



Release Notes for Cisco ONS 15800/15801 Release 2.0.3

June 2003



Note

You can find the most current Cisco ONS 15800/15801 documentation on Cisco.com. These electronic documents may contain updates and modifications made after the hard copy documents were printed.

These release notes for the Cisco ONS 15800/15801 support Release 2.0, up to and including maintenance Release 2.0.3. These release notes are updated to describe new hardware and software features, caveats, special instructions, limitations and restrictions, and changes to related documents.

For a list of software caveats that apply to Release 2.0.3, see the [“Software Caveats” section on page 17](#). The caveats are updated for every maintenance release.

Use these release notes with the Cisco ONS 15800/15801 documentation located on Cisco.com and the Documentation CD-ROM.

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New Features

This section provides a description of the new features found in Cisco ONS 15800/15801 Release 2.0.x.

New Hardware Features in Release 2.0.3

No new hardware features have been implemented in Cisco ONS 15800/15801 Release 2.0.3.

New Hardware Features in Release 2.0.2

No new hardware features have been implemented in Cisco ONS 15800/15801 Release 2.0.2.

New Hardware Features in Release 2.0.1

No new hardware features have been implemented in Cisco ONS 15800/15801 Release 2.0.1.

New Hardware Features in Release 2.0.0

The following new hardware features were implemented in Cisco 15800/15801 Release 2.0.0.

Multi-Bay Management

Previous releases had a limitation on the number of network element (NE) bays that could be addressed. ONS 15800/15801 Release 2.0.0 implements a new architecture on a master/slave structure that allows supervision of a site as a single NE.

Optical Channels Protection

ONS 15800/15801 Release 2.0.0 introduces the optical switching unit (OSU-W) module which is capable of performing 1+1 optical channel protection. The OSU-W module protects the client signal from failures within the optical transport domain (including the WCM transponder modules).

The OSU-W module is managed within the optical domain and all the information for the module is available and manageable by the element management system (EMS) for general supervision activity and by the local craft interface (LCI) in terms of maintenance activity.

New CMP Module

A new control and monitoring processor (CMP-W-2E) module is introduced in the ONS 15800/15801 Release 2.0.0. The CMP-W-2E module provides two Ethernet ports that support multi-bay management, and has an expanded RAM capacity of 128 MB.

Amplifier Power Provisioning

In order to achieve a seamless channel upgrade, the ONS 15800/15801 Release 2.0.0 enables adjustment of the amplifier power level when the channel count is modified. The goal of the amplifier power provisioning (APP) process is controlling the power per channel, while considering the following constraints:

- The power per channel in the line fiber must be maintained in a fixed range.
- The power per channel in the fiber depends on the amplifier output power and on the tolerance of any insertion loss between the amplifier output and the fiber.
- The optical amplifier modules are able to maintain a constant power level per channel working on the total output power level.

Compliance Issues for ONS 15801 Systems

ONS 15801 Release 2.0.0 guarantees the compliance with the IEC60950 standard for electrical safety aspects. The only exceptions to the IEC60950 compliance within the ONS 15801 system are the RACK-TOP-UNIT and the EOI-W module that are CE mark compliant.

New Software Features in Release 2.0.3

No new software features have been implemented in Cisco ONS 15800/15801 Release 2.0.1.

New Software Features in Release 2.0.2

The following new software features were implemented in Cisco ONS 15800/15801 Release 2.0.2.

Compatibility Checking

ONS 15800/15801 Release 2.0.2 provides a consistent compatibility checking feature that makes network troubleshooting and upgrading activities easier.

New Software Features in Release 2.0.1

No new software features have been implemented in Cisco ONS 15800/15801 Release 2.0.1.

New Software Features in Release 2.0.0

This section is a high-level overview of the new software features of Cisco ONS 15800/15801 Release 2.0.0.

TL1 Agent

ONS 15800/15801 Release 2.0.0 features a TL1-compliant NE software supervision agent, release 2.0. The TL1 agent offers the following features:

- Full fault, configuration, accounting, performance and security management (FCAPS) capabilities

- Management of the new CMP-W-2E, OSU-W, and infrared modules
- Software download capabilities
- Alarm service affecting indication
- Board out and board mismatch alarms
- Event logging
- Local craft user profile password management
- Set and retrieve NE type
- TL1 agent profiling

Cisco Photonics Tool Kit and Cisco Photonics Local Terminal

Cisco Photonics Tool Kit Release 2.1 is the system installation tool and Cisco Photonics Local Terminal Release 3.0 is the system configuration tool for Release 2.0.0 of ONS 15800/15801. The two are used in conjunction as the ONS 15800/15801 local craft tool. Both applications are qualified for use on Windows 9x, Windows NT and Windows 2000 platforms.

Cisco Photonics Tool Kit Release 2.1

The Cisco Photonics Tool Kit Release 2.1 provides the following features:

- New Microsoft Windows style graphic user interface (GUI)
- Supports new CMP-W-2E, OSU-W, and infrared modules
- Multiple NE support
- Board type and board name setting
- Line direction setting
- Safety configuration setting
- Amplifier output power offset setting
- ADA module output power evaluation
- IR band amplifier output power offset setting
- OSCM module alarm threshold setting
- Red and Blue band set point adjustment
- Firmware download
- Module reset
- Network commissioning
- C band set point adjustment
- Point-to-point protocol (PPP) and Ethernet connection
- Execute ping test
- LSM module alarm state configuration
- CMP module IP discovery
- NE inventory
- Network troubleshooting

- Logging retrieval
- Show and modify NE parameters
- Display module details
- Show and modify CMP module parameters
- FTP client download
- B1 script execution
- Online help

Cisco Photonics Local Terminal Release 3.0

The Cisco Photonics Local Terminal Release 3.0 provides the following features:

- Firmware download
- Software download
- Alarm list export
- Supports new CMP-W-2E, OSU-W, and infrared modules
- Local and remote NE access
- System element identification
- Fault management, including alarm reporting and alarm setting
- NE configuration
- Amplifier power provisioning (APP)
- Performance monitoring
- Access control
- Collection and display of module and site information
- Online help

Remote Software/Firmware Downloading and Activation

All the software and firmware components of the ONS 15800/15801 system can be remotely downloaded and activated without affecting the client traffic.

Performance and Quality of Signal Monitoring

ONS 15800/15801 provides performance and quality of signal monitoring based on international standards (both Telcordia and ITU-T) through the TL1 agent interface and the Cisco Photonics Local Terminal. On the client signal, standard non-intrusive B1 monitoring is performed. On the forward error correction (FEC) coded signal, both pre-FEC and post-FEC parameters and counters are available, when applicable. threshold crossing alerts (TCAs) are available on all the monitored parameters and counters through the TL1 agent interface.

Alarm Correlation (NE Level)

ONS 15800/15801 provides alarm correlation at the NE level through the TL1 agent interface. This prevents a flurry of alarms from being presented to the NOC in case of catastrophic events such as fiber cuts, and allows rapid fault isolation and location.

