AnyRate(4 Client)

Default	unspecified

(4 of 4)

Table 11-15 fanSpeed

Name	Value
Description	tnFanUnitSpeedControl - Fan Speed Control.
Type	Enum

Values	• normal
	  • value: 1
	  • displayed: Normal

(1 of 2)

Name	Value

Values (continued)	• maximum
	  • value: 2
	  • displayed: Maximum

Displayed name	Fan Speed

(2 of 2)

Table 11-16 ingressAdjustPowerGain

Name	Value
Description	tnPowerMgmtIngressAdjustPowerGain.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Displayed name	Ingress Adjust Power Gain (/Power Adjustment)

Table 11-17 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 11-18 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 11-19 rippleAllowance

Name	Value
Description	tnPowerMgmtIngressRippleAllowance - The ripple allowance.
Type	Float
Units	dB
Displayed name	WSS Overhead (/Power Adjustment)

Table 11-20 sfcCardFiberMode

Name	Value
Description	tnSfcCardFiberMode - Fiber mode for SFC Cards.
Type	Enum

Values	• twoFiber
	  • value: 1
	  • displayed: TwoFiber
	• oneFiberMux
	  • value: 2
	  • displayed: OneFiberMux

Displayed name	Fiber Mode

Table 11-21 wssCardAddPathEgressPower

Name	Value
Description	tnWssCardAddPathEgressPower - For CWR Card. The desired output power for add services as they come out the WDM port. Current configurable range: -3500 to 1100.
Type	Float
Minimum	-35
Maximum	11
Units	dBm
Displayed name	Add Path Output Power (/CWR)

Table 11-22 wssCardAddPathTargetPower

Name	Value
Description	tnWssCardAddPathTargetPower - For CWR Card. The desired power at the output of the amplet inside the WSS. Current configurable range: -1000 to 1000.
Type	Float

(1 of 2)

Name	Value
Minimum	-10
Maximum	10
Units	dBm
Displayed name	Add Path Target Power (/CWR)

(2 of 2)

Table 11-23 wssCardAddPathTotalChannel

Name	Value
Description	tnWssCardAddPathTotalChannel - 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.
Type	Integer
Minimum	8
Maximum	88
Displayed name	Maximum Add Channel Count (/CWR)

Table 11-24 wssCardReservedDegree

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

12 — OpticalLink

Table 12-1 OpticalLink parameters

Parameters	
displayedName linkDirection	notes opticalLinkId

Table 12-2 displayedName

Name	Value
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.
Type	string
Minimum	0
Maximum	64
Displayed name	Name

Table 12-3 linkDirection

Name	Value
Description	Direction of the link discovered
Type	Enum

(1 of 2)

Name	Value

Values	• BiDirectional
	  • value: 1
	  • displayed: Bidirectional
	• UniDirectional
	  • value: 2
	  • displayed: Unidirectional

Default	BiDirectional
Displayed name	Direction

(2 of 2)

Table 12-4 notes

Name	Value
Description	Information about the optical Link
Type	string
Minimum	0
Maximum	254
Displayed name	Notes

Table 12-5 opticalLinkId

Name	Value
Type	Long integer
Default	0
Minimum	1
Maximum	2147483647

13 — OpticalNeProperties

Table 13-1 OpticalNeProperties parameters

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

Table 13-2 ainsTimer

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

Table 13-3 alarmReportingControl

Name	Value
Description	Alarm Reporting Control
Type	Enum

Values	• released
	  • value: 2
	  • displayed: Released
	• indefiniteInhibition
	  • value: 3
	  • displayed: Indefinite Inhibition

Default	indefiniteInhibition
Displayed name	Alarm Reporting Control

Table 13-4 configuredIpAddress

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

Table 13-5 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 .
Type	Enum

Values	• true
	  • value: 1
	  • displayed: Loopback IP Only
	• false
	  • value: 2
	  • displayed: Any IP Interface

Displayed name	SNMP Source

Table 13-6 configuredSubnetMask

Name	Value
Description	tnSysConfiguredSubnetMask. Set this value to change the Subnet Mask of the NE.
Type	InetAddress

Table 13-7 contact

Name	Value
Description	sysContact
Type	string
Minimum	0
Maximum	255
Displayed name	Contact

Table 13-8 featureIpUtiltiesRestricted

Name	Value
Description	Feature IP Utilities restriected
Type	boolean
Default	false
Displayed name	Feature IP Utilities restricted

Table 13-9 featurePauseFlowControl

Name	Value
Description	Feature Pause Flow Control
Type	Enum

Values	• manual
	  • value: 1
	  • displayed: Manual
	• negotiated
	  • value: 2
	  • displayed: Negotiated

Default	negotiated
Displayed name	Feature Pause Flow Control

Table 13-10 ipv4AddrType

Name	Value
Description	used to define the ip addr type field
Type	Enum

Values	• unknown
	  • value: 0
	  • displayed: Unknown
	  • not selectable
	• ipv4
	  • value: 1
	  • displayed: IPv4
	• ipv6
	  • value: 2
	  • displayed: IPv6
	• ipv4z
	  • value: 3
	  • displayed: IPv4z
	  • not selectable
	• ipv6z
	  • value: 4
	  • displayed: IPv6z
	• dns
	  • value: 16
	  • displayed: DNS
	  • not selectable
	• ipv4Mcast
	  • value: 128
	  • displayed: IPv4 Multicast
	  • not selectable
	• ipv6Mcast
	  • value: 129
	  • displayed: IPv6 Multicast
	  • not selectable

Default	ipv4

Table 13-11 neDescription

Name	Value
Description	tnSysDescr
Type	string
Minimum	0
Maximum	255
Displayed name	Network Element Description

Table 13-12 opticalNeId

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

Table 13-13 temperatureInCelsius

Name	Value
Description	Temperature Units
Type	Enum

Values	• celsius
	  • value: 1
	  • displayed: Celsius
	• fahrenheit
	  • value: 2
	  • displayed: Fahrenheit

Table 13-14 wavekeySpace

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

14 — OpticalPortSpecifics

Table 14-1 OpticalPortSpecifics parameters

Parameters	
ampPortAprDisable	cnDhcpGateway
ampPortPowerDeltaMax	cnDhcpRange
ampPortPowerGain	cnDhcpServer
ampPortPowerGainBackoff	cnHelloInterval
ampPortPowerGainMax	cnIpAddr
ampPortPowerGainMin	cnLinkDuplex
ampPortPowerIn	cnLinkSpeed
ampPortPowerOut	cnOscMode
ampPortTargetTilt	cnOspfRoutingState
apAins	cnProxyArp
apAinsDebounceTime	cnRtrDeadInterval
apDesc	cnRtrPriority
apDirection	cnSubnetMask
apExtAmpIpAddrIn	cnTeMetric
apExtAmpIpAddrOut	cpLosProp
apIsDomainEdgePort	cpProtTs1
apUsingSysAinsDebounceTime	cpProtTs2
assignedRate	cpTs1
broadcastPortMap	cpTs2
cbrArPortHdsdiRate	cpTsMap

Parameters	
cwrPortDropTargetPower	otuExTti
facilityLoopback	otuFecMode
gccPortStatus	otuRate
gpPortAutoNegotiation	otuTimConsAction
gpPortErroredFrameDrop	otuTimDetMode
gpPortPacketFcMode	otuTxTti
gpPortPacketIfType	portType
ipv4AddrType	portXfpType
lpBroadcastFrom	powerMgmtIsCommissioned
lpCrossRegPartner	powerMgmtTypeIn
lpTransmissionMode	powerMgmtTypeOut
msmonExcThLevel	redistribute
msmonMappingMode	rsmonEgrSigMode
msmonPortDegThLevel	rsmonEgrTimod
nwPortChannelRx	rsmonIngrExTti
nwPortProgrammedChannel	rsmonIngrTimConsAction
odu0Interworking	rsmonIngrTimDet
oduExTti	rsmonIngrTimod
oduMappingMode	rsmonIngrTxTti
oduOchSignalDefConsAction	terminalLoopback
oduPayloadType	vts10Source
oduPlmConsAction	vts1Source
oduTimConsAction	vts2Source
oduTimDetMode	vts3Source
oduTpMode	vts4Source
oduTxTti	vts5Source
omdPortLosOutThreshold	vts6Source
omdPortLosOutThresholdTolerance	vts7Source
omdPortLosThreshold	vts8Source
omdPortLosThresholdTolerance	vts9Source
opsaSwitchingThreshCalcControl	wkPortChannelEgressPower
opsaSwitchingThreshold	wkPortChannelIngressPower
opsaSwitchingThreshTolerance	wkPortChPowerDeviationIn
opsaTxAttenuation	wkPortChPowerDeviationOut
ospfTopologyId	

Table 14-2 ampPortAprDisable

Name	Value
Description	tnAmplifierPortAprDisable - The Auto Power Recovery Disable.
Type	boolean
Displayed name	APR Disabled (/Power)

Table 14-3 ampPortPowerDeltaMax

Name	Value
Description	tnAmplifierPortPowerDeltaMax. EPT - delta max.
Type	Float
Minimum	0
Maximum	5
Units	dB
Displayed name	Allowed Gain Delta (/Power)

Table 14-4 ampPortPowerGain

Name	Value
Description	tnAmplifierPortPowerGain - Applies to the signal port of the amplifier card.
Type	Float
Minimum	6
Maximum	23
Units	dB
Displayed name	Power Gain (/Power)

Table 14-5 ampPortPowerGainBackoff

Name	Value
Description	tnAmplifierPortPowerGainBackoff - The adjustment made to min/max gain by power management when commissioning.
Type	Float
Minimum	0
Maximum	10
Units	dB
Displayed name	Splice Margin (/Power)

Table 14-6 ampPortPowerGainMax

Name	Value
Description	tnAmplifierPortPowerGainMax - Applies to the signal port of the amplifier card.
Type	Float
Minimum	6

(1 of 2)

Name	Value
Maximum	33
Units	dB
Displayed name	Max Power Gain (/Power)

(2 of 2)

Table 14-7 ampPortPowerGainMin

Name	Value
Description	tnAmplifierPortPowerGainMin - Applies to the signal port of the amplifier card.
Type	Float
Minimum	6
Maximum	33
Units	dB
Displayed name	Min Power Gain (/Power)

Table 14-8 ampPortPowerIn

Name	Value
Description	tnAmplifierPortPowerIn - The total input power. Applies to fromDcm and line ports of the amplifier card:
Type	Float
Units	dBm

Table 14-9 ampPortPowerOut

Name	Value
Description	tnAmplifierPortPowerOut - The total output power. Applies to the signal and toDcm ports of the amplifier card
Type	Float
Units	dBm

Table 14-10 ampPortTargetTilt

Name	Value
Description	tnAmplifierPortTargetTilt. EPT - Tilt.
Type	Float

(1 of 2)

Name	Value
Minimum	-3
Maximum	0
Units	dB
Displayed name	Target Tilt (/Power)

(2 of 2)

Table 14-11 apAins

Name	Value
Description	tnAccessPortAINS - 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.
Type	boolean
Displayed name	Port AINS (/AINS)

Table 14-12 apAinsDebounceTime

Name	Value
Description	tnAccessPortAINSDebounceTime - 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.
Type	Integer
Minimum	0
Maximum	345600
Units	seconds
Displayed name	AINS Timer (/AINS)

Table 14-13 apDesc

Name	Value
Description	tnAccessPortDescr - Port Description.
Type	string
Minimum	0
Maximum	255
Displayed name	Specific Description

Table 14-14 apDirection

Name	Value
Description	tnAccessPortDirecton - 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)
Type	Enum

Values	• bi
	  • value: 1
	  • displayed: BID
	• uniTx
	  • value: 2
	  • displayed: UNI TX
	• uniRx
	  • value: 3
	  • displayed: UNI RX

Displayed name	Direction

Table 14-15 apExtAmpIpAddrIn

Name	Value
Description	tnAccessPortExtAmpIpAddressIn - 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	InetAddress
Default	0.0.0.0

Table 14-16 apExtAmpIpAddrOut

Name	Value
Description	tnAccessPortExtAmpIpAddressOut - 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	InetAddress
Default	0.0.0.0

Table 14-17 apIsDomainEdgePort

Name	Value
Description	tnAccessPortIsDomainEdgePort - 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 14-18 apUsingSysAinsDebounceTime

Name	Value
Description	tnAccessPortUsingSysAINSDebounceTime - 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.
Type	boolean
Displayed name	Use System Default AINS Timer (/AINS)