CCO Software and Firmware Download Packages

The software required for Cisco ONS 15800/15801 includes the executable for the TL1 Agent and a ZIP file containing files necessary to operate the Cisco Photonics Local Terminal and the Cisco Photonics Tool Kit. The firmware required for the ONS 15800/15801 modules is compressed into a single ZIP file. This file contains the firmware and SCC slave information for all of the ONS 15800/15801 modules.

The software and firmware packages can be found on Cisco.com.

Software and Firmware Download Packages for Release 2.0.3

Table 1 displays the contents of the software and firmware packages available with Release 2.0.3.

Table 1 ONS 15800/15801 Release 2.0.3 Software and Firmware Downloads

CCO Image(s) file name	Module	Software / Firmware Product ID	Software / Firmware Version	File Name
15800-801-TL1-2.0.2.exe	CMP	CMP-TL1A-2.0=	2.0.2	ram.abs wd.fil CONDESC.DAT ne.dat tree.dat unit.dat catalog.txt
15800-801-SW-LCI-2.0.1.zip	—	SW-LCI-800-1-2.X=	—	app-db-1.0.1.zip dcom-954.71.1015.0.zip mdac-2.5.zip cptk-3.0.1.zip cplt-3.1.0.zip
15800-1-Upgr-to-2.0-1.0.4.exe	—	CMP-TL1A-2.0=	—	ram.abs CONDESC.DAT wd.fil tree.dat unit.dat ne.dat psosboot.sys monitor.abs amst202.flr catalog.html
CPTKDiagKey_1.0.0.zip	—	—	1.0.0	CPTKDiagKey.reg
15800-1-CompMatrix-1.0.47.zip	—	—	1.0.47	CPTK_Matrix.mdb

Table 1 ONS 15800/15801 Release 2.0.3 Software and Firmware Downloads (continued)

15800-801-Fw-package-8.0.3.zip ¹	ADA	APPL_ADA_LCB	2.0.0	ada200_1.flh
	BBA	APPL_BBA_LCB	2.0.4	bba204patch.flh
	BBA-10G	APPL_BBA10G_LCB	2.0.4	bba10g204patch.flh
	CMP	APPL_CMP_SCC	2.0.2	amst202.flh
	CMP-W-_2E	APPL_CMP_SCC	2.0.2	amst202.flh
	EOI	APPL_EOI_SCC	1.0.14	aeoi1014.flh
	IOC ²	APPL_IOC_SCC	1.0.13	aioc1013.flh
	LEM-622-N	APPL_LEM622_SCC	1.0.0	lemn100.flh
	LSM	APPL_LSM_SCC	1.1.1	alsm111.flh
	LEMN-EM-M _{xx}	APPL_LEMB_SCC	1.0.15	lemb10f_1.flh
	LEMN-EM-N _{xx}	APPL_LEMN_SCC	1.0.15	lemn10f_1.flh
	Transponders with SCC slave ³	APPL_LWR10GB1HS_LCB	3.2.5	ALEM10GH_325.FLH
	OADM-P4-R1 OADM-P4-R3	APPL_OADM_LCB	2.0.0	aoadm_200_1.flh
	PRE-L	APPL_PREL_LCB	2.0.2	aprel_202_1.flh
	RBA	APPL_RBA_LCB	2.0.4	rba204patch.flh
	RBA-10G	APPL_RBA10G_LCB	2.0.4	rba10g204patch.flh
	RBU	APPL_RBU_SCC	1.0.14	arbu1014.flh
	RXT-622-N	APPL_RXT622_SCC	1.0.0	rxtn100_1.flh
	RXT-DM-M-LH RXT-DM-M	APPL_RXTB_SCC	1.0.15	rxtb10f_1.flh
	SCF-W ⁴	APPL_SCF_SCC	1.0.18	ascf1018.flh
	SCC slave ⁵	APPL_SLAVE_SCC	2.1.3	aslv213.flh
	TPA-B	APPL_TPAB_LCB	2.0.4	tpab204patch.flh
	TPA-R	APPL_TPAR_LCB	2.0.4	tpar204patch.flh
	TPA-IR IRBA IRBA10G	APPL_TPA-IR_LCB	1.0.4	tpair104.flh
	PREL-IR	APPL_PREL-IR_LCB	1.0.4	prelir104.flh
	OSU	APPL_OSU_SCC	1.0.15	aosu1015.flh
	WCM622-N	APPL_WCM622_SCC	1.0.0	wcmn100_1.flh
	WCM-EM-M _{xx}	APPL_WCMB_SCC	1.0.15	wcmb10f_1.flh
	WCM-EM-N _{xx}	APPL_WCMN_SCC	1.0.15	wcmn10f_1.flh
	LEM-10G-F	APPL_LEM_10F	1.2.1	alem10fec121.fhx
	LEM-EM-F2.5G	APPL_LEM_25F	1.2.1	alem25fec121.flh
	RXT-10G-F	APPL_RXT_10F	1.2.1	arxt10fec121.fhx
	RXT-DM-F2.5G	APPL_RXT_25F	1.2.1	arxt25fec121.flh

Table 1 ONS 15800/15801 Release 2.0.3 Software and Firmware Downloads (continued)

WCM-10G-F	APPL_WCM_10F	1.2.1	awcm10fec121fxh
WCM-EM-F2.5G	APPL_WCM_25F	1.2.1	awcm25fec121.flh
8WD-B ⁶ 24WD-R 24WD-LLR 32WD-IR	APPL_AWG_SCC	1.0.13	aawg1013.flh

- 15800-801-Fw-package-8.0.2.zip contains the firmware for all the boards that can be upgraded in the field with Cisco Photonics Tool Kit software.
- IOC firmware version 1.0.13 can be used to upgrade version 1.0.11 and 1.0.12.
- LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1, RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, WCM-10H-B1(HS)
- SCF firmware version 1.0.18 can only be used to upgrade from version 1.0.16 and 1.0.17.
- ADA, OADM-P4-R1, OADM-P4-R3, LEM-10G-F, LEM-EM-F2.5G, RXT-10G-F, RXT-DM-F2.5G, WCM-10G-F, WCM-EM-F2.5G, BBA, BBA-10G, RBA-10G, RBA, PRE-L, TPA-R, TPA-B, LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, and WCM-10H-B1(HS) modules.
- AWG (demultiplexer) module firmware version 1.0.10 is for the 8WD-B (part number 800-09758-03), 24WD-R (800-09756-03), and the 24WD-LLR (800-10393-02) modules. AWG module firmware version 1.0.13 is for the 8WD-B (800-09758-04), 24WD-R (800-09756-04), and the 24WD-LLR (800-10393-03) modules.

Software and Firmware Download Packages for Release 2.0.2

Table 2 displays the contents of the software and firmware packages available with Release 2.0.2.