Table 14-19 assignedRate

Name	Value
Description	tnIfType - Assigned Port Rate.
Type	Enum

Values	• unassigned
	  • value: 1
	  • displayed: Unassigned
	• default
	  • value: 2
	  • displayed: Default
	• unknown
	  • value: 3
	  • displayed: Unknown
	• oc3
	  • value: 4
	  • displayed: OC3
	• oc12
	  • value: 5
	  • displayed: OC12
	• oc48
	  • value: 6
	  • displayed: OC48
	• oc192
	  • value: 7
	  • displayed: OC192

(1 of 3)

Name	Value

Values (continued)	• ots
	  • value: 8
	  • displayed: OTS
	• och
	  • value: 9
	  • displayed: OCH
	• otu1
	  • value: 10
	  • displayed: OTU1
	• otu2
	  • value: 11
	  • displayed: OTU2
	• gige
	  • value: 12
	  • displayed: 1GbE
	• tenGige
	  • value: 13
	  • displayed: 10GbE
	• stm1
	  • value: 14
	  • displayed: STM1
	• stm4
	  • value: 15
	  • displayed: STM4
	• stm16
	  • value: 16
	  • displayed: STM16
	• stm64
	  • value: 17
	  • displayed: STM64
	• fc1g
	  • value: 18
	  • displayed: FC100
	• fc2g
	  • value: 19
	  • displayed: FC200
	• fc4g
	  • value: 20
	  • displayed: FC400
	• fc10g
	  • value: 21
	  • displayed: FC10G
	• cbr2g5
	  • value: 22
	  • displayed: CBR2G5
	• cbr10g
	  • value: 23
	  • displayed: CBR10G
	• hdSdi
	  • value: 25
	  • displayed: HDSDI
	• fe
	  • value: 26
	  • displayed: FE

(2 of 3)

Name	Value

Values (continued)	• fddi
	  • value: 27
	  • displayed: FDDI
	• esCon
	  • value: 28
	  • displayed: ESCON
	• dvbAsi
	  • value: 29
	  • displayed: DVBASI
	• dvi6000
	  • value: 30
	  • displayed: DVI 6000
	• otu3
	  • value: 31
	  • displayed: OTU3
	• oc768
	  • value: 32
	  • displayed: OC768
	• stm256
	  • value: 33
	  • displayed: STM256
	• otu4
	  • value: 34
	  • displayed: OTU4
	• fc8g
	  • value: 35
	  • displayed: FC8G
	• hundredGige
	  • value: 36
	  • displayed: 100GbE
	• sdsdi
	  • value: 37
	  • displayed: SDSDI
	• subGigE
	  • value: 39
	  • displayed: SubGigE

Default	unassigned

(3 of 3)

Table 14-20 broadcastPortMap

Name	Value
Description	Client Broadcast port map.
Type	string

Table 14-21 cbrArPortHdsdiRate

Name	Value
Description	tnDwdmCbrArPortHdsdiRate - HDSDI rate, which is compatible with existing NTSC systems.
Type	Enum

Values	• hdSdi_1_485
	  • value: 1
	  • displayed: 1.485
	• hdSdi_1_485_1_001
	  • value: 2
	  • displayed: 1.485/1.001

Units	Gbps
Displayed name	HDSDI Rate

Table 14-22 cnDhcpGateway

Name	Value
Description	tnCNLinkDHCPDfltGtwy - Indicates if default gateway IP address is distributed via DHCP on this interface.
Type	boolean
Displayed name	Distribute Default Gateway via DHCP (/Control Network)

Table 14-23 cnDhcpRange

Name	Value
Description	tnCNLinkDHCPRange - DHCP range. Current configurable range: 0 to 10
Type	Integer
Minimum	1
Maximum	10
Displayed name	DHCP IP Range (/Control Network)

Table 14-24 cnDhcpServer

Name	Value
Description	tnCNLinkDHCPServer - DHCP server configured.
Type	boolean
Displayed name	DHCP Server Enabled (/Control Network)

Table 14-25 cnHelloInterval

Name	Value
Description	tnCNLinkHelloInterval - The hello interval of the link.
Type	Long integer
Minimum	1
Maximum	65535
Units	seconds
Displayed name	Hello Interval (/OSPF)

Table 14-26 cnIpAddr

Name	Value
Description	tnCNLinkIpAddress.
Type	InetAddress
Default	0.0.0.0
Displayed name	IP Address (/Control Network)

Table 14-27 cnLinkDuplex

Name	Value
Description	tnCNLinkDuplex.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto
	• half
	  • value: 2
	  • displayed: Half
	• full
	  • value: 3
	  • displayed: Full

Default	auto
Displayed name	Provisioned Duplex Mode (/Control Network)

Table 14-28 cnLinkSpeed

Name	Value
Description	tnCNLinkSpeed.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto
	• rate10Mbps
	  • value: 2
	  • displayed: 10 Mbps
	• rate100Mbps
	  • value: 3
	  • displayed: 100 Mbps

Default	auto
Displayed name	Provisioned Link Speed (/Control Network)

Table 14-29 cnOscMode

Name	Value
Description	tnCNLinkOscMode - OSC mode.
Type	Enum

Values	• oc3stm1
	  • value: 1
	  • displayed: OC3/STM1
	• base100FX
	  • value: 2
	  • displayed: 100BaseFX

Displayed name	OSC Mode (/OSC)

Table 14-30 cnOspfRoutingState

Name	Value
Description	tnCNLinkOspfRoutingState.
Type	Enum

Values	• disable
	  • value: 1
	  • displayed: Disabled
	• enable
	  • value: 2
	  • displayed: Enabled

	•

(1 of 2)

Name	Value

Values (continued)	• redistribute
	  • value: 3
	  • displayed: Redistribute

Default	disable
Displayed name	OSPF Routing State (/OSPF)

(2 of 2)

Table 14-31 cnProxyArp

Name	Value
Description	tnCNLinkProxyArp - Proxy Arp configured.
Type	boolean
Displayed name	Proxy ARP (/Control Network)

Table 14-32 cnRtrDeadInterval

Name	Value
Description	tnCNLinkRtrDeadInterval - 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.
Type	Long integer
Minimum	1
Maximum	65535
Units	seconds
Displayed name	Dead Interval (/OSPF)

Table 14-33 cnRtrPriority

Name	Value
Description	tnCNLinkConfigRtrPriority - The router priority of the link.
Type	Long integer
Minimum	0
Maximum	255
Displayed name	Router Priority (/OSPF)

Table 14-34 cnSubnetMask

Name	Value
Description	tnCNLinkSubnetMask
Type	InetAddress
Default	0.0.0.0
Displayed name	Subnet Mask (/Control Network)

Table 14-35 cnTeMetric

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

Table 14-36 cpLosProp

Name	Value
Description	The LOS propagation of Client Port.
Type	Enum

Values	• laserOn
	  • value: 1
	  • displayed: LASER ON
	• laserOff
	  • value: 2
	  • displayed: LASER OFF

Displayed name	LOS Propagation

Table 14-37 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 14-38 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 14-39 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
Displayed name	ODU1 Trib

Table 14-40 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
Displayed name	STS3c Time Slot

Table 14-41 cpTsMap

Name	Value
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 14-42 cwrPortDropTargetPower

Name	Value
Description	tnCwr8c88PortDropTargetPower - The following description applies to the colorless port of the CWR8-88 card: The drop target power
Type	Float
Units	dBm
Displayed name	Drop Path Target Power (/Power)

Table 14-43 facilityLoopback

Name	Value
Description	tnLoopbackPortLLEB - Facility Loopback.
Type	boolean
Displayed name	Facility Loopback (/Test/Analysis)

Table 14-44 gccPortStatus

Name	Value
Description	tnGccPort - The GCC status.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	GCC Channel Status

Table 14-45 gpPortAutoNegotiation

Name	Value
Description	tnDwdmGpPhyPortAutoNegotiation - The auto negotiation status.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled

(1 of 2)

Name	Value

Values (continued)	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	Auto Negotiation

(2 of 2)

Table 14-46 gpPortErroredFrameDrop

Name	Value
Description	tnDwdmGpPhyPortErroredFrameDrop - The errored frame drop status.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	Errored Frame Drop Mode (/GbE LAN)

Table 14-47 gpPortPacketFcMode

Name	Value
Description	tnDwdmGpPhyPortPacketFcMode - The fiber channel mode.
Type	Enum

Values	• fc
	  • value: 1
	  • displayed: Fibre Channel
	• ficon
	  • value: 2
	  • displayed: FICON
	• isc
	  • value: 3
	  • displayed: ISC3 Peer Mode

Displayed name	FC Mode (/Fiber Channel)

Table 14-48 gpPortPacketIfType

Name	Value
Description	tnDwdmGpPhyPortPacketIfType - The packet interface type.
Type	Enum

(1 of 2)

Name	Value

Values	• escon
	  • value: 1
	• ficon
	  • value: 2
	• isc3
	  • value: 3
	• ficonE
	  • value: 4
	• ge1
	  • value: 5
	• fddi
	  • value: 6
	• fc1G
	  • value: 7
	• fc2G
	  • value: 8
	• fc4G
	  • value: 9
	• base100Fx
	  • value: 10
	• dvbAsi
	  • value: 11
	• dvi6000
	  • value: 12
	• dv6000
	  • value: 13
	• ge10GfpF
	  • value: 14
	  • displayed: GFP-F
	• ge10GfpFp
	  • value: 15
	  • displayed: GFP-P
	• ge10Cbr11049
	  • value: 16
	  • displayed: CBRLAN11.049
	• ge10Cbr11096
	  • value: 17
	  • displayed: CBRLAN11.096
	• fc10G
	  • value: 18
	• ge1GfpF
	  • value: 19
	  • displayed: GFP-F
	• ge1GfpT
	  • value: 20
	  • displayed: GFP-T

Displayed name	Encapsulation Mode (/GbE LAN)

(2 of 2)

Table 14-49 ipv4AddrType

Name	Value
Description	used to define the ip addr type field
Type	Enum

Values	• unknown
	  • value: 0
	  • displayed: Unknown
	  • not selectable
	• ipv4
	  • value: 1
	  • displayed: IPv4
	• ipv6
	  • value: 2
	  • displayed: IPv6
	• ipv4z
	  • value: 3
	  • displayed: IPv4z
	  • not selectable
	• ipv6z
	  • value: 4
	  • displayed: IPv6z
	• dns
	  • value: 16
	  • displayed: DNS
	  • not selectable
	• ipv4Mcast
	  • value: 128
	  • displayed: IPv4 Multicast
	  • not selectable
	• ipv6Mcast
	  • value: 129
	  • displayed: IPv6 Multicast
	  • not selectable

Default	ipv4

Table 14-50 lpBroadcastFrom

Name	Value
Description	tnDwdmCmnLinePortBroadcastFrom - Broadcast From Port.
Type	Long integer

Table 14-51 lpCrossRegPartner

Name	Value
Description	Cross reg partner port of Line Port.
Type	Enum

(1 of 2)

Name	Value

Values	• l1
	  • value: 1
	  • displayed: L1
	• l2
	  • value: 2
	  • displayed: L2
	• l3
	  • value: 3
	  • displayed: L3
	• l4
	  • value: 4
	  • displayed: L4

Displayed name	CrossRegen Partner Port

(2 of 2)

Table 14-52 lpTransmissionMode

Name	Value
Description	The transmission mode of Lone Port.
Type	Enum

Values	• adddrop
	  • value: 1
	  • displayed: AddDrop
	• dropOnly
	  • value: 2
	  • displayed: DropOnly
	• addOnly
	  • value: 3
	  • displayed: AddOnly
	• thru
	  • value: 4
	  • displayed: Thru
	• dropContinue
	  • value: 5
	  • displayed: DropContinue
	• crossRegen
	  • value: 6
	  • displayed: CrossRegen

Displayed name	Operational Mode

Table 14-53 msmonExcThLevel

Name	Value
Description	tnMsmonPortExcThLevel - BER Threshold for excessive BER defect (SFTH).
Type	Enum

(1 of 2)

Name	Value

Values	• e3
	  • value: 1
	  • displayed: 10-3
	• e4
	  • value: 2
	  • displayed: 10-4
	• e5
	  • value: 3
	  • displayed: 10-5

Displayed name	Signal Failure Threshold (/SONET/SDH)

(2 of 2)

Table 14-54 msmonMappingMode

Name	Value
Description	tnMsmonPortMappingMode - MSMON mapping mode.
Type	Enum

Values	• null
	  • value: 1
	  • displayed
	• prbs
	  • value: 2
	  • displayed: prbs
	• cbrA
	  • value: 3
	  • displayed: cbrA
	• cbrB
	  • value: 4
	  • displayed: cbrB
	• rsA
	  • value: 5
	  • displayed: Async
	• rsB
	  • value: 6
	  • displayed: BitSync
	• lanPhyGfp
	  • value: 7
	  • displayed: lanPhyGfp