Table 2 ONS 15800/15801 Release 2.0.2 Software and Firmware Downloads

CCO Image(s) file name	Module	Software / Firmware Product ID	Software / Firmware Version	File Name
15800-801-TL1-2.0.2.exe	CMP	CMP-TL1A-2.0=	2.0.2	ram.abs wd.fil CONDESC.DAT ne.dat tree.dat unit.dat catalog.txt
15800-801-SW-LCI-2.0.0.zip	—	SW-LCI-800-1-2.X=	—	app-db-1.0.1.zip dcom-954.71.1015.0.zip mdac-2.5.zip cptk-3.0.0.zip cplt-3.1.0.zip

Table 2 ONS 15800/15801 Release 2.0.2 Software and Firmware Downloads (continued)

15800-1-Upgr-to-2.0-1.0.4.exe	—	CMP-TL1A-2.0=	—	ram.abs CONDESC.DAT wd.fil tree.dat unit.dat ne.dat psosboot.sys monitor.abs amst202.fl catalog.html
CPTKDiagKey_1.0.0.zip	—	—	1.0.0	CPTKDiagKey.reg
15800-1-CompMatrix-1.0.45.zip	—	—	1.0.45	CPTK_Matrix.mdb
15800-801-Fw-package-8.0.2.zip ¹	ADA	APPL_ADA_LCB	2.0.0	ada200_1.flh
	BBA	APPL_BBA_LCB	2.0.4	bba204patch.flh
	BBA-10G	APPL_BBA10G_LCB	2.0.4	bba10g204patch.flh
	CMP	APPL_CMP_SCC	2.0.2	amst202.fl
	CMP-W-2E	APPL_CMP_SCC	2.0.2	amst202.fl
	EOI	APPL_EOI_SCC	1.0.14	aeoi1014.flh
	IOC ²	APPL_IOC_SCC	1.0.13	aioc1013.flh
	LEM-622-N	APPL_LEM622_SCC	1.0.0	lemn100.flh
	LSM	APPL_LSM_SCC	1.1.1	alsm111.flh
	LEMN-EM-Mxx	APPL_LEMB_SCC	1.0.15	lemb10f_1.flh
	LEMN-EM-Nxx	APPL_LEMN_SCC	1.0.15	lemn10f_1.flh
	Transponders with SCC slave ³	APPL_LWR10GB1HS_L CB	3.2.5	ALEM10GH_325.FLH
	OADM-P4-R1 OADM-P4-R3	APPL_OADM_LCB	2.0.0	aoadm_200_1.flh
	PRE-L	APPL_PREL_LCB	2.0.2	aprel_202_1.flh
	RBA	APPL_RBA_LCB	2.0.4	rba204patch.flh
	RBA-10G	APPL_RBA10G_LCB	2.0.4	rba10g204patch.flh
	RBU	APPL_RBU_SCC	1.0.14	arbu1014.flh
	RXT-622-N	APPL_RXT622_SCC	1.0.0	rxtn100_1.flh
	RXT-DM-M-LH RXT-DM-M	APPL_RXTB_SCC	1.0.15	rxtb10f_1.flh
	SCF-W ⁴	APPL_SCF_SCC	1.0.18	ascf1018.flh
	SCC slave ⁵	APPL_SLAVE_SCC	2.1.3	aslv213.fl
	TPA-B	APPL_TPAB_LCB	2.0.4	tpab204patch.flh
	TPA-R	APPL_TPAR_LCB	2.0.4	tpar204patch.flh
	TPA-IR IRBA IRBA10G	APPL_TPA-IR_LCB	1.0.4	tpair104.flh

Table 2 **ONS 15800/15801 Release 2.0.2 Software and Firmware Downloads (continued)**

PREL-IR	APPL_PREL-IR_LCB	1.0.4	prelir104.flh
OSU	APPL_OSU_SCC	1.0.15	aosu1015.flh
WCM622-N	APPL_WCM622_SCC	1.0.0	wcmn100_1.flh
WCM-EM-M _{xx}	APPL_WCMB_SCC	1.0.15	wcmb10f_1.flh
WCM-EM-N _{xx}	APPL_WCMN_SCC	1.0.15	wcmn10f_1.flh
LEM-10G-F	APPL_LEM_10F	1.2.0	alem10fec120.fhx
LEM-EM-F2.5G	APPL_LEM_25F	1.2.1	alem25fec121.flh
RXT-10G-F	APPL_RXT_10F	1.2.0	arxt10fec120.fhx
RXT-DM-F2.5G	APPL_RXT_25F	1.2.1	arxt25fec121.flh
WCM-10G-F	APPL_WCM_10F	1.2.0	awcm10fec120.fhx
WCM-EM-F2.5G	APPL_WCM_25F	1.2.1	awcm25fec121.flh
8WD-B ⁶ 24WD-R 24WD-LLR 32WD-IR	APPL_AWG_SCC	1.0.13	aawg1013.flh

- 15800-801-Fw-package-8.0.2.zip contains the firmware for all the boards that can be upgraded in the field with Cisco Photonics Tool Kit software.
- IOC firmware version 1.0.13 can be used to upgrade version 1.0.11 and 1.0.12.
- LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1, RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, WCM-10H-B1(HS)
- SCF firmware version 1.0.18 can only be used to upgrade from version 1.0.16 and 1.0.17.
- ADA, OADM-P4-R1, OADM-P4-R3, LEM-10G-F, LEM-EM-F2.5G, RXT-10G-F, RXT-DM-F2.5G, WCM-10G-F, WCM-EM-F2.5G, BBA, BBA-10G, RBA-10G, RBA, PRE-L, TPA-R, TPA-B, LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, and WCM-10H-B1(HS) modules.
- AWG (demultiplexer) module firmware version 1.0.10 is for the 8WD-B (part number 800-09758-03), 24WD-R (800-09756-03), and the 24WD-LLR (800-10393-02) modules. AWG module firmware version 1.0.13 is for the 8WD-B (800-09758-04), 24WD-R (800-09756-04), and the 24WD-LLR (800-10393-03) modules.

Software and Firmware Download Packages for Release 2.0.1

Table 3 displays the contents of the software and firmware packages available with Release 2.0.1.



Note

Firmware for the OCP module is available in Release 2.0.1 only.

Table 3 **ONS 15800/15801 Release 2.0.1 Software and Firmware Downloads**

CCO Image(s) file name	Module	Software / Firmware Product ID	Software / Firmware Version	File Name
15800-801-TL1-2.0.2.exe	CMP	CMP-TL1A-2.0=	2.0.2	ram.abs wd.fil CONDESC.DAT ne.dat tree.dat unit.dat catalog.txt
15800-801-SW-LCI-1.1.0.zip	Not Applicable	SW-LCI-800-1-2.X	Not Applicable	app-db-1.0.1.zip dcom-954.71.1015.0.zip mdac-2.5.zip cptk-2.1.0.zip cplt-3.0.1.zip
15800-1-upgr-to-2.0-1.0.1.exe	Not Applicable	Not Applicable	2.0.2	ram.abs CONDESC.DAT wd.fil tree.dat unit.dat ne.dat psosboot.sys monitor.abs amst202.fl catalog.html
15800-801-Fw-package-8.0.1.zip ¹	ADA	APPL_ADA_LCB	2.0.0	ada200_1.flh
	BBA	APPL_BBA_LCB	2.0.4	bba204patch.flh
	BBA-10G	APPL_BBA10G_LCB	2.0.4	bba10g204patch.flh
	CMP	APPL_CMP_SCC	2.0.2	amst202.fl
	CMP-W-2E	APPL_CMP_SCC	2.0.2	amst202.fl
	EOI	APPL_EOI_SCC	1.0.14	aeoi1014.flh
	IOC ²	APPL_IOC_SCC	1.0.13	aioc1013.flh
	LEM-622-N	APPL_LEM622_SCC	1.0.0	lemn100_1.flh
	LSM ³	APPL_LSM_SCC	1.1.1	alsm111.flh
	LEMN-EM-Mxx	APPL_LEMB_SCC	1.0.15	lemb10f_1.flh
	LEMN-EM-Nxx	APPL_LEMN_SCC	1.0.15	lemn10f_1.flh
	⁴	APPL_LWR10GB1HS_LCB	3.2.5	ALEM10GH_325.FLH
	OADM-P4-R1 OADM-P4-R3	APPL_OADM_LCB	2.0.0	aoadm_200_1.flh
	PRE-L	APPL_PREL_LCB	2.0.2	aprel_202_1.flh
	RBA	APPL_RBA_LCB	2.0.4	rba204patch.flh
	RBA-10G	APPL_RBA10G_LCB	2.0.4	rba10g204patch.flh
	RBU	APPL_RBU_SCC	1.0.14	rbu1014.flh

Table 3 **ONS 15800/15801 Release 2.0.1 Software and Firmware Downloads (continued)**

RXT-622-N	APPL_RXT622_SCC	1.0.0	rxtn100_1.flh rxtn100.fl
RXT-DM-M-LH RXT-DM-M	APPL_RXTB_SCC	1.0.15	rxtb10f_1.flh rxtb10f.fl
SCF-W ⁵	APPL_SCF_SCC	1.0.18	ascf1018.flh
SCC slave ⁶	APPL_SLAVE_SCC	2.1.3	aslv213.fl
TPA-B	APPL_TPAB_LCB	2.0.4	tpab204patch.flh
TPA-R	APPL_TPAR_LCB	2.0.4	tpar204patch.flh
OSU	APPL_OSU_SCC	1.0.15	aosu1015.flh
WCM622-N	APPL_WCM622_SCC	1.0.0	wcmn100_1.flh
WCM-EM-M _{xx}	APPL_WCMB_SCC	1.0.15	wcmb10f_1.flh
WCM-EM-N _{xx}	APPL_WCMN_SCC	1.0.15	wcmn10f_1.flh
LEM-10G-F	APPL_LEM_10F	1.2.0	alem10fec120.fhx
LEM-EM-F2.5G	APPL_LEM_25F	1.2.0	alem25fec120.flh
RXT-10G-F	APPL_RXT_10F	1.2.0	arxt10fec120.fhx
RXT-DM-F2.5G	APPL_RXT_25F	1.2.0	arxt25fec120.flh
WCM-10G-F	APPL_WCM_10F	1.2.0	awcm10fec120.fhx
WCM-EM-F2.5G	APPL_WCM_25F	1.2.0	awcm25fec120.flh
8WD-B ⁷ 24WD-R 24WD-LLR	APPL_AWG_SCC	1.0.13 1.0.13 1.0.10	aawg1013.flh aawg1013.fl aawg_10a.fl

1. 15800-801-Fw-package-8.0.0.zip contains the fw for all the boards that can be upgraded in field, through CPTK tool. The association between a specific file and the board where it can be downloaded is described in the SRN document associated with the release.
2. IOC firmware version 1.0.13 can be used to upgrade version 1.0.11 and 1.0.12
3. The file alsml111.flh for the LSM module contains the firmware for both the 332 and 196 (SCC) processors on the module.
4. LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, WCM-10H-B1(HS)
5. SCF firmware version 1.0.18 can only be used to upgrade from version 1.0.16 and 1.0.17.
6. BBA, BBA-10G, RBA-10G, RBA, PRE-L, TPA-R, TPA-B, LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, and WCM-10H-B1(HS) modules
7. AWG (demultiplexer) module firmware version 1.0.10 is for the 8WD-B (part number 800-09758-03), 24WD-R (800-09756-03), and the 24WD-LLR (800-10393-02) module. AWG module firmware version 1.0.13 is for the 8WD-B (800-09758-04), 24WD-R (800-09756-04), and the 24WD-LLR (800-10393-03) module.

Software and Firmware Download Packages for Release 2.0.0

Table 4 displays the contents of the software and firmware packages available with Release 2.0.0.

Table 4 **ONS 15800/15801 Release 2.0.0 Software and Firmware Downloads**

CCO Image(s) file name	Module	Software / Firmware Product ID	Software / Firmware Version	File Name
15800-801-TL1-2.0.1.exe	CMP	CMP-TL1A-2.0=	2.0.1	ram.abs wd.fil CONDESC.DAT ne.dat tree.dat unit.dat catalog.txt
15800-801-SW-LCI-1.1.0.zip	Not Applicable	SW-LCI-800-1-2.X	Not Applicable	app-db-1.0.1.zip dcom-954.71.1015.0.zip mdac-2.5.zip cptk-2.1.0.zip cplt-3.0.1.zip
15800-1-upgr-to-2.0-1.0. 0.exe	Not Applicable	Not Applicable	2.0.1	ram.abs CONDESC.DAT wd.fil tree.dat unit.dat ne.dat psosboot.sys monitor.abs amst202.fl catalog.html
15800-801-Fw-package-8.0.0.zip ¹	ADA	APPL_ADA_LCB	2.0.0	ada200_1.flh ada200.fl
	BBA	APPL_BBA_LCB	2.0.3	bba203_1.flh bba203.fl
	BBA-10G	APPL_BBA10G_LCB	2.0.3	bba10g203_1.flh bba203.fl
	CMP	APPL_CMP_SCC	2.0.2	amst202.fl
	CMP-W-2E	APPL_CMP_SCC	2.0.2	amst202.fl
	EOI	APPL_EOI_SCC	1.0.13	aeoi10d_1.flh aeoi10d.fl
	IOC ²	APPL_IOC_SCC	1.0.12	aioc1012.flh aioc1012.fl
	LEM-622-N	APPL_LEM622_SCC	1.0.0	lemn100_1.flh lemn100.fl
	LSM ³	APPL_LSM_SCC	2.1.0	alsm111.flh
	LEMN-EM-Mxx	APPL_LEMB_SCC	1.0.15	lemb10f_1.flh lemb10f.fl
	LEMN-EM-Nxx	APPL_LEMN_SCC	1.0.15	lemn10f_1.flh lemn10f.fl
		APPL_LWR10GB1HS_LCB ⁴	3.2.5	alem10gh_325.flh alem10gh_325.fl

Table 4 **ONS 15800/15801 Release 2.0.0 Software and Firmware Downloads (continued)**