Displayed name	Mapping Mode (/SONET/SDH)

Table 14-55 msmonPortDegThLevel

Name	Value
Description	tnMsmonPortDegThLevel - BER Threshold for SD defect (SDTH).
Type	Enum

(1 of 2)

Name	Value

Values	• e5
	  • value: 1
	  • displayed: 10-5
	• e6
	  • value: 2
	  • displayed: 10-6
	• e7
	  • value: 3
	  • displayed: 10-7
	• e8
	  • value: 4
	  • displayed: 10-8
	• e9
	  • value: 5
	  • displayed: 10-9

Displayed name	Signal Degrade Threshold (/SONET/SDH)

(2 of 2)

Table 14-56 nwPortChannelRx

Name	Value
Description	tnNwPortChannelRx - The Rx ITU channel.
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)

(1 of 12)

Name	Value

Values (continued)	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)

(2 of 12)

Name	Value

Values (continued)	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)

(3 of 12)

Name	Value

Values (continued)	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)

(4 of 12)

Name	Value

Values (continued)	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)

(5 of 12)

Name	Value

Values (continued)	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)

(6 of 12)

Name	Value

Values (continued)	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)

(7 of 12)

Name	Value

Values (continued)	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)

(8 of 12)

Name	Value

Values (continued)	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)

(9 of 12)

Name	Value

Values (continued)	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)

(10 of 12)

Name	Value

Values (continued)	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)

(11 of 12)

Name	Value

Values (continued)	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Displayed name	Receive Frequency

(12 of 12)

Table 14-57 nwPortProgrammedChannel

Name	Value
Description	tnNwPortProgrammedChannel - The programmed ITU channel.
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)

(1 of 11)

Name	Value

Values (continued)	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)

(2 of 11)

Name	Value

Values (continued)	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)

(3 of 11)

Name	Value

Values (continued)	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)

(4 of 11)

Name	Value

Values (continued)	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)

(5 of 11)

Name	Value

Values (continued)	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)

(6 of 11)

Name	Value

Values (continued)	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)

(7 of 11)

Name	Value

Values (continued)	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)

(8 of 11)

Name	Value

Values (continued)	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)

(9 of 11)

Name	Value

Values (continued)	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)

(10 of 11)

Name	Value

Values (continued)	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Displayed name	Transmit Frequency

(11 of 11)

Table 14-58 odu0Interworking

Name	Value
Description	tnDwdmCmnLinePortOdu1Interworking - ODU1 interworking.
Type	boolean
Displayed name	ODU0 Interworking Enabled (/ODU)

Table 14-59 oduExTti

Name	Value
Description	ODU expected TTI.
Type	string
Minimum	0
Maximum	15
Displayed name	ODU Expected TTI (/ODU)

Table 14-60 oduMappingMode

Name	Value
Description	ODU mapping mode.
Type	Enum

Values	• null
	  • value: 1
	  • displayed
	• prbs
	  • value: 2
	  • displayed: prbs
	• cbrA
	  • value: 3
	  • displayed: cbrA
	• cbrB
	  • value: 4
	  • displayed: cbrB
	• rsA
	  • value: 5
	  • displayed: Async
	• rsB
	  • value: 6
	  • displayed: BitSync
	• lanPhyGfp
	  • value: 7
	  • displayed: lanPhyGfp

Displayed name	ODU Mapping Mode (/ODU)

Table 14-61 oduOchSignalDefConsAction

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

Values	• none
	  • value: 1
	  • displayed: Disabled
	• ais
	  • value: 2
	  • displayed: AIS
	• oduAis
	  • value: 3
	  • displayed: ODU AIS
	• msAis
	  • value: 4
	  • displayed: MS AIS
	• genericAis
	  • value: 5
	  • displayed: Generic AIS
	• lfi
	  • value: 6
	  • displayed: LFI
	• laserOff
	  • value: 7
	  • displayed: LASER OFF

Table 14-62 oduPayloadType

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

Table 14-63 oduPlmConsAction

Name	Value
Description	PLM consequence action.
Type	boolean
Displayed name	ODU Payload Type Mismatch Response (/ODU)

Table 14-64 oduTimConsAction

Name	Value
Description	ODU TIM consequence action.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	ODU TTI Mismatch Response (/ODU)

Table 14-65 oduTimDetMode

Name	Value
Description	ODU TIM detection mode.
Type	Enum

Values	• off
	  • value: 1
	  • displayed: Disabled
	• sapiOnly
	  • value: 2
	  • displayed: Enabled

Displayed name	ODU TTI Comparison (/ODU)

Table 14-66 oduTpMode

Name	Value
Description	ODU TP mode.
Type	boolean

Table 14-67 oduTxTti

Name	Value
Description	ODU transmitted TTI.
Type	string
Minimum	0
Maximum	15
Displayed name	ODU Transmitted TTI (/ODU)

Table 14-68 omdPortLosOutThreshold

Name	Value
Description	tnOmdPortLosOutThreshold - applies to the SIG_OUT of the OMD port of the SFD5 and SFD8 cards.
Type	Float
Minimum	-32
Maximum	20
Units	dBm
Displayed name	Output LOS Threshold (/OMD)

Table 14-69 omdPortLosOutThresholdTolerance

Name	Value
Description	tnOmdPortLosOutThresholdTolerance - 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.
Type	Float
Minimum	0
Maximum	6
Units	dB
Displayed name	Output LOS Threshold Tolerance (/OMD)

Table 14-70 omdPortLosThreshold

Name	Value
Description	tnOmdPortLosThreshold.
Type	Float
Minimum	-32
Maximum	20
Units	dBm
Displayed name	Input LOS Threshold (/OMD)

Table 14-71 omdPortLosThresholdTolerance

Name	Value
Description	tnOmdPortLosThresholdTolerance - 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.
Type	Float
Minimum	0
Maximum	6
Units	dB
Displayed name	Input LOS Threshold Tolerance (/OMD)

Table 14-72 opsaSwitchingThreshCalcControl

Name	Value
Description	tnOpsaPortSwitchingThreshCalcControl - 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.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto
	• manual
	  • value: 2
	  • displayed: Manual

Displayed name	Switching Threshold Calculation Mode (/OPSA)

Table 14-73 opsaSwitchingThreshTolerance

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

Table 14-74 opsaSwitchingThreshold

Name	Value
Description	tnOpsaPortSwitchingThreshold - 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.
Type	Float
Minimum	-30
Maximum	5
Units	dBm
Displayed name	Switching Threshold (/OPSA)

Table 14-75 opsaTxAttenuation

Name	Value
Description	tnOpsaPortTransmitAttenuation - 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.
Type	Float
Minimum	-1
Maximum	20
Units	dB
Displayed name	VOA Attenuation (/OPSA)

Table 14-76 ospfTopologyId

Name	Value
Description	tnOspfPortTopologyId.
Type	Integer

Table 14-77 otuExTti

Name	Value
Description	OTU Expected TTI.
Type	string
Minimum	0
Maximum	15
Displayed name	OTU Expected TTI (/OTU)

Table 14-78 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.
Type	Enum

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

Displayed name	FEC Mode (/OTU)

Table 14-79 otuRate

Name	Value
Description	OCH OTU Rate.
Type	Enum

Values	• otm10G709
	  • value: 1
	  • displayed: 10.709
	• otm11G049
	  • value: 2
	  • displayed: 11.049
	• otm11G096
	  • value: 3
	  • displayed: 11.096
	• otm11G27
	  • value: 4
	  • displayed: 11.27
	• otm2G66
	  • value: 5
	  • displayed: 2.66
	• otm4G55
	  • value: 6
	  • displayed: 4.55

(1 of 2)

Name	Value

Values (continued)	• otm111G810
	  • value: 7
	  • displayed: 111.810

Units	Gbps
Displayed name	OTU Rate (/OTU)

(2 of 2)

Table 14-80 otuTimConsAction

Name	Value
Description	OTU TIM consequence action.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	OTU TTI Mismatch Response (/OTU)

Table 14-81 otuTimDetMode

Name	Value
Description	OTU TIM detection mode.
Type	Enum

Values	• off
	  • value: 1
	  • displayed: Disabled
	• sapiOnly
	  • value: 2
	  • displayed: Enabled

Displayed name	OTU TTI Comparison (/OTU)

Table 14-82 otuTxTti

Name	Value
Description	OTU Transmitted TTI.
Type	string
Minimum	0

(1 of 2)

Name	Value
Maximum	15
Displayed name	OTU Transmitted TTI (/OTU)

(2 of 2)

Table 14-83 portType

Name	Value
Type	Enum

Values	• unknown
	  • value: 0
	• EC_CIT
	  • value: 1
	• EC_AUX
	  • value: 2
	• EC_ES1
	  • value: 3
	• EC_ES2
	  • value: 4
	• USRPNL_OAMP
	  • value: 11
	• USRPNL_VOIP
	  • value: 12
	• USRPNL_E1
	  • value: 13
	• USRPNL_E2
	  • value: 14
	• LAN1
	  • value: 45
	• LAN2
	  • value: 46
	• CIT
	  • value: 47
	• AHPHG_SIG
	  • value: 50
	• AHPHG_LN
	  • value: 51
	• AHPHG_OSC
	  • value: 52
	• AHPHG_DCM
	  • value: 53
	• AHPHG_INV
	  • value: 54
	• ALPHG_SIG
	  • value: 55
	• ALPHG_LN
	  • value: 56
	• ALPHG_OSC
	  • value: 57
	• ALPHG_INV
	  • value: 58

(1 of 5)

Name	Value

Values (continued)	• ALPHG_DCM
	  • value: 59
	• AHPLG_SIG
	  • value: 60
	• AHPLG_LN
	  • value: 61
	• AHPLG_OSC
	  • value: 62
	• AHPLG_INV
	  • value: 63
	• AHPLG_DCM
	  • value: 64
	• A2325A_SIG
	  • value: 65
	• A2325A_LN
	  • value: 66
	• A2325A_OSC
	  • value: 67
	• A2325A_INV
	  • value: 68
	• A2325A_DCM
	  • value: 69
	• ALPFGK_SIG
	  • value: 70
	• ALPFGK_LN
	  • value: 71
	• ALPFGK_OSC
	  • value: 72
	• ALPFGK_INV
	  • value: 73
	• ALPFGK_OSCSFP
	  • value: 74
	• ALPFGT_SIG
	  • value: 75
	• ALPFGT_INV
	  • value: 76
	• ALPFGT_OSC
	  • value: 77
	• ALPFGT_LN
	  • value: 78
	• ALPFGT_OSCSFP
	  • value: 79
	• OSC_SIG
	  • value: 80
	• OSC_INV
	  • value: 81
	• OSC_OSC
	  • value: 82
	• OSC_LN
	  • value: 83
	• OSC_OSCSFP
	  • value: 84

(2 of 5)

Name	Value

Values (continued)	• OSCT_SIG
	  • value: 85
	• OSCT_INV
	  • value: 86
	• OSCT_OSC
	  • value: 87
	• OSCT_LN
	  • value: 88
	• OSCT_OSCSFP
	  • value: 89
	• CWR8_SIG
	  • value: 151
	• CWR8_THRU
	  • value: 152
	• CWR8_OMD
	  • value: 153
	• CWR8_CLS
	  • value: 154
	• CWR8_TEST
	  • value: 155
	• CWR8_INV
	  • value: 156
	• CWR88_SIG
	  • value: 157
	• CWR88_THRU
	  • value: 158
	• CWR88_OMD
	  • value: 159
	• CWR88_CLS
	  • value: 160
	• CWR88_TEST
	  • value: 161
	• CWR88_INV
	  • value: 162
	• DCM_DCM
	  • value: 201
	• ITLB_SIG
	  • value: 211
	• ITLB_EVEN
	  • value: 212
	• ITLB_ODD
	  • value: 213
	• SFC_OMD
	  • value: 221
	• SFD_OMD
	  • value: 222
	• SFC_EXP
	  • value: 223
	• SFD_EXP
	  • value: 224
	• SFD5_OMD
	  • value: 225

(3 of 5)