OADM-P4-R1 OADM-P4-R3	APPL_OADM_LCB	2.0.0	aoadm_200_1.flh aoadm_200.fl
PRE-L	APPL_PREL_LCB	2.0.2	aprel_202_1.flh aprel_202.fl
RBA	APPL_RBA_LCB	2.0.3	rba203_1.flh rba203.fl
RBA-10G	APPL_RBA10G_LCB	2.0.3	rba10g203_1.flh rba10g203.fl
RBU	APPL_RBU_SCC	1.0.13	rbu10d_1.flh rbu10d.fl
RXT-622-N	APPL_RXT622_SCC	1.0.0	rxtn100_1.flh rxtn100.fl
RXT-DM-M-LH RXT-DM-M	APPL_RXTB_SCC	1.0.15	rxtb10f_1.flh rxtb10f.fl
RXT-DM-N-LH RXT-DM-N	APPL_RXTN_SCC	1.0.15	rxtn10f_1.flh rxtn10f.fl
SCF-W ⁵	APPL_SCF_SCC	1.0.17	ascf1017.flh ascf1017.fl
SCC slave ⁶	APPL_SLAVE_SCC	2.0.0	aslv_200c.fl
	APPL_SLAVE_SCC ⁷	2.1.1	aslv211.fl
	APPL_SLAVE_SCC ⁸	2.1.2	aslv213.fl
TPA-B	APPL_TPAB_LCB	2.0.3	tpab204patchflh
TPA-R	APPL_TPAR_LCB	2.0.3	tpar204.flh
WCM622-N	APPL_WCM622_SCC	1.0.0	wcmn100_1.flh wcmn100.fl
WCM-EM-M _{xx}	APPL_WCMB_SCC	1.0.15	wcmb10f_1.flh wcmb10f.fl
WCM-EM-N _{xx}	APPL_WCMN_SCC	1.0.15	wcmn10f_1.flh wcmn10f.fl
LEM-10G-F	APPL_LEM_10F	1.1.1	alem10fec111.fhx alem10fec111.flx
	APPL_RX_LEM_10F	1.1.1	alem10fec111.fl
LEM-EM-F2.5G	APPL_LEM_25F	1.1.1	alem25fec120.flh
RXT-10G-F	APPL_RXT_10F	1.1.1	arxt10fec120.fhx
	APPL_RX_RXT_10f	1.1.1	arxt10fec111.fl
RXT-DM-F2.5G	APPL_RXT_25F	1.1.1	arxt25fec120.flh
WCM-10G-F	APPL_WCM_10F	1.1.1	awcm10fec120fxh
	APPL_RX_WCM_10f	1.1.1	awcm10fec111.fl

Table 4 **ONS 15800/15801 Release 2.0.0 Software and Firmware Downloads (continued)**

WCM-EM-F2.5G	APPL_WCM_25F	1.1.1	awcm25fec120.flh
8WD-B ⁹	APPL_AWG_SCC	1.0.13	aawg1013.flh
24WD-R		1.0.13	aawg1013.fl
24WD-LLR		1.0.10	aawg_10a.fl

1. 15800-801-Fw-package-8.0.0.zip contains the fw for all the boards that can be upgraded in field, through CPTK tool. The association between a specific file and the board where it can be downloaded is described in the SRN document associated with the release.
2. IOC firmware version 1.0.12 can be used to upgrade version 1.0.11
3. The file alsm210.flh for LSM module contains the firmware for both the 332 and 196 (SCC) processors on the module. Note that the version reported after the download is 1.1.0.
4. LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, WCM-10H-B1(HS)
5. SCF firmware version 1.0.17 can only be used to upgrade from version 1.0.16.
6. ADA, OADM-P4-R1, and OADM-P4-R3 modules
7. LEM-10G-F, LEM-EM-F2.5G, RXT-10G-F, RXT-DM-F2.5G, WCM-10G-F, and WCM-EM-F2.5G modules
8. BBA, BBA-10G, RBA-10G, RBA, PRE-L, TPA-R, TPA-B, LEM-10G-B1, LEM-10G-B1(HS), LEM-10H-B1, LEM-10H-B1(HS), RXT-10G-B1, RXT-10G-B1(HS), RXT-10H-B1(HS), WCM-10G-B1, WCM-10G-B1(HS), WCM-10H-B1, and WCM-10H-B1(HS) modules
9. AWG (demultiplexer) module firmware version 1.0.10 is for the 8WD-B (part number 800-09758-03), 24WD-R (800-09756-03), and the 24WD-LLR (800-10393-02) module. AWG module firmware version 1.0.13 is for the 8WD-B (800-09758-04), 24WD-R (800-09756-04), and the 24WD-LLR (800-10393-03) module.

Special Instructions, Limitations, and Restrictions

This section describes any special instructions, limitations, and restrictions associated with the Cisco ONS 15800/15801 Release 2.0 and subsequent maintenance releases.

Restrictions

This section lists the known restrictions associated with the Cisco ONS 15800/15801 Release 2.0 and subsequent maintenance releases.

Amplifiers

For RBA, BBA, RBA-10G, BBA-10G, RBA-10GE, TPA-B, TPA-R amplifier modules running firmware version 2.0.1 or 2.0.3, please verify, before upgrading the CMP agent, whether the procedure described in the Amplifier Threshold Procedure document is applicable. This document is available at the following URL:

<ftp://ftp.cisco.com/cisco/optical/special/ons/1580X/1.x>.

Transponders

When upgrading the firmware for modules starting from the ONS 15800 release 1.6 / 15801 release 1.4, it is required to apply the sequence below when upgrading the following modules:

- LEM-EM-F2.5G
- WCM-EM-F2.5G
- RXT-EM-F2.5G

- LEM-10G-F
- WCM-10G-F
- RXT-10G-F

-
- Step 1** Download the new firmware version from Cisco.com.
- Step 2** Install and activate the firmware on the modules.
- Step 3** Download a new Slave SCC firmware version.
- Step 4** Install and activate the SCC Slave firmware on the modules.

**Note**

Refer to the *Cisco Photonics Local Terminal Software Administrator Manual for the Cisco ONS 15800/15801 System* for more information about downloading firmware.

Software

Windows 95 and Windows 98 users must have a FAT32 file system, and must install OEM Service Release version 2 in order to run the Cisco Photonics Tool Kit version 2.1.

Hardware Caveats

This section describes the hardware caveats known to exist at the time of product release. Cisco provides a Bug Toolkit, which is a web resource for tracking defects. To access the Bug Toolkit, visit the following URL:

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

ONS 15800/15801 Release 2.0.3

There are no known hardware caveats as of the release date.

ONS 15800/15801 Release 2.0.2

There are no known hardware caveats as of the release date.

ONS 15800/15801 Release 2.0.1

There are no known hardware caveats as of the release date.

ONS 15800/15801 Release 2.0.0

There are no known hardware caveats as of the release date.

Software Caveats

This section describes the software caveats known to exist at the time of product release. Cisco provides a Bug Toolkit, which is a web resource for tracking defects. To access the Bug Toolkit, visit the following URL:

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

Open Caveats - ONS 15800/15801 Release 2.0.3 [Release Date: June 2003]

This section describes the software caveats known to exist at the time of product release.

CSCuk44021 Temporary Alarms are Generated When Restoring the Optical Signal

Temporary alarms such as loss of output modulation (LOM), laser 1 power low, and output power 1 fail may be generated by the TXP-10G-FEC modules.

Conditions

The optical traffic running through an RXT-10G-FEC module is interrupted, similar to a fiber cut, and is then restored. These temporary alarms may occur all together or individually, but usually only last a few seconds.

Workaround

None.

CSCuk42466 TL1 Agent Could Not Report QoS Alarms After an Agent Reset

The TL1 agent could not report B1 15-minute QoS alarms referring to the quarter during which it was restarted.

Conditions

This situation occurs after a reset of a network element in a terminal site where the performance monitoring is enabled.

Workaround

None.

CSCuk42396 Inserted Modules Shown as Extracted After a CMP-S Reset

Simultaneously extract CMP-S modules that control fully equipped bays. After restarting, some of the modules in the controlled bays are shown as extracted in the TL1 interface but are correctly visible in Cisco Photonics Local Terminal. Consequently, Cisco Transport Manager cannot retrieve the correct configuration.

Conditions

Each CMP-S module has control of a fully equipped bay. Extract more than one CMP-S simultaneously or reset the bays controlled by the CMP-S modules.

Workaround

After the system restart, force a TL1 MIB alignment using the following command:

```
INIT-SYS::<cmp master address>:AA::1;
```

CSCuk41079 Agent Accepts Adding a TL1 User Name With a Hyphen

The TL1 agent does not allow cancelling addition of a new TL1 user. The returned error code is IIAC.

Conditions

When the new user name includes a hyphen, this error will occur.

Workaround

Remove the file named PASSW1.DAT from the active directory of the agent and reset the CMP module using Cisco Photonics Local Terminal, Cisco Photonics Tool Kit, or Cisco Transport Manager.



Note By removing the PASSW1.DAT file, all of the default user accounts will be restored.

CSCuk40471 TL1 Send Time-Out While Putting a Module In Service

TL1 commands are refused with a time out error.

Conditions

This condition occurs when several modules are restored or inserted simultaneously.

Workaround

Wait for the system to complete discovery and then resend the commands.

When the system is discovering many new modules, any incoming commands are queued and processed at the end of the discovery process. Commands cannot be pending for more than ten seconds, after which the command is aborted with a time-out error.

CSCuk39066 TL1 Agent Download Stops During Heavy Alarms burst or PM Retrieval

A TL1 agent download fails using Cisco Photonics Local Terminal and Cisco Transport Manager.

Conditions

One of the following conditions will cause this situation:

- a. The NE is receiving extended alarm bursts.
- b. Software download is started during a 15-minute PM retrieval.

Workaround

For condition a, perform one of the following:

- Using Cisco Photonics Local Terminal, remove the module that is generating the alarm bursts from the NE inventory. This is the recommended solution.
- Using the Cisco Photonics Local Terminal FTP protocol to perform the TL1 agent download.

For condition b, wait for a couple of minutes and start the software download again.

CSCuk38801 TL1 Log Activation Malfunction

The TL1 agent log activation does not work.

Conditions

When running TL1 commands managing log files, such as RTRV-ATTR-LOG, SET-ATTR-LOG.

Workaround

Perform the following steps:

-
- Step 1** Telnet on the CMP module.
 - Step 2** Perform the command `cd active/log` to locate the directory where the TL1 log files are stored.
 - Step 3** Remove both the MGMT and SYS log files.
- Normal TL1 behavior is restored.
-

CSCuk38410 A Module is Shown as Not Present in the Cisco Photonics Tool Kit Firmware Download Window

The Cisco Photonics Tool Kit firmware download window shows a module as not present.

Conditions

Reseat the module while a firmware download on the module is in progress.

Workaround

Close and reopen the firmware download window. The module will then be shown as present and a new firmware download can be started. This situation only happens in the firmware download window.

CSCuk38332 TL1 RST Command Does Not Work

The TL1 reset command to restore a module to in-service state does not work.

Conditions

From the TL1 interface, the following TL1 command must be executed:

```
RST : : <AID> : <CTAG> ;
```

Workaround

None.

CSCuk38221 Cisco Photonics Local Terminal Does Not Recognize a CMP Reset After a Software Download is completed

Occasionally, Cisco Photonics Local Terminal stops responding after a TL1 agent download completes.

Conditions

After a TL1 agent software download has completed.

Workaround

Once the Cisco Photonics Local Terminal stops responding to user input requests, you can terminate the application using the operating system task manager and restart the application without impact to the recently downloaded TL1 agent. TL1 agent download can still be done using the Cisco Photonics Tool Kit embedded download feature.

CSCuk38128 CMP Locks in State 2 after Agent Restart

TL1 agent does not complete the module discovery phase and the CMP is stuck in state 2.

Conditions

This situation happens during an NE restart.

Workaround

Reset the CMP module. Since the CMP is in state 2, it cannot be connected through Cisco Photonics Local Terminal or Cisco Photonics tool Kit software. To reset the CMP module, implement the following steps:

-
- Step 1** Telnet the CMP module using ROOT privileges.
- Step 2** At the system prompt, type the command `reset`.
-

CSCuk37855 SCC Master Firmware Version on the CMP Master Sometimes is Missing

The SCC firmware version of the CMP master module is not reported in Cisco Photonics Local Terminal or the TL1 agent.

Conditions

The problem is not a system problem, and may only appear after resetting the NE TL1 agent.

Workaround

Since the problem is related to a timing issue, it can be solved by resetting the NE master CMP module one or more times.

CSCuk37580 Bay LED Does Not Change at Alarm Severity Change

A severity change of an active alarm on a module through the Cisco Photonics Local Terminal application is not represented on the bay LEDs.

Conditions

The NE has more than one bay. The operator wants to change the severity of an active alarm on a module in a bay with ID greater than one. The operator selects the alarm IOGen of the module through the Cisco Photonics Local Terminal application and changes the alarm severity described in the reporting attributes window.

Workaround

The problem has been fixed in TL1 agent release 2.1.0. Migration to this release of the TL1 agent is recommended.

CSCuk37072 SCF Module Mismatch on Shelf Alarms Summarizer LEDs

The SCF module reports an alarm scenario on the shelf summarization LEDs that does not match with the real shelf alarm condition. this problem is not systematic.

Conditions

The NE TL1 agent is running in status 6.

Workaround

The problem can be recovered by resetting the NE master CMP module.

CSCuk36883 Unequipped Slots May Cause Loss of Equipment Monitoring

Equipped slots or shelves are shown as empty slots in Cisco Photonics Local Terminal or Cisco Transport Manager software.

Conditions

This situation may happen when the NE has unequipped slots configured.

Workaround

Remove the unequipped slots from the current NE inventory.