Name	Value

Values (continued)	• SFD8_OMD
	  • value: 226
	• SFC_CHANNEL
	  • value: 227
	• SFD_CHANNEL
	  • value: 228
	• SFC8_EXP
	  • value: 229
	• 11STAR1_C
	  • value: 251
	• 11STAR1_L
	  • value: 252
	• 11DPE12_L
	  • value: 253
	• 11DPE12_C
	  • value: 254
	• 11DPE12_VA
	  • value: 255
	• 11QPA4_L
	  • value: 256
	• 11QPA4_C
	  • value: 257
	• 11QPA4_VA
	  • value: 258
	• 11STGE12_L
	  • value: 259
	• 11STGE12_C
	  • value: 260
	• 11STMM10_L
	  • value: 261
	• 11STMM10_C
	  • value: 262
	• 4DPA4_C
	  • value: 263
	• 4DPA4_L
	  • value: 264
	• 4DPA4_VA
	  • value: 265
	• 4DPA4_DT_C
	  • value: 266
	• 4DPA4_DT_L
	  • value: 267
	• 4DPA4_DT_VA
	  • value: 268
	• 4DPA2_C
	  • value: 269
	• 4DPA2_L
	  • value: 270
	• 43STA1P_L
	  • value: 271
	• 43STA1P_C
	  • value: 272

(4 of 5)

Name	Value

Values (continued)	• 43STX4_C
	  • value: 273
	• 43STX4_L
	  • value: 274
	• 43STX4P_L
	  • value: 275
	• 43STX4P_C
	  • value: 276
	• SVAC_L
	  • value: 277
	• SVAC_C
	  • value: 278
	• OPSA_SIG
	  • value: 279
	• OPSA_A
	  • value: 280
	• OPSA_B
	  • value: 281

Default	unknown

(5 of 5)

Table 14-84 portXfpType

Name	Value
Description	tnDwdmCmnPortXfpType - The programmed XFP or SFP type.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto
	• user
	  • value: 2
	  • displayed: User
	• ctSi11
	  • value: 3
	  • displayed: SI-1.1
	• ctSs11
	  • value: 4
	  • displayed: SS-1.1
	• ctSs12
	  • value: 5
	  • displayed: SS-1.2
	• ctSl11
	  • value: 6
	  • displayed: SL-1.1
	• ctSl12
	  • value: 7
	  • displayed: SL-1.2
	• ctSi161
	  • value: 8
	  • displayed: SI-16.1

(1 of 7)

Name	Value

Values (continued)	• ctSs161
	  • value: 9
	  • displayed: SS-16.1
	• ctSs162
	  • value: 10
	  • displayed: SS-16.2
	• ctSl161
	  • value: 11
	  • displayed: SL-16.1
	• ctSl162
	  • value: 12
	  • displayed: SL-16.2
	• ctXi641
	  • value: 13
	  • displayed: XI-64.1
	• ctXi642
	  • value: 14
	  • displayed: XI-64.2
	• ctXi643
	  • value: 15
	  • displayed: XI-64.3
	• ctXi645
	  • value: 16
	  • displayed: XI-64.5
	• ctXs641
	  • value: 17
	  • displayed: XS-64.1
	• ctXs642B
	  • value: 18
	  • displayed: XS-64.2B
	• ctXs643
	  • value: 19
	  • displayed: XS-64.3
	• ctXs645
	  • value: 20
	  • displayed: XS-64.5
	• ctXl641
	  • value: 21
	  • displayed: XL-64.1
	• ctXl642
	  • value: 22
	  • displayed: XL-64.2
	• ctXl643
	  • value: 23
	  • displayed: XL-64.3
	• ctXv642
	  • value: 24
	  • displayed: XV-64.2
	• ctXv643
	  • value: 25
	  • displayed: XV-64.3
	• ctSs162C
	  • value: 26
	  • displayed: SS-16.2C

(2 of 7)

Name	Value

Values (continued)	• ctSl162C
	  • value: 27
	  • displayed: SL-16.2C
	• ctXi642C
	  • value: 28
	  • displayed: XI-64.2C
	• ct1000B
	  • value: 29
	  • displayed: 1000B
	• ct10GB
	  • value: 30
	  • displayed: 10GB
	• ctSs161AR
	  • value: 31
	  • displayed: SS-16.1AR
	• ctETHEMR
	  • value: 32
	  • displayed: ETHEMR
	• ctXP1L12D2
	  • value: 33
	  • displayed: XP-1L12D2
	• ctS41
	  • value: 34
	  • displayed: S-4.1
	• ctL41
	  • value: 35
	  • displayed: L-4.1
	• ctL42
	  • value: 36
	  • displayed: L-4.2
	• ctAnyOC3
	  • value: 37
	  • displayed: ANY OC3
	• ctAnyOC12
	  • value: 38
	  • displayed: ANY OC12
	• ctAnyOC48
	  • value: 39
	  • displayed: ANY OC48
	• ctAnyOC192
	  • value: 40
	  • displayed: ANY OC192
	• ctAnyDATAS
	  • value: 41
	  • displayed: ANY DATA S
	• ctAnyDATAX
	  • value: 42
	  • displayed: ANY DATA X
	• ctXL642C
	  • value: 43
	  • displayed: XL-64.2C
	• ctXL642D
	  • value: 44
	  • displayed: XL-64.2D

(3 of 7)

Name	Value

Values (continued)	• ctSl162D
	  • value: 45
	  • displayed: SL-16.2D
	• ctSul11
	  • value: 46
	  • displayed: SUL-1.1
	• ctSi41
	  • value: 47
	  • displayed: SI-4.1
	• ctSs41
	  • value: 48
	  • displayed: SS-4.1
	• ctSs42
	  • value: 49
	  • displayed: SS-4.2
	• ctSl41
	  • value: 50
	  • displayed: SL-4.1
	• ctSl42
	  • value: 51
	  • displayed: SL-4.2
	• ct2FCSNI
	  • value: 52
	  • displayed: 2FCSN-I
	• ct2FCLCL
	  • value: 53
	  • displayed: 2FCLC-L
	• ct4FCSNI
	  • value: 54
	  • displayed: 4FCSN-I
	• ct4FCLCL
	  • value: 55
	  • displayed: 4FCLC-L
	• ct8FCSNI
	  • value: 56
	  • displayed: 8FCSN-I
	• ct8FCLCL
	  • value: 57
	  • displayed: 8FCLC-L
	• ct8FCLCLC
	  • value: 58
	  • displayed: 8FCLC-LC
	• ct8FCLCLD
	  • value: 59
	  • displayed: 8FCLC-LD
	• ctSul12
	  • value: 60
	  • displayed: SUL-1.2
	• ctSs161A
	  • value: 61
	  • displayed: SS-16.1A
	• ct1000BT
	  • value: 62
	  • displayed: 1000B-T

(4 of 7)

Name	Value

Values (continued)	• ct1000BCX
	  • value: 63
	  • displayed: 1000B-CX
	• ct1000BSX
	  • value: 64
	  • displayed: 1000B-SX
	• ct1000BLX
	  • value: 65
	  • displayed: 1000B-LX
	• ct1000BZX
	  • value: 66
	  • displayed: 1000B-ZX
	• ctXi641R
	  • value: 67
	  • displayed: XI-64.1R
	• ctXi642R
	  • value: 68
	  • displayed: XI-64.2R
	• ctXs642A
	  • value: 69
	  • displayed: XS-64.2A
	• ctXs643A
	  • value: 70
	  • displayed: XS-64.3A
	• ctXs645A
	  • value: 71
	  • displayed: XS-64.5A
	• ctXl642A
	  • value: 72
	  • displayed: XL-64.2A
	• ctXv642A
	  • value: 73
	  • displayed: XV-64.2A
	• ct10GBSR
	  • value: 74
	  • displayed: 10GB-SR
	• ct10GBLR
	  • value: 75
	  • displayed: 10GB-LR
	• ct10GBER
	  • value: 76
	  • displayed: 10GB-ER
	• ct10GBLRM
	  • value: 77
	  • displayed: 10GB-LRM
	• ct10GBSW
	  • value: 78
	  • displayed: 10GB-SW
	• ct10GBLW
	  • value: 79
	  • displayed: 10GB-LW
	• ct10GBEW
	  • value: 80
	  • displayed: 10GB-EW

(5 of 7)

Name	Value

Values (continued)	• ctXs642C
	  • value: 81
	  • displayed: XS-64.2C
	• ctSul12O
	  • value: 82
	  • displayed: SUL-1.20
	• ctSs162O
	  • value: 83
	  • displayed: SS-16.20
	• ctSl162O
	  • value: 84
	  • displayed: SL-16.20
	• ctEvoaFast
	  • value: 85
	  • displayed: fVOA
	• ctEvoaSlow
	  • value: 86
	  • displayed: sVOA
	• ct10GBZR
	  • value: 87
	  • displayed: 10GB-ZR
	• ct100BLX10
	  • value: 88
	  • displayed: 100BLX10
	• ctSEU12O
	  • value: 89
	  • displayed: SEU-1.20
	• ctXl64Tu
	  • value: 90
	  • displayed: XL-64TU
	• ctBncdvRx
	  • value: 91
	  • displayed: BNCDV-RX
	• ctBncdvTx
	  • value: 92
	  • displayed: BNCDV-TX
	• ctC113G4C
	  • value: 93
	  • displayed: C113G4C
	• ctC113G10C
	  • value: 94
	  • displayed: C113G10C
	• ct4FCOC
	  • value: 95
	  • displayed: 4FC-OC
	• ct4FCOD
	  • value: 96
	  • displayed: 4FC-OD
	• ctGeBx20U
	  • value: 97
	  • displayed: GE-BX20U
	• ctGeBx20D
	  • value: 98
	  • displayed: GE-BX20D

(6 of 7)

Name	Value

Values (continued)	• ctGeBx40U
	  • value: 99
	  • displayed: GE-BX40U
	• ctGeBx40D
	  • value: 100
	  • displayed: GE-BX40D
	• ctFeBx40U
	  • value: 101
	  • displayed: FE-BX40U
	• ctFeBx40D
	  • value: 102
	  • displayed: FE-BX40D

Displayed name	Pluggable Module Type

(7 of 7)

Table 14-85 powerMgmtIsCommissioned

Name	Value
Description	tnPowerMgmtPortIsCommissioned - 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.
Type	boolean
Displayed name	Commissioning Completed (/Power)

Table 14-86 powerMgmtTypeIn

Name	Value
Description	tnPowerMgmtPortTypeIn - The type of power management ingress.
Type	Enum

Values	• auto
	  • value: 1
	• manual
	  • value: 2
	• hybrid
	  • value: 3

Displayed name	Power Management Type (/Power)

Table 14-87 powerMgmtTypeOut

Name	Value
Description	tnPowerMgmtPortTypeOut - The type of power management egress.
Type	Enum

(1 of 2)

Name	Value

Values	• auto
	  • value: 1
	• manual
	  • value: 2
	• hybrid
	  • value: 3

(2 of 2)

Table 14-88 redistribute

Name	Value
Description	tnCNLinkOspfRoutingState.
Type	Enum

Values	• disable
	  • value: 1
	  • displayed: Disabled
	• enable
	  • value: 3
	  • displayed: Enabled

Default	disable
Displayed name	Redistribute (/Control Network)

Table 14-89 rsmonEgrSigMode

Name	Value
Description	tnRsmonEgrPortSigMode - RSMON signal mode.
Type	Enum

Values	• transparent
	  • value: 1
	  • displayed: Transparent
	• terminated
	  • value: 2
	  • displayed: Terminated

Displayed name	Signal Mode (/SONET/SDH)

Table 14-90 rsmonEgrTimod

Name	Value
Description	tnRsmonEgrPortTimod - RSMON TIMOD.
Type	Enum

(1 of 2)

Name	Value

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

Default	specific16Byte
Displayed name	J0 Format (/SONET/SDH)

(2 of 2)

Table 14-91 rsmonIngrExTti

Name	Value
Description	tnRsmonIngrPortExpectedTti - RSMON expected TTI.
Type	string
Minimum	0
Maximum	15
Displayed name	Expected J0 (/SONET/SDH)

Table 14-92 rsmonIngrTimConsAction

Name	Value
Description	tnRsmonIngrPortTimConsequenceAction - RSMON TIM consequence action.
Type	Enum

Values	• disabled
	  • value: 1
	  • displayed: Disabled
	• enabled
	  • value: 2
	  • displayed: Enabled

Displayed name	J0 Trace Mismatch Response (/SONET/SDH)

Table 14-93 rsmonIngrTimDet

Name	Value
Description	tnRsmonIngrPortTimDetection - RSMON TIM detection.
Type	boolean
Displayed name	J0 Trace Comparison (/SONET/SDH)

Table 14-94 rsmonIngrTimod

Name	Value
Description	tnRsmonIngrPortTimod - RSMON TIMOD.
Type	Enum

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

Default	specific16Byte
Displayed name	J0 Format (/SONET/SDH)

Table 14-95 rsmonIngrTxTti

Name	Value
Description	tnRsmonIngrPortTransmittedTti - RSMON transmitted TTI.
Type	string
Minimum	0
Maximum	15
Displayed name	Transmitted J0 (/SONET/SDH)

Table 14-96 terminalLoopback

Name	Value
Description	tnLoopbackPortDLEB - Terminal Loopback.
Type	boolean
Displayed name	Terminal Loopback (/Test/Analysis)

Table 14-97 vts10Source

Name	Value
Description	tnVtsPortVts10Source - Indicates the 'port connected to' from Virtual Time Slot 10 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11

(1 of 3)

Name	Value

Values (continued)	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7

(2 of 3)

Name	Value

Values (continued)	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS10 Source (/VTS Map)

(3 of 3)

Table 14-98 vts1Source

Name	Value
Description	tnVtsPortVts1Source - Indicates the 'port connected to' from Virtual Time Slot 1 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9

(1 of 3)

Name	Value

Values (continued)	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5

(2 of 3)

Name	Value

Values (continued)	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS1 Source (/VTS Map)

(3 of 3)

Table 14-99 vts2Source

Name	Value
Description	tnVtsPortVts2Source - Indicates the 'port connected to' from Virtual Time Slot 2 of 11DPE12 Line Port..
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7

(1 of 3)

Name	Value

Values (continued)	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3

(2 of 3)

Name	Value

Values (continued)	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS2 Source (/VTS Map)

(3 of 3)

Table 14-100 vts3Source

Name	Value
Description	tnVtsPortVts3Source - Indicates the 'port connected to' from Virtual Time Slot 3 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5

(1 of 3)

Name	Value

Values (continued)	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1

(2 of 3)

Name	Value

Values (continued)	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS3 Source (/VTS Map)

(3 of 3)

Table 14-101 vts4Source

Name	Value
Description	tnVtsPortVts4Source -Indicates the 'port connected to' from Virtual Time Slot 4 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3

(1 of 3)

Name	Value

Values (continued)	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9

(2 of 3)

Name	Value

Values (continued)	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS4 Source (/VTS Map)

(3 of 3)

Table 14-102 vts5Source

Name	Value
Description	tnVtsPortVts5Source - Indicates the 'port connected to' from Virtual Time Slot 5 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1

(1 of 3)

Name	Value

Values (continued)	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7

(2 of 3)

Name	Value

Values (continued)	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS5 Source (/VTS Map)

(3 of 3)

Table 14-103 vts6Source

Name	Value
Description	tnVtsPortVts6Source - Indicates the 'port connected to' from Virtual Time Slot 6 of 11DPE12 Line Port.
Type	Enum

(1 of 3)

Name	Value

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3
	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5

(2 of 3)

Name	Value

Values (continued)	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS6 Source (/VTS Map)

(3 of 3)

Table 14-104 vts7Source

Name	Value
Description	tnVtsPortVts7Source - Indicates the 'port connected to' from Virtual Time Slot 7 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3

(1 of 2)

Name	Value

Values (continued)	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS7 Source (/VTS Map)

(2 of 2)

Table 14-105 vts8Source

Name	Value
Description	tnVtsPortVts8Source - Indicates the 'port connected to' from Virtual Time Slot 8 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3

(1 of 2)

Name	Value

Values (continued)	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS8 Source (/VTS Map)

(2 of 2)

Table 14-106 vts9Source

Name	Value
Description	tnVtsPortVts9Source - Indicates the 'port connected to' from Virtual Time Slot 9 of 11DPE12 Line Port.
Type	Enum

Values	• none
	  • value: 1
	  • displayed: None
	• c1
	  • value: 2
	  • displayed: C1
	• c2
	  • value: 3
	  • displayed: C2
	• c3
	  • value: 4
	  • displayed: C3
	• c4
	  • value: 5
	  • displayed: C4
	• c5
	  • value: 6
	  • displayed: C5
	• c6
	  • value: 7
	  • displayed: C6
	• c7
	  • value: 8
	  • displayed: C7
	• c8
	  • value: 9
	  • displayed: C8
	• c9
	  • value: 10
	  • displayed: C9
	• c10
	  • value: 11
	  • displayed: C10
	• c11
	  • value: 12
	  • displayed: C11
	• c12
	  • value: 13
	  • displayed: C12
	• l1slot1
	  • value: 14
	  • displayed: L1-1
	• l1slot2
	  • value: 15
	  • displayed: L1-2
	• l1slot3
	  • value: 16
	  • displayed: L1-3

(1 of 2)

Name	Value

Values (continued)	• l1slot4
	  • value: 17
	  • displayed: L1-4
	• l1slot5
	  • value: 18
	  • displayed: L1-5
	• l1slot6
	  • value: 19
	  • displayed: L1-6
	• l1slot7
	  • value: 20
	  • displayed: L1-7
	• l1slot8
	  • value: 21
	  • displayed: L1-8
	• l1slot9
	  • value: 22
	  • displayed: L1-9
	• l1slot10
	  • value: 23
	  • displayed: L1-10
	• l2slot1
	  • value: 24
	  • displayed: L2-1
	• l2slot2
	  • value: 25
	  • displayed: L2-2
	• l2slot3
	  • value: 26
	  • displayed: L2-3
	• l2slot4
	  • value: 27
	  • displayed: L2-4
	• l2slot5
	  • value: 28
	  • displayed: L2-5
	• l2slot6
	  • value: 29
	  • displayed: L2-6
	• l2slot7
	  • value: 30
	  • displayed: L2-7
	• l2slot8
	  • value: 31
	  • displayed: L2-8
	• l2slot9
	  • value: 32
	  • displayed: L2-9
	• l2slot10
	  • value: 33
	  • displayed: L2-10

Default	none
Displayed name	VTS9 Source (/VTS Map)

(2 of 2)

Table 14-107 wkPortChPowerDeviationIn

Name	Value
Description	tnWaveKeyPortDefaultPowerDeviationIn. EPT - Default Deviation In.
Type	Float
Minimum	0
Maximum	10
Units	dB
Displayed name	Per-channel Input Power Deviation (/Power)

Table 14-108 wkPortChPowerDeviationOut

Name	Value
Description	tnWaveKeyPortDefaultPowerDeviationOut. EPT - Default Deviation Out.
Type	Float
Minimum	0
Maximum	10
Units	dB
Displayed name	Per-channel Output Power Deviation (/Power)

Table 14-109 wkPortChannelEgressPower

Name	Value
Description	tnWaveKeyPortCommonEgressPower - Common Egress Power. This is the per channel default egress power.
Type	Float
Minimum	-30
Maximum	11
Units	dBm
Displayed name	Per-Channel Output Power (/Power)

Table 14-110 wkPortChannelIngressPower

Name	Value
Description	tnWaveKeyPortCommonIngressPower - Common Ingress Power. This is the per channel default ingress power.
Type	Float

(1 of 2)

Name	Value
Minimum	-30
Maximum	11
Units	dBm
Displayed name	Per-Channel Input Power (/Power)

(2 of 2)

15 — OpticalShelfSpecifics

Table 15-1 OpticalShelfSpecifics parameters

Parameters	
inhibitAutoSwitching lampTest shelfActivitySwitch	statusLEDColor statusLEDState wtMode

Table 15-2 inhibitAutoSwitching

Name	Value
Description	tnShelfInhibitAutoSwitching. Applicable to the 1830 PSS-32.
Type	boolean
Displayed name	Inhibit Autoswitching (ShelfSpecifics/Shelf Specifics)

Table 15-3 lampTest

Name	Value
Description	Perform a lamp test on the shelf.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd

(1 of 2)

Name	Value

Values (continued)	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Displayed name	Perform LED Test (ShelfSpecifics/Shelf Specifics)

(2 of 2)

Table 15-4 shelfActivitySwitch

Name	Value
Description	Perform an activity switch on this shelf. When read, this object returns noCmd.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Default	noCmd
Displayed name	Protection Switch (ShelfSpecifics/Shelf Specifics)

Table 15-5 statusLEDColor

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

Values	• unknown
	  • value: 1
	  • displayed: Unknown
	• off
	  • value: 2
	  • displayed: Off
	• red
	  • value: 3
	  • displayed: Red

(1 of 2)

Name	Value

Values (continued)	• green
	  • value: 4
	  • displayed: Green
	• orange
	  • value: 5
	  • displayed: Orange

(2 of 2)

Table 15-6 statusLEDState

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

Values	• unknown
	  • value: 1
	  • displayed: Unknown
	• solid
	  • value: 2
	  • displayed: Solid
	• fastBlink
	  • value: 3
	  • displayed: Fast Blink
	• slowBlink
	  • value: 4
	  • displayed: Slow Blink

Table 15-7 wtMode

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

16 — OTCrossConnect

Table 16-1 OTCrossConnect parameters

Parameters	
shelfId slotId	vtsLine vtsNumber

Table 16-2 shelfId

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

Table 16-3 slotId

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

Table 16-4 vtsLine

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

Table 16-5 vtsNumber

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

17 — ServicePathBinding

Table 17-1 pathId

Name	Value
Description	Same as the pathId of the ServicePath
Type	Integer
Access	read-create
Default	0
Minimum	1

18 — ServicePath

Table 18-1 ServicePath parameters

Parameters	
biDirectional pathId	serviceMode weight

Table 18-2 biDirectional

Name	Value
Description	true/false
Type	boolean
Access	read-create
Mandatory on create	Yes
Displayed name	Bi Directional

Table 18-3 pathId

Name	Value
Type	Integer
Access	read-create
Default	0

(1 of 2)

Name	Value
Minimum	1
Displayed name	ID

(2 of 2)

Table 18-4 serviceMode

Name	Value
Description	unprotected/working/protection
Type	Enum

Values	• unprotected
	  • value: 1
	• working
	  • value: 2
	• protection
	  • value: 3

Access	read-create
Mandatory on create	Yes
Displayed name	Protection Configuration

Table 18-5 weight

Name	Value
Description	Indicates number of hops.
Type	Integer
Access	read-create
Mandatory on create	Yes
Displayed name	Weight

19 — ServiceSite

Table 19-1 ServiceSite parameters

Parameters	
siteId	sitePosition

Table 19-2 siteId

Name	Value
Type	InetAddress
Access	read-create
Default	0.0.0.0
Displayed name	System ID

Table 19-3 sitePosition

Name	Value
Description	Indicates if the site is at A end or Z end of the service.
Type	Enum

Values	• from
	  • value: 1
	  • displayed: A End

(1 of 2)

Name	Value

Values (continued)	• to
	  • value: 2
	  • displayed: Z End

Default	from
Displayed name	From/To

(2 of 2)

20 — TCAProfileAssigner

Table 20-1 TCAProfileAssigner parameters

Parameters	
clearBins groupId interval	noOfBins profileId

Table 20-2 clearBins

Name	Value
Description	tnStatsCardClear/tnStatsPortClear - This attribute is used to clear all the bins in an interval on a particular card and group.
Type	Enum

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

Default	1
Displayed name	Clear Bins

Table 20-3 groupId

Name	Value
Description	tnStatsGroupId - The group identifier.
Type	Enum

Values	• ethernet
	  • value: 1
	  • displayed: Ethernet
	• sonet
	  • value: 3
	  • displayed: SONET
	• opticalDcPwrIn
	  • value: 4
	  • displayed: OPIN
	• card
	  • value: 5
	  • displayed: Card
	• opticalDcPwrTx
	  • value: 6
	  • displayed: OPT
	• opticalDcPwrRx
	  • value: 7
	  • displayed: OPR
	• opticalWtPwrOut
	  • value: 8
	  • displayed: OPOCHOUT
	• interface
	  • value: 9
	  • displayed: Interface
	• opticalWtPwrIn
	  • value: 10
	  • displayed: OPOCHIN
	• opticalDcPwrOut
	  • value: 12
	  • displayed: OPOUT
	• dw
	  • value: 13
	  • displayed: Digital Wrapper
	• pcs
	  • value: 20
	  • displayed: Physical Code Sublayer
	• sdh
	  • value: 33
	  • displayed: SDH

Access	read-create
Default	0
Displayed name	Profile Type

Table 20-4 interval

Name	Value
Description	tnStatsInterval - The collection interval.
Type	Enum

Values	• 15minInterval
	  • value: 0
	  • displayed: 15 min Interval
	• 24hrInterval
	  • value: 1
	  • displayed: 24 hour Interval

Access	read-create
Default	0
Displayed name	Interval

Table 20-5 noOfBins

Name	Value
Description	tnStatsCardNumberOfBins/tnStatsPortNumberOfBins - The number of collection bins in the interval.
Type	Integer
Default	1
Minimum	1
Maximum	33
Displayed name	Number of Bins