CSCuk36833 Column One Field in the Board Firmware Download Window Resizes Incorrectly

the board firmware download window does not allow automatic sizing of the first column when double-clicking the border.

Conditions

Double-clicking the Cisco Photonics Tool Kit board firmware download window border with the left mouse button.

Workaround

Resize the column by dragging the column border.

CSCuk36271 Wrong Configuration in a Local Host Condition

A CMP-W module is able to discover only the first bay in the NE where more than one bay is configured.

Conditions

CMP-W equipped with TL1 agent 2.0.x. The problem arises after the addition of a second bay to the NE configuration.

Workaround

This problem has been fixed in TL1 agent 2.1.0.

Perform the following steps:

-
- Step 1** FTP the CMP-W and log in with ROOT privileges.
 - Step 2** Move to the directory \ACTIVE

- Step 3** Upload the text file CMPFILE.CFG
 - Step 4** Using any text editor, change the IP address reported in the file with 192.168.67.1.
 - Step 5** Save the file and download it back into the \ACTIVE directory.
 - Step 6** Reset the CMP-W module.
-

CSCuk36029 Wrong Reset Alarm Notification is Sent to the Client

In normal operation, a TL1 TCA clear operation will send a TCA clear notification to all connected clients. In a problem operation, a TL1 TCA clear operation will also send notification of no more active alarms to all connected clients.

Conditions

The ONS 15800/15801 NE includes at least one unit with active alarms and TCAs.

Workaround

None.

CSCuk36017 Agent Does Not Show IP Address if Parameter File is Missing Last Lines

The NE is unreachable using the assigned IP address.

Conditions

A CMP network configuration file is corrupted (on the CMP flash drive) and the NE has been re-initialized.

Workaround

Use the default IP address (10.51.100.254) to connect to the NE.

Change the NE IP address to the correct one using the procedures in the technical manuals.

CSCuk36010 TL1 Does Not Manage the Persistence of Environmental Alarms Description

Environmental alarms custom descriptions for ONS 15800/15801 IOC modules are lost.

Conditions

The problem arises only on IOC modules when extracted and later inserted, or a module reset due to a firmware upgrade.

Workaround

If the problem occurs, either a MIB alignment operation (TL! command INIT-SYS with parameter value set to 1) or a CMP reset will reload the correct descriptions.

Environmental alarms can have a custom description set using the SET-ATTR-ENV command. If an IOC module with customized alarm descriptions is restarted because of removal and insertion or because of a firmware upgrade, the customized descriptions are lost. the problem does not occur with an NE restart or alignment.

CSCuk36009 Bad Format Numeric Parameters Cause a System Reload

Bad numeric parameter formats cause the system to reload.

Conditions

More than 15 digits using engineering format (such as 2.3E+23) are inserted for floating point parameter values when using a TL1 command request.

Workaround

Do not insert more than 15 digits in a TL1 command when using the engineering format notation for floating point parameter values. This impacts all TL1 commands that expect floating point parameters.

CSCuk36008 File Removal May Result in File System Inconsistency

Error code SFTF reported during Software upgrade operation using TL1 commands OPR-SWDNL, OPR-SWSTDBY, OPR-SWCMT.

Conditions

This problem may arise if the software upgrade operation is forced to abort.

Workaround

None.

CSCuk36007 TL1 Agent Does NOT Handle Module Serial Number Longer than Ten Characters

The TL1 agent returns a wrong module serial number, or a serial number containing non-printable characters.

Conditions

The ONS 15800/15801 NE is equipped with a TL1 agent version 2.0(0) and includes at least one module having an 11 digit serial number.

Workaround

None.

CSCuk35931 Due to a Complete Board Alarms Clear, the NE is Declared Not Alarmed

The TL1 agent shows the NE in **Normal Status - NR**, even though the NE still has active alarms.

Conditions

Whenever one of the control units clears all its active alarms, but other alarms are still present on the NE.

Workaround

Either restart the CMP module using Cisco Photonics Local Terminal or Cisco Photonics tool Kit, or force a TL1 agent MIB alignment by issuing the following Tl1 command.

```
INIT-SYS::<AID>:<CTAG>:::1;
```

CSCuk33706 TL1 Does Not Handle Persistence on IOGen with HEX Alpha Char Instances

Some module input/output measurement point values (IOGen) are not saved.

Conditions

This problem arises when setting IOGen values using TL1 commands for modules that have more than ten IOGen. Up to ten IOGen are correctly saved while the remaining ones are not.

Workaround

Use Cisco Photonics Local Terminal to set IOGen values for modules with more than ten measurement points.

This problem applies to all of the ONS 15800/15801 modules with more than ten measurement points.

CSCuk31132 SCC Master Cannot be Downloaded with Any Other Firmware

Cisco Photonics tool Kit reports a download unsuccessfully completed message.

Conditions

Whenever firmware is simultaneously downloaded on an SCC master and any other module, the SCC master firmware is downloaded correctly while the other module firmware download fails.

Workaround

Do not download any other firmware at the same time you download the master SCC firmware.

If the problem occurs, the firmware can be reloaded after the master SCC download is completed.

CSCdy18931 TXT 2.5 B1 Monitoring Boards are Shown as Empty Slots

At NE start-up, the CMP module does not reach the normal operating state.

Conditions

There are one or more 2.5 B1 monitoring transponders in the NE.

Workaround

Reset the CMP module. this operation does not affect traffic.

CSCdt35132 Changing the OADM LasTemp2 Value Does Not Change the Working Point

The LasTemp2 PM point present on the OADM circuit pack cannot be controlled by setting its working set point like the LasTemp1 PM point.

Conditions

When trying to set the OADM LasTemp2 working point.

Workaround

The working set point for the LasTemp2 cannot be changed because it is only present for backward compatibility.

The OADM circuit pack only has a single grating controlled laser temperature. The firmware for the OADM circuit pack shows the presence of a virtual second PM point for backward compatibility.

The LasTemp2 PM point is not controllable from the local craft interface. Any attempt to change the value is not accomplished by the firmware.

CSCuk31930 Demux Modules Connected to the Control Bus Do Not Respond to the CMP Module Polling Queries

Demux modules connected to the control bus do not answer the polling queries performed by the CMP module. The Cisco Photonics Local Terminal reports an empty slot.

Conditions

Commands and environment that can cause the problem are related to high traffic conditions on the control bus.

Workaround



This workaround is traffic affecting. Obtain proper clearance before removing the demux module.

Removing and replacing the demux module resolves the problem.

This firmware release works on hardware version 73-5995-0x applied to the following modules:

- 24WD-R (800-09756-05)
- 8WD-B (800-09758-04)
- 24WD-LLR (800-10393-03)

CSCdu85293 Removed Modules Remain Visible After MIB Alignment

The modules or configured slots are still visible in TL1 after their removal from the list of configured slots.

Conditions

After removing a module from the NE list of configured slots, it is possible to retrieve the slot and inserted modules if a MIB alignment is performed from the TL1 agent interface.

Workaround

Removing one or more slots from the list of managed slots would require the NE to be reset at the end of the slot removal procedure in order for the changes to be applied.