Table 20-6 profileId

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

21 — TerminationPoint

Table 21-1 TerminationPoint parameters

Parameters	
siteId termPointId	termPointPosition

Table 21-2 siteId

Name	Value
Type	string

Table 21-3 termPointId

Name	Value
Type	Long integer
Access	read-create
Default	0
Minimum	1
Maximum	20

Table 21-4 termPointPosition

Name	Value
Description	Indicates if the termination point is at the A End Site of hte service or Z End Site of the service.
Type	Enum

Values	• a1z1
	  • value: 1
	  • displayed: Working
	• a2z2
	  • value: 2
	  • displayed: Protection

Default	a1z1

22 — TrailBinding

Table 22-1 TrailBinding parameters

Parameters	
reverseTraversal trailId	trailOrder

Table 22-2 reverseTraversal

Name	Value
Description	true if the A and Z ends of this trail are in Z->A path of the service path.
Type	boolean
Default	false

Table 22-3 trailId

Name	Value
Type	Integer
Access	read-create
Default	0
Minimum	1

Table 22-4 trailOrder

Name	Value
Description	Order of the trail in the service path.
Type	Integer
Default	0

23 — Trail

Table 23-1 Trail parameters

Parameters	
biDirectional	trailId

Table 23-2 biDirectional

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

Table 23-3 trailId

Name	Value
Type	Integer
Access	read-create
Default	0
Minimum	1
Displayed name	ID

24 — TransportService

Table 24-1 TransportService parameters

Parameters	
administrativeState	vtsConnDestIfIndex
aEndVtsNumber	vtsConnDestVts
description	vtsConnName
direction	vtsConnSrcIfIndex
displayedName	vtsConnSrcVts
id	vtsExcessBurstRate
isCreateDiverseFromExisting	vtsExcessInfoRate
protection	vtsMapCEVLANID
rate	vtsMapIfIndex
vtsCommittedBurstRate	vtsMapVts
vtsCommittedInfoRate	wavekeyAssignMode
vtsConnAdminState	zEndVtsNumber

Table 24-2 aEndVtsNumber

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

Values	• vts1
	  • value: 1
	  • displayed: 1

(1 of 2)

Name	Value

Values (continued)	• vts2
	  • value: 2
	  • displayed: 2
	• vts3
	  • value: 3
	  • displayed: 3
	• vts4
	  • value: 4
	  • displayed: 4
	• vts5
	  • value: 5
	  • displayed: 5
	• vts6
	  • value: 6
	  • displayed: 6
	• vts7
	  • value: 7
	  • displayed: 7
	• vts8
	  • value: 8
	  • displayed: 8
	• vts9
	  • value: 9
	  • displayed: 9
	• vts10
	  • value: 10
	  • displayed: 10

Access	read-create
Default	1
Displayed name	VTS Number(Endpoint A) (/Client Port Vitual Time Slot)

(2 of 2)

Table 24-3 administrativeState

Name	Value
Description	Aggregate state depending on the the administrative state of OT ports and of XCs . By default keep the Admin State as out of service. Let user bring up the service after creation.
Type	Enum

Values	• noop
	  • value: 1
	  • displayed: Unknown
	  • not selectable
	• portNoop
	  • value: 1
	  • displayed: Unknown
	  • not selectable

	•

(1 of 2)

Name	Value

Values (continued)	• inService
	  • value: 2
	  • displayed: Up
	• portInService
	  • value: 2
	  • displayed: Up
	• outOfService
	  • value: 3
	  • displayed: Down
	• portOutOfService
	  • value: 3
	  • displayed: Down
	• diagnose
	  • value: 4
	  • displayed: Diagnose
	  • not selectable
	• portDiagnose
	  • value: 4
	  • displayed: Diagnose
	  • not selectable
	• operateSwitch
	  • value: 5
	  • displayed: Operate Switch
	  • not selectable
	• shuttingDown
	  • value: 6
	  • displayed: Shutting Down
	  • not selectable
	• notRelevant
	  • value: 7
	  • displayed: Not Relevant
	  • not selectable
	• unlocked
	  • value: 8
	  • displayed: Unlocked
	  • not selectable
	• locked
	  • value: 10
	  • displayed: Locked
	  • not selectable
	• maintenance
	  • value: 11
	  • displayed: Maintenance

Default	portOutOfService
Displayed name	Administrative State (/States)

(2 of 2)

Table 24-4 description

Name	Value
Description	Description of the Transport Service.
Type	string
Minimum	0
Maximum	80
Displayed name	Description

Table 24-5 direction

Name	Value
Description	Indicates if the service is Uni or Bi Directional.
Type	Enum

Values	• bi
	  • value: 1
	  • displayed: Bidirectional

Default	bi
Displayed name	Direction

Table 24-6 displayedName

Name	Value
Description	Displayed Name of the Transport Service.
Type	string
Minimum	0
Maximum	32
Displayed name	Service Name

Table 24-7 id

Name	Value
Description	SAM specific id.
Type	Long integer
Access	read-create
Default	0
Minimum	1

(1 of 2)

Name	Value
Maximum	1000000999999
Displayed name	SVC Mgr Service ID

(2 of 2)

Table 24-8 isCreateDiverseFromExisting

Name	Value
Description	Needs to be set , while creating a diverse routed service, using two existing unprotected services.
Type	boolean
Default	false
Displayed name	Use Existing Unprotected Services

Table 24-9 protection

Name	Value
Description	Protection Type of the Service
Type	Enum

Values	• unprotected
	  • value: 1
	  • displayed: Unprotected
	• diverseRoute
	  • value: 2
	  • displayed: Diverse Route
	• esncp
	  • value: 3
	  • displayed: ESNCP Protected
	  • not selectable
	• ops
	  • value: 4
	  • displayed: OPS Protected
	  • not selectable
	• ycable
	  • value: 5
	  • displayed: Y-Cable Protected
	  • not selectable

Default	unprotected
Displayed name	Protection Type

Table 24-10 rate

Name	Value
Description	Service Rate - Indicates the rate of the termination points.
Type	Enum

Values	• unassigned
	  • value: 1
	  • displayed: Unassigned
	• default
	  • value: 2
	  • displayed: Default
	• unknown
	  • value: 3
	  • displayed: Unknown
	• oc3
	  • value: 4
	  • displayed: OC3
	• oc12
	  • value: 5
	  • displayed: OC12
	• oc48
	  • value: 6
	  • displayed: OC48
	• oc192
	  • value: 7
	  • displayed: OC192
	• ots
	  • value: 8
	  • displayed: OTS
	• och
	  • value: 9
	  • displayed: OCH
	• otu1
	  • value: 10
	  • displayed: OTU1
	• otu2
	  • value: 11
	  • displayed: OTU2
	• gige
	  • value: 12
	  • displayed: 1GbE
	• tenGige
	  • value: 13
	  • displayed: 10GbE
	• stm1
	  • value: 14
	  • displayed: STM1
	• stm4
	  • value: 15
	  • displayed: STM4
	• stm16
	  • value: 16
	  • displayed: STM16

(1 of 3)

Name	Value

Values (continued)	• stm64
	  • value: 17
	  • displayed: STM64
	• fc1g
	  • value: 18
	  • displayed: FC100
	• fc2g
	  • value: 19
	  • displayed: FC200
	• fc4g
	  • value: 20
	  • displayed: FC400
	• fc10g
	  • value: 21
	  • displayed: FC10G
	• cbr2g5
	  • value: 22
	  • displayed: CBR2G5
	• cbr10g
	  • value: 23
	  • displayed: CBR10G
	• hdSdi
	  • value: 25
	  • displayed: HDSDI
	• fe
	  • value: 26
	  • displayed: FE
	• fddi
	  • value: 27
	  • displayed: FDDI
	• esCon
	  • value: 28
	  • displayed: ESCON
	• dvbAsi
	  • value: 29
	  • displayed: DVBASI
	• dvi6000
	  • value: 30
	  • displayed: DVI 6000
	• otu3
	  • value: 31
	  • displayed: OTU3
	• oc768
	  • value: 32
	  • displayed: OC768
	• stm256
	  • value: 33
	  • displayed: STM256
	• otu4
	  • value: 34
	  • displayed: OTU4
	• fc8g
	  • value: 35
	  • displayed: FC8G

(2 of 3)

Name	Value

Values (continued)	• hundredGige
	  • value: 36
	  • displayed: 100GbE
	• sdsdi
	  • value: 37
	  • displayed: SDSDI
	• subGigE
	  • value: 39
	  • displayed: SubGigE

Default	unspecified
Displayed name	Rate

(3 of 3)

Table 24-11 vtsCommittedBurstRate

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer
Default	256
Displayed name	Committed Burst Rate (Kbytes) (/VTS Map Details)

Table 24-12 vtsCommittedInfoRate

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer
Default	100
Displayed name	Committed Information Rate (Mbps) (/VTS Map Details)

Table 24-13 vtsConnAdminState

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

Table 24-14 vtsConnDestIfIndex

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

Table 24-15 vtsConnDestVts

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

Table 24-16 vtsConnName

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

Table 24-17 vtsConnSrcIfIndex

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

Table 24-18 vtsConnSrcVts

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

Table 24-19 vtsExcessBurstRate

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer
Default	4096
Displayed name	Excess Burst Rate(Kbytes) (/VTS Map Details)

Table 24-20 vtsExcessInfoRate

Name	Value
Description	Used in 11DPE12 subrate service.
Type	Long integer
Default	1000
Displayed name	Excess Information Rate(Mbps) (/VTS Map Details)

Table 24-21 vtsMapCEVLANID

Name	Value
Description	Used in 11DPE12 subrate service.
Type	string
Displayed name	VTS Map CE-VLANID (/VTS Map Details)

Table 24-22 vtsMapIfIndex

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

Table 24-23 vtsMapVts

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

Table 24-24 wavekeyAssignMode

Name	Value
Description	Indicates the wavekey generation mode for the service.
Type	Enum

Values	• auto
	  • value: 1
	  • displayed: Auto Keying (NE)
	• manual
	  • value: 2
	  • displayed: Manual Keying (NMS)
	• unkey
	  • value: 3
	  • displayed: Unkeyed

Default	auto
Displayed name	Wavekey Assign Mode

Table 24-25 zEndVtsNumber

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

Values	• vts1
	  • value: 1
	  • displayed: 1
	• vts2
	  • value: 2
	  • displayed: 2
	• vts3
	  • value: 3
	  • displayed: 3
	• vts4
	  • value: 4
	  • displayed: 4
	• vts5
	  • value: 5
	  • displayed: 5
	• vts6
	  • value: 6
	  • displayed: 6
	• vts7
	  • value: 7
	  • displayed: 7
	• vts8
	  • value: 8
	  • displayed: 8

(1 of 2)

Name	Value

Values (continued)	• vts9
	  • value: 9
	  • displayed: 9
	• vts10
	  • value: 10
	  • displayed: 10

Access	read-create
Default	1
Displayed name	VTS Number(Endpoint Z) (/Client Port Vitual Time Slot)

(2 of 2)

25 — UnexpectedWtKeyEntry

Table 25-1 UnexpectedWtKeyEntry parameters

Parameters	
channel direction	ifIndex uwtKeyIndex

Table 25-2 channel

Name	Value
Description	The ITU channel.
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)
	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)

(1 of 12)

Name	Value

Values (continued)	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)
	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)

(2 of 12)

Name	Value

Values (continued)	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)
	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)

(3 of 12)

Name	Value

Values (continued)	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)
	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)

(4 of 12)

Name	Value

Values (continued)	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)
	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)

(5 of 12)

Name	Value

Values (continued)	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)
	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)

(6 of 12)

Name	Value

Values (continued)	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)
	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)

(7 of 12)

Name	Value

Values (continued)	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)
	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)

(8 of 12)

Name	Value

Values (continued)	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)
	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)

(9 of 12)

Name	Value

Values (continued)	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)
	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)

(10 of 12)

Name	Value

Values (continued)	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)
	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)

(11 of 12)

Name	Value

Values (continued)	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Access	read-create
Mandatory on create	Yes
Displayed name	Frequency

(12 of 12)

Table 25-3 direction

Name	Value
Description	The signal direction.
Type	Enum

Values	• out
	  • value: 1
	  • displayed: Out
	• in
	  • value: 2
	  • displayed: In

Access	read-create
Mandatory on create	Yes
Displayed name	Direction

Table 25-4 ifIndex

Name	Value
Type	Long integer
Access	read-create
Mandatory on create	Yes

Table 25-5 uwtKeyIndex

Name	Value
Description	tnUnexpectedWtKeyIndex - An arbitrary id given to each of the unexpected Wave Keys.
Type	Long integer
Access	read-create
Mandatory on create	Yes