The list of configured slots is defined only during the NE configuration and installation phase.

Resolved Caveats - ONS 15800/15801 Release 2.0.3

This section describes the hardware, software, and firmware caveats that have been resolved or removed with the ONS 15800/15801 Release 2.0.3 maintenance release.

Resolved Hardware Caveats

There are no resolved hardware caveats for the ONS 15800/15801 maintenance release 2.0.3.

Resolved Software/Firmware Caveats

[Table 5](#) lists the caveats resolved in the ONS 15800/15801 maintenance release 2.0.3.

Table 5 *Resolved Caveats for ONS 15800/15801 Release 2.0.2*

Caveat Number	Component	Description
CSCuk43189	Cisco Photonics Tool Kit	Network release version check command disabled.
CSCuk42733	TL1 agent	SES alarms on non FEC transponders are generated with service affect NA.
CSCuk42823	TL1 agent	PowClass is shown always high whenever resetting amplifier or agent.
CSCuk42734	TL1 agent	RTRV-LOG command does not complete when log file is full.
CSCuk41051	TL1 agent	TL1 service stops to accept incoming connections.
CSCuk42887	LEM_10G_FEC	Blinking alarms when optical input power is dropped or restored.
CSCuk42885	WCM_10G_FEC	Blinking alarms when optical input power is dropped or restored.
CSCuk42888	RXT_10G_FEC	Blinking alarms when optical input power is dropped or restored.

Removed Hardware Caveats

There are no removed hardware caveats for the ONS 15800/15801 maintenance release 2.0.3

Removed Software/Firmware Caveats

There are no removed software/firmware caveats for the ONS 15800/15801 maintenance release 2.0.3

Related Documentation

The following documents are associated with the ONS 15800/15801 Release 2.0 and subsequent maintenance releases:

- *Cisco ONS 15800 DWDM System Module Technical Descriptions Manual*
- *Cisco ONS 15801 DWDM System Module Technical Descriptions Manual*
- *Cisco ONS 15800 DWDM System Description Manual*
- *Cisco ONS 15801 DWDM System Description Manual*
- *Cisco ONS 15800 DWDM System Installation, Setup, and Test Manual*
- *Cisco ONS 15801 DWDM System Installation, Setup, and Test Manual*
- *Cisco ONS 15800 DWDM System Configuration Manual*
- *Cisco ONS 15801 DWDM System Configuration Manual*
- *Cisco Photonics Local Terminal Software Manual for the ONS 15800/15801 System*
- *Cisco Photonics Tool Kit Software Manual for the ONS 15800/15801 System*
- *TL1 Command Reference for the Cisco ONS 15800/15801 System*

Obtaining Documentation

Cisco provides several ways to obtain documentation, technical assistance, and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

International Cisco websites can be accessed from this URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which may have shipped with your product. The Documentation CD-ROM is updated regularly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual or quarterly subscription.

Registered Cisco.com users can order a single Documentation CD-ROM (product number DOC-CONDOCCD=) through the Cisco Ordering tool:

http://www.cisco.com/en/US/partner/ordering/ordering_place_order_ordering_tool_launch.html

All users can order monthly or quarterly subscriptions through the online Subscription Store:

<http://www.cisco.com/go/subscription>

Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpk/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:

<http://www.cisco.com/en/US/partner/ordering/index.shtml>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, U.S.A.) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

You can submit comments electronically on Cisco.com. On the Cisco Documentation home page, click **Feedback** at the top of the page.

You can e-mail your comments to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com, which includes the Cisco Technical Assistance Center (TAC) website, as a starting point for all technical assistance. Customers and partners can obtain online documentation, troubleshooting tips, and sample configurations from the Cisco TAC website. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC website, including TAC tools and utilities.

Cisco.com

Cisco.com offers a suite of interactive, networked services that let you access Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com provides a broad range of features and services to help you with these tasks:

- Streamline business processes and improve productivity
- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

To obtain customized information and service, you can self-register on Cisco.com at this URL:

<http://tools.cisco.com/RPF/register/register.do>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available: the Cisco TAC website and the Cisco TAC Escalation Center. The type of support that you choose depends on the priority of the problem and the conditions stated in service contracts, when applicable.

We categorize Cisco TAC inquiries according to urgency:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration. There is little or no impact to your business operations.
- Priority level 3 (P3)—Operational performance of the network is impaired, but most business operations remain functional. You and Cisco are willing to commit resources during normal business hours to restore service to satisfactory levels.
- Priority level 2 (P2)—Operation of an existing network is severely degraded, or significant aspects of your business operations are negatively impacted by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.
- Priority level 1 (P1)—An existing network is “down,” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Cisco TAC Website

The Cisco TAC website provides online documents and tools to help troubleshoot and resolve technical issues with Cisco products and technologies. To access the Cisco TAC website, go to this URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco service contract have complete access to the technical support resources on the Cisco TAC website. Some services on the Cisco TAC website require a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to this URL to register:

<http://tools.cisco.com/RPF/register/register.do>

If you are a Cisco.com registered user, and you cannot resolve your technical issues by using the Cisco TAC website, you can open a case online at this URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, we recommend that you open P3 and P4 cases online so that you can fully describe the situation and attach any necessary files.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses priority level 1 or priority level 2 issues. These classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer automatically opens a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to this URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the Cisco support services to which your company is entitled: for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). When you call the center, please have available your service agreement number and your product serial number.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The *Cisco Product Catalog* describes the networking products offered by Cisco Systems, as well as ordering and customer support services. Access the *Cisco Product Catalog* at this URL:
http://www.cisco.com/en/US/products/products_catalog_links_launch.html
- Cisco Press publishes a wide range of networking publications. Cisco suggests these titles for new and experienced users: *Internetworking Terms and Acronyms Dictionary*, *Internetworking Technology Handbook*, *Internetworking Troubleshooting Guide*, and the *Internetworking Design Guide*. For current Cisco Press titles and other information, go to Cisco Press online at this URL:
<http://www.ciscopress.com>
- *Packet* magazine is the Cisco quarterly publication that provides the latest networking trends, technology breakthroughs, and Cisco products and solutions to help industry professionals get the most from their networking investment. Included are networking deployment and troubleshooting tips, configuration examples, customer case studies, tutorials and training, certification information, and links to numerous in-depth online resources. You can access *Packet* magazine at this URL:
<http://www.cisco.com/go/packet>
- iQ Magazine is the Cisco bimonthly publication that delivers the latest information about Internet business strategies for executives. You can access iQ Magazine at this URL:
<http://www.cisco.com/go/iqmagazine>
- Internet Protocol Journal is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the Internet Protocol Journal at this URL:
http://www.cisco.com/en/US/about/ac123/ac147/about_cisco_the_internet_protocol_journal.html
- Training—Cisco offers world-class networking training. Current offerings in network training are listed at this URL:
http://www.cisco.com/en/US/learning/le31/learning_recommended_training_list.html

This document is to be used in conjunction with the documents listed in the [“Related Documentation”](#) section.

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