26 — VtsConnection

Table 26-1 VtsConnection parameters

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

Table 26-2 cardSlotId

Name	Value
Type	Integer

Table 26-3 ipv4AddrType

Name	Value
Description	used to define the ip addr type field
Type	Enum

(1 of 2)

Name	Value

Values	• unknown
	  • value: 0
	  • displayed: Unknown
	  • not selectable
	• ipv4
	  • value: 1
	  • displayed: IPv4
	• ipv6
	  • value: 2
	  • displayed: IPv6
	• ipv4z
	  • value: 3
	  • displayed: IPv4z
	  • not selectable
	• ipv6z
	  • value: 4
	  • displayed: IPv6z
	• dns
	  • value: 16
	  • displayed: DNS
	  • not selectable
	• ipv4Mcast
	  • value: 128
	  • displayed: IPv4 Multicast
	  • not selectable
	• ipv6Mcast
	  • value: 129
	  • displayed: IPv6 Multicast
	  • not selectable

Default	ipv4

(2 of 2)

Table 26-4 shelfId

Name	Value
Type	Integer

Table 26-5 siteId

Name	Value
Type	string

Table 26-6 vtsCommittedBurstRate

Name	Value
Description	tnVtsConnCBS - The CBS value of the VTS connection. Current configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbyte).
Type	Long integer
Default	256
Displayed name	Committed Burst Rate(Kbps) (/Subrate VTS Connection Details)

Table 26-7 vtsCommittedInfoRate

Name	Value
Description	tnVtsConnCIR - The CIR value of the VTS connection granularity of 100mbps. Current configurable range: 0 to 1000 (mbps).
Type	Long integer
Default	100
Displayed name	Committed Information Rate(Mbps) (/Subrate VTS Connection Details)

Table 26-8 vtsConnAdminState

Name	Value
Description	tnVtsConnAdminState - The administrative state of the connection.
Type	Integer
Default	2
Minimum	1
Maximum	2

Table 26-9 vtsConnBidirectional

Name	Value
Description	tnVtsConnBidirectional - An indication as to whether or not this connection is bidirectional or unidirectional.
Type	Enum

Values	• BiDirectional
	  • value: 1
	  • displayed: Bidirectional

(1 of 2)

Name	Value

Values (continued)	• UniDirectional
	  • value: 2
	  • displayed: Unidirectional

Default	BiDirectional

(2 of 2)

Table 26-10 vtsConnDestIfIndex

Name	Value
Description	tnVtsConnDestIfIndex - The ifIndex of the VTS connection destination.
Type	Long integer
Displayed name	VTS Connection Destination Index (/VTS Connection Details)

Table 26-11 vtsConnDestVts

Name	Value
Description	tnVtsConnDestVts - The VTS number of the connection destination. line: 1 to 32 client: 1 to 10.
Type	Long integer
Displayed name	Destination Vts Number (/VTS Connection Details)

Table 26-12 vtsConnName

Name	Value
Description	tnVtsConnName - The description of the VTS connection.
Type	string
Displayed name	VTS Connection Name (/VTS Connection Details)

Table 26-13 vtsConnSrcIfIndex

Name	Value
Description	tnVtsConnSrcIfIndex - The ifIndex of the VTS connection source.
Type	Long integer
Displayed name	VTS Connection Source Index (/VTS Connection Details)

Table 26-14 vtsConnSrcVts

Name	Value
Description	tnVtsConnSrcVts - The VTS number of the connection source. line: 1 to 32 client: 1 to 10.
Type	Long integer
Displayed name	Source Vts Number (/VTS Connection Details)

Table 26-15 vtsExcessBurstRate

Name	Value
Description	tnVtsConnEBS - The EBS value of the VTS connection. Current configurable values: 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384 (Kbyte).
Type	Long integer
Default	4096
Displayed name	Excess Burst Rate(Kbps) (/Subrate VTS Connection Details)

Table 26-16 vtsExcessInfoRate

Name	Value
Description	tnVtsConnEIR - The EIR value of the VTS connection granularity of 100mbps. Current configurable range: 0 to 1000 (mbps)
Type	Long integer
Default	1000
Displayed name	Excess Information Rate(Mbps) (/Subrate VTS Connection Details)

27 — VtsMap

Table 27-1 VtsMap parameters

Parameters	
vtsMapCEVLANID vtsMapIfIndex	vtsMapVts

Table 27-2 vtsMapCEVLANID

Name	Value
Description	tnVtsMapCEVLANID - CEVLANID string indicates the VLANID or VLANID ranges, separated by comma. Example: 1,5,1-100. Current configurable range: 1 to 4095, ALL.
Type	string
Displayed name	VTS1 CE-VLAN ID (/VTS Map Details)

Table 27-3 vtsMapIfIndex

Name	Value
Description	tnVtsMapIfIndex - The ifIndex of the VTS Map Table.
Type	Long integer
Displayed name	VTS Map IfIndex

Table 27-4 vtsMapVts

Name	Value
Description	tnVtsMapVts - The VTS number of VTS Map Table. Value range: 1 to 10.
Type	Long integer
Minimum	0
Maximum	10
Displayed name	VTS Map Number

28 — WaveTrackerKeyDecodeEntry

Table 28-1 ifIndex

Name	Value
Description	SnmpPortId of the Port.
Type	Long integer
Access	read-create
Mandatory on create	Yes

29 — WaveTrackerKeyEntry

Table 29-1 WaveTrackerKeyEntry parameters

Parameters	
channel direction ifIndex wtkExpectedPower wtkExpectedPowerDeviation	wtkExpectedPowerTolerance wtkExpectedWk1 wtkExpectedWk2 wtkSynchronizePower

Table 29-2 channel

Name	Value
Description	tnChannel - The ITU channel.
Type	Enum

Values	• unAssigned
	  • value: 0
	  • displayed: None
	• 1471
	  • value: 1
	  • displayed: 1471 (1471 nm)
	• 1491
	  • value: 2
	  • displayed: 1491 (1491 nm)
	• 1511
	  • value: 3
	  • displayed: 1511 (1511 nm)

(1 of 12)

Name	Value

Values (continued)	• 1531
	  • value: 4
	  • displayed: 1531 (1531 nm)
	• 1551
	  • value: 5
	  • displayed: 1551 (1551 nm)
	• 1571
	  • value: 6
	  • displayed: 1571 (1571 nm)
	• 1591
	  • value: 7
	  • displayed: 1591 (1591 nm)
	• 1611
	  • value: 8
	  • displayed: 1611 (1611 nm)
	• 9170
	  • value: 17
	  • displayed: 9170 (1563.86 nm)
	• 9180
	  • value: 18
	  • displayed: 9180 (1563.05 nm)
	• 9190
	  • value: 19
	  • displayed: 9190 (1562.23 nm)
	• 9200
	  • value: 20
	  • displayed: 9200 (1561.42 nm)
	• 9210
	  • value: 21
	  • displayed: 9210 (1560.61 nm)
	• 9220
	  • value: 22
	  • displayed: 9220 (1559.79 nm)
	• 9230
	  • value: 23
	  • displayed: 9230 (1558.98 nm)
	• 9240
	  • value: 24
	  • displayed: 9240 (1558.17 nm)
	• 9250
	  • value: 25
	  • displayed: 9250 (1557.36 nm)
	• 9260
	  • value: 26
	  • displayed: 9260 (1556.56 nm)
	• 9270
	  • value: 27
	  • displayed: 9270 (1555.75 nm)
	• 9280
	  • value: 28
	  • displayed: 9280 (1554.94 nm)
	• 9290
	  • value: 29
	  • displayed: 9290 (1554.13 nm)

(2 of 12)

Name	Value

Values (continued)	• 9300
	  • value: 30
	  • displayed: 9300 (1553.33 nm)
	• 9310
	  • value: 31
	  • displayed: 9310 (1552.52 nm)
	• 9320
	  • value: 32
	  • displayed: 9320 (1551.72 nm)
	• 9330
	  • value: 33
	  • displayed: 9330 (1550.92 nm)
	• 9340
	  • value: 34
	  • displayed: 9340 (1550.12 nm)
	• 9350
	  • value: 35
	  • displayed: 9350 (1549.32 nm)
	• 9360
	  • value: 36
	  • displayed: 9360 (1548.52 nm)
	• 9370
	  • value: 37
	  • displayed: 9370 (1547.72 nm)
	• 9380
	  • value: 38
	  • displayed: 9380 (1546.92 nm)
	• 9390
	  • value: 39
	  • displayed: 9390 (1546.12 nm)
	• 9400
	  • value: 40
	  • displayed: 9400 (1545.32 nm)
	• 9410
	  • value: 41
	  • displayed: 9410 (1544.53 nm)
	• 9420
	  • value: 42
	  • displayed: 9420 (1543.73 nm)
	• 9430
	  • value: 43
	  • displayed: 9430 (1542.94 nm)
	• 9440
	  • value: 44
	  • displayed: 9440 (1542.14 nm)
	• 9450
	  • value: 45
	  • displayed: 9450 (1541.35 nm)
	• 9460
	  • value: 46
	  • displayed: 9460 (1540.56 nm)
	• 9470
	  • value: 47
	  • displayed: 9470 (1539.77 nm)

(3 of 12)

Name	Value

Values (continued)	• 9480
	  • value: 48
	  • displayed: 9480 (1538.98 nm)
	• 9490
	  • value: 49
	  • displayed: 9490 (1538.19 nm)
	• 9500
	  • value: 50
	  • displayed: 9500 (1537.40 nm)
	• 9510
	  • value: 51
	  • displayed: 9510 (1536.61 nm)
	• 9520
	  • value: 52
	  • displayed: 9520 (1535.82 nm)
	• 9530
	  • value: 53
	  • displayed: 9530 (1535.04 nm)
	• 9540
	  • value: 54
	  • displayed: 9540 (1534.25 nm)
	• 9550
	  • value: 55
	  • displayed: 9550 (1533.47 nm)
	• 9560
	  • value: 56
	  • displayed: 9560 (1532.68 nm)
	• 9570
	  • value: 57
	  • displayed: 9570 (1531.90 nm)
	• 9580
	  • value: 58
	  • displayed: 9580 (1531.12 nm)
	• 9590
	  • value: 59
	  • displayed: 9590 (1530.33 nm)
	• 9600
	  • value: 60
	  • displayed: 9600 (1529.55 nm)
	• 8650
	  • value: 65
	  • displayed: 8650 (1607.47 nm)
	• 8660
	  • value: 66
	  • displayed: 8660 (1606.60 nm)
	• 8670
	  • value: 67
	  • displayed: 8670 (1605.74 nm)
	• 8680
	  • value: 68
	  • displayed: 8680 (1604.88 nm)
	• 8690
	  • value: 69
	  • displayed: 8690 (1604.03 nm)

(4 of 12)

Name	Value

Values (continued)	• 8700
	  • value: 70
	  • displayed: 8700 (1603.17 nm)
	• 8710
	  • value: 71
	  • displayed: 8710 (1602.31 nm)
	• 8720
	  • value: 72
	  • displayed: 8720 (1601.46 nm)
	• 8730
	  • value: 73
	  • displayed: 8730 (1600.60 nm)
	• 8740
	  • value: 74
	  • displayed: 8740 (1599.75 nm)
	• 8750
	  • value: 75
	  • displayed: 8750 (1598.89 nm)
	• 8760
	  • value: 76
	  • displayed: 8760 (1598.04 nm)
	• 8770
	  • value: 77
	  • displayed: 8770 (1597.19 nm)
	• 8780
	  • value: 78
	  • displayed: 8780 (1596.34 nm)
	• 8790
	  • value: 79
	  • displayed: 8790 (1595.49 nm)
	• 8800
	  • value: 80
	  • displayed: 8800 (1594.64 nm)
	• 8810
	  • value: 81
	  • displayed: 8810 (1593.79 nm)
	• 8820
	  • value: 82
	  • displayed: 8820 (1592.95 nm)
	• 8830
	  • value: 83
	  • displayed: 8830 (1592.10 nm)
	• 8840
	  • value: 84
	  • displayed: 8840 (1591.26 nm)
	• 8850
	  • value: 85
	  • displayed: 8850 (1590.41 nm)
	• 8860
	  • value: 86
	  • displayed: 8860 (1589.57 nm)
	• 8870
	  • value: 87
	  • displayed: 8870 (1588.73 nm)

(5 of 12)

Name	Value

Values (continued)	• 8880
	  • value: 88
	  • displayed: 8880 (1587.88 nm)
	• 8890
	  • value: 89
	  • displayed: 8890 (1587.04 nm)
	• 8900
	  • value: 90
	  • displayed: 8900 (1586.20 nm)
	• 8910
	  • value: 91
	  • displayed: 8910 (1585.36 nm)
	• 8920
	  • value: 92
	  • displayed: 8920 (1584.53nm)
	• 8930
	  • value: 93
	  • displayed: 8930 (1583.69 nm)
	• 8940
	  • value: 94
	  • displayed: 8940 (1582.85 nm)
	• 8950
	  • value: 95
	  • displayed: 8950 (1582.02 nm)
	• 8960
	  • value: 96
	  • displayed: 8960 (1581.18 nm)
	• 8970
	  • value: 97
	  • displayed: 8970 (1580.35 nm)
	• 8980
	  • value: 98
	  • displayed: 8980 (1579.52 nm)
	• 8990
	  • value: 99
	  • displayed: 8990 (1578.69 nm)
	• 9000
	  • value: 100
	  • displayed: 9000 (1577.86 nm)
	• 9010
	  • value: 101
	  • displayed: 9010 (1577.03 nm)
	• 9020
	  • value: 102
	  • displayed: 9020 (1576.20 nm)
	• 9030
	  • value: 103
	  • displayed: 9030 (1575.37 nm)
	• 9040
	  • value: 104
	  • displayed: 9040 (1574.54 nm)
	• 9050
	  • value: 105
	  • displayed: 9050 (1573.71 nm)

(6 of 12)

Name	Value

Values (continued)	• 9060
	  • value: 106
	  • displayed: 9060 (1572.89 nm)
	• 9070
	  • value: 107
	  • displayed: 9070 (1572.06 nm)
	• 9080
	  • value: 108
	  • displayed: 9080 (1571.24 nm)
	• 850
	  • value: 2000
	  • displayed: 850 (850 nm)
	• 1310
	  • value: 2001
	  • displayed: 1310 (1310 nm)
	• 1550
	  • value: 2002
	  • displayed: 1550 (1550 nm)
	• 1490
	  • value: 2003
	  • displayed: 1490 (1490 nm)
	• 1530
	  • value: 2004
	  • displayed: 1530 (1530 nm)
	• 9175
	  • value: 10017
	  • displayed: 9175 (1563.46 nm)
	• 9185
	  • value: 10018
	  • displayed: 9185 (1562.64 nm)
	• 9195
	  • value: 10019
	  • displayed: 9195 (1561.83 nm)
	• 9205
	  • value: 10020
	  • displayed: 9205 (1561.01 nm)
	• 9215
	  • value: 10021
	  • displayed: 9215 (1560.20 nm)
	• 9225
	  • value: 10022
	  • displayed: 9225 (1559.39 nm)
	• 9235
	  • value: 10023
	  • displayed: 9235 (1558.58 nm)
	• 9245
	  • value: 10024
	  • displayed: 9245 (1557.77 nm)
	• 9255
	  • value: 10025
	  • displayed: 9255 (1556.96 nm)
	• 9265
	  • value: 10026
	  • displayed: 9265 (1556.15 nm)

(7 of 12)

Name	Value

Values (continued)	• 9275
	  • value: 10027
	  • displayed: 9275 (1555.34 nm)
	• 9285
	  • value: 10028
	  • displayed: 9285 (1554.54 nm)
	• 9295
	  • value: 10029
	  • displayed: 9295 (1553.73 nm)
	• 9305
	  • value: 10030
	  • displayed: 9305 (1552.93 nm)
	• 9315
	  • value: 10031
	  • displayed: 9315 (1552.12 nm)
	• 9325
	  • value: 10032
	  • displayed: 9325 (1551.32 nm)
	• 9335
	  • value: 10033
	  • displayed: 9335 (1550.52 nm)
	• 9345
	  • value: 10034
	  • displayed: 9345 (1549.72 nm)
	• 9355
	  • value: 10035
	  • displayed: 9355 (1548.92 nm)
	• 9365
	  • value: 10036
	  • displayed: 9365 (1548.12 nm)
	• 9375
	  • value: 10037
	  • displayed: 9375 (1547.32 nm)
	• 9385
	  • value: 10038
	  • displayed: 9385 (1546.52 nm)
	• 9395
	  • value: 10039
	  • displayed: 9395 (1545.72 nm)
	• 9405
	  • value: 10040
	  • displayed: 9405 (1544.92 nm)
	• 9415
	  • value: 10041
	  • displayed: 9415 (1544.13 nm)
	• 9425
	  • value: 10042
	  • displayed: 9425 (1543.33 nm)
	• 9435
	  • value: 10043
	  • displayed: 9435 (1542.54 nm)
	• 9445
	  • value: 10044
	  • displayed: 9445 (1541.75 nm)

(8 of 12)

Name	Value

Values (continued)	• 9455
	  • value: 10045
	  • displayed: 9455 (1540.95 nm)
	• 9465
	  • value: 10046
	  • displayed: 9465 (1540.16 nm)
	• 9475
	  • value: 10047
	  • displayed: 9475 (1539.37 nm)
	• 9485
	  • value: 10048
	  • displayed: 9485 (1538.58 nm)
	• 9495
	  • value: 10049
	  • displayed: 9495 (1537.79 nm)
	• 9505
	  • value: 10050
	  • displayed: 9505 (1537.00 nm)
	• 9515
	  • value: 10051
	  • displayed: 9515 (1536.22 nm)
	• 9525
	  • value: 10052
	  • displayed: 9525 (1535.43 nm)
	• 9535
	  • value: 10053
	  • displayed: 9535 (1534.64 nm)
	• 9545
	  • value: 10054
	  • displayed: 9545 (1533.86 nm)
	• 9555
	  • value: 10055
	  • displayed: 9555 (1533.07 nm)
	• 9565
	  • value: 10056
	  • displayed: 9565 (1532.29 nm)
	• 9575
	  • value: 10057
	  • displayed: 9575 (1531.51 nm)
	• 9585
	  • value: 10058
	  • displayed: 9585 (1530.73 nm)
	• 9595
	  • value: 10059
	  • displayed: 9595 (1529.94 nm)
	• 9605
	  • value: 10060
	  • displayed: 9605 (1529.16 nm)
	• 8655
	  • value: 10065
	  • displayed: 8655 (1607.04 nm)
	• 8665
	  • value: 10066
	  • displayed: 8665 (1606.17 nm)

(9 of 12)

Name	Value

Values (continued)	• 8675
	  • value: 10067
	  • displayed: 8675 (1605.31 nm)
	• 8685
	  • value: 10068
	  • displayed: 8685 (1604.46 nm)
	• 8695
	  • value: 10069
	  • displayed: 8695 (1603.60 nm)
	• 8705
	  • value: 10070
	  • displayed: 8705 (1602.74 nm)
	• 8715
	  • value: 10071
	  • displayed: 8715 (1601.88 nm)
	• 8725
	  • value: 10072
	  • displayed: 8725 (1601.03 nm)
	• 8735
	  • value: 10073
	  • displayed: 8735 (1600.17 nm)
	• 8745
	  • value: 10074
	  • displayed: 8745 (1599.32 nm)
	• 8755
	  • value: 10075
	  • displayed: 8755 (1598.47 nm)
	• 8765
	  • value: 10076
	  • displayed: 8765 (1597.62 nm)
	• 8775
	  • value: 10077
	  • displayed: 8775 (1596.76 nm)
	• 8785
	  • value: 10078
	  • displayed: 8785 (1595.91 nm)
	• 8795
	  • value: 10079
	  • displayed: 8795 (1595.06 nm)
	• 8805
	  • value: 10080
	  • displayed: 8805 (1594.22 nm)
	• 8815
	  • value: 10081
	  • displayed: 8815 (1593.37 nm)
	• 8825
	  • value: 10082
	  • displayed: 8825 (1592.52 nm)
	• 8835
	  • value: 10083
	  • displayed: 8835 (1591.68 nm)
	• 8845
	  • value: 10084
	  • displayed: 8845 (1590.83 nm)

(10 of 12)

Name	Value

Values (continued)	• 8855
	  • value: 10085
	  • displayed: 8855 (1589.99 nm)
	• 8865
	  • value: 10086
	  • displayed: 8865 (1589.15 nm)
	• 8875
	  • value: 10087
	  • displayed: 8875 (1588.30 nm)
	• 8885
	  • value: 10088
	  • displayed: 8885 (1587.46 nm)
	• 8895
	  • value: 10089
	  • displayed: 8895 (1586.62 nm)
	• 8905
	  • value: 10090
	  • displayed: 8905 (1585.78 nm)
	• 8915
	  • value: 10091
	  • displayed: 8915 (1584.95 nm)
	• 8925
	  • value: 10092
	  • displayed: 8925 (1584.11 nm)
	• 8935
	  • value: 10093
	  • displayed: 8935 (1583.27 nm)
	• 8945
	  • value: 10094
	  • displayed: 8945 (1582.44 nm)
	• 8955
	  • value: 10095
	  • displayed: 8955 (1581.60 nm)
	• 8965
	  • value: 10096
	  • displayed: 8965 (1580.77 nm)
	• 8975
	  • value: 10097
	  • displayed: 8975 (1579.93 nm)
	• 8985
	  • value: 10098
	  • displayed: 8985 (1579.10 nm)
	• 8995
	  • value: 10099
	  • displayed: 8995 (1578.27 nm)
	• 9005
	  • value: 10100
	  • displayed: 9005 (1577.44 nm)
	• 9015
	  • value: 10101
	  • displayed: 9015 (1576.61 nm)
	• 9025
	  • value: 10102
	  • displayed: 9025 (1575.78 nm)

(11 of 12)

Name	Value

Values (continued)	• 9035
	  • value: 10103
	  • displayed: 9035 (1574.95 nm)
	• 9045
	  • value: 10104
	  • displayed: 9045 (1574.13 nm)
	• 9055
	  • value: 10105
	  • displayed: 9055 (1573.30 nm)
	• 9065
	  • value: 10106
	  • displayed: 9065 (1572.48 nm)
	• 9075
	  • value: 10107
	  • displayed: 9075 (1571.65 nm)
	• 9085
	  • value: 10108
	  • displayed: 9085 (1570.83 nm)

Access	read-create
Mandatory on create	Yes
Displayed name	Frequency

(12 of 12)

Table 29-3 direction

Name	Value
Description	tnDirection - The signal direction.
Type	Enum

Values	• out
	  • value: 1
	  • displayed: Out
	• in
	  • value: 2
	  • displayed: In

Access	read-create
Mandatory on create	Yes
Displayed name	Direction

Table 29-4 ifIndex

Name	Value
Description	SnmpPortId of the Port.
Type	Long integer

(1 of 2)

Name	Value
Access	read-create
Mandatory on create	Yes

(2 of 2)

Table 29-5 wtkExpectedPower

Name	Value
Description	tnWtKeyExpectedPower - 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.
Type	Float
Minimum	-99
Maximum	11
Units	dBm
Displayed name	Expected Power

Table 29-6 wtkExpectedPowerDeviation

Name	Value
Description	tnWtKeyExpectedPowerDev - The allowed deviation of the expected power, expressed in units of mB. Current configurable range: 0 to 10.00.
Type	Float
Minimum	0
Maximum	10
Units	dB
Displayed name	Expected Power Deviation

Table 29-7 wtkExpectedPowerTolerance

Name	Value
Description	tnWtKeyExpectedPowerTol - The allowed tolerance of the expected power, expressed in units of mB. Current configurable range: 0 to 5.00.
Type	Float
Minimum	0
Maximum	5
Units	dB
Displayed name	Expected Power Tolerance

Table 29-8 wtkExpectedWk1

Name	Value
Description	tnWtKeyExpectedWK1 - 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.
Type	Long integer
Default	0
Minimum	0
Maximum	4096
Displayed name	Wave Key 1

Table 29-9 wtkExpectedWk2

Name	Value
Description	tnWtKeyExpectedWK2 - 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.
Type	Long integer
Default	0
Minimum	0
Maximum	4096
Displayed name	Wave Key 2

Table 29-10 wtkSynchronizePower

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

Values	• noCmd
	  • value: 1
	  • displayed: No Cmd
	• execute
	  • value: 2
	  • displayed: Execute
	• executeWithForce
	  • value: 3
	  • displayed: Execute with Force

30 — YLink

Table 30-1 YLink parameters

Parameters	
displayedName	linkId

Table 30-2 displayedName

Name	Value
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.
Type	string
Minimum	1
Maximum	32
Displayed name	Name

Table 30-3 linkId

Name	Value
Type	Long integer
Default	0
Minimum	1

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

© 2011 Alcatel-Lucent. All rights reserved.

3HE 06512 AAAA TQZZA Edition 01