



Release Notes for Cisco ONS 15310-MA Release 8.5.3

OL-17926-01
November 2008

Release notes address closed (maintenance) issues, caveats, and new features for the Cisco ONS 15310-MA platform. For detailed information regarding features, capabilities, hardware, and software introduced with this release, refer to Release 8.5.1 version of the *Cisco ONS 15310-CL and Cisco ONS 15310-MA Procedure Guide*; Release 8.5.1 version of the *Cisco ONS 15310-CL and Cisco ONS 15310-MA Reference Guide*; and Release 8.5.1 version of the *Cisco ONS 15310-CL and Cisco ONS 15310-MA Troubleshooting Guide* and Release 8.5.1 version of the *Cisco ONS SONET TLI Command Guide*. For the most current version of the Release Notes for Cisco ONS 15310-CL Release 8.5.3, see the following URL:

http://www.cisco.com/en/US/products/hw/optical/ps2001/prod_release_notes_list.html

Cisco also provides Bug Toolkit, a web resource for tracking defects. To access Bug Toolkit, see the following URL:

<http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>

About Release 8.5.3

Cisco ONS 15310-MA Release 8.5.3 is based on Cisco ONS 15310-MA Release 8.5.1 and not Cisco ONS 15310-MA Release 8.5.2. The Release Notes for Cisco ONS 15310-MA Release 8.5.3 contain closed (maintenance) issues and caveats found in Cisco ONS 15310-MA Release 8.5.1. Some bug fixes made in Cisco ONS 15310-MA Release 8.5.2 are not available in Cisco ONS 15310-MA Release 8.5.3 and vice versa. For detailed information on bugs fixed refer to the respective sections in this document.

Contents

[Changes to the Release Notes, page 2](#)

[Caveats, page 2](#)

[Resolved Caveats for Release 8.5.3, page 6](#)



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© 2008 Cisco Systems, Inc. All rights reserved.

[New Features and Functionality, page 8](#)

[Related Documentation, page 8](#)

[Obtaining Optical Networking Information, page 9](#)

[Obtaining Documentation and Submitting a Service Request, page 9](#)

Changes to the Release Notes

This section documents supplemental information that has been added to the *Release Notes for Cisco ONS 15454 Release 8.5.3* since the production of the Cisco ONS 15454 System Software CD for Release 8.5.3.

Caveats

Review the notes listed below before deploying the Cisco ONS 15454. Caveats with tracking numbers are known system limitations that are scheduled to be addressed in a subsequent release. Caveats without tracking numbers are provided to point out procedural or situational considerations when deploying the product.

Alarms

This section documents caveats for Alarms in Release 8.5.3.

CSCsj26750—DS1_14 card shows Act(Green) LED, instead of Fail(RED) LED

When the card type in Cisco Transport Controller is changed from DS1_14 to DS1_E1_56 with a DS1-14 physical card in the slot, the LED in DS1_14 card will show Act(Green) LED, instead of Fail(RED) LED. This issue will be resolved in a future release.

CSCsl04155—Transient alarms occur when upgrading the software

Transient alarms occur under the following conditions:

- When upgrading the software from Cisco ONS Release 4.x, 5.x, 6.x, and 7.x to Cisco ONS Release 8.5, the PMI and FDI alarms are raised. These alarms disappear after all the nodes of the network are upgraded to Cisco ONS Release 8.5.
- When upgrading the software from Cisco ONS Release 8.0 to Cisco ONS Release 8.5, the PMI, FDI, and APC-CORR-SKIP alarms are raised. These alarms disappear after all the nodes of the network are upgraded to Cisco ONS Release 8.5.

This issue will be resolved in a future release.

CSCsl57383—OPWR_LFAIL and OPWR_HFAIL alarms do not correlate the downstream alarms

The OPWR_LFAIL and OPWR_HFAIL alarms do not properly correlate the downstream alarms when Multipath Optical (MPO) ribbon connected to the ADD port is removed from the ADD circuit passing through the WXC card. This issue will be resolved in a future release.

CSCsm92317—AIS alarm on the DS1 port is not suppressed

The AIS alarm on the DS1 port is not suppressed when the circuit is OOS, MT and the DS3 port is in service. This issue will be resolved in a future release.

CSCsu47466—DS1 alarms incorrectly raised or suppressed

Alarms are incorrectly raised or suppressed against the first three DS1 ports of the WBE28/WBE84 card. The workaround is to manually edit the AdminState of the DS1 port after rebooting. This issue will be resolved in a future release.

CSCsu64887—LOS alarm remains critical on DS3 port after deleting the STS circuit on that port

The loss of signal (LOS) alarm remains critical on DS3 port(s) of DS1-28/DS3-EC1-3 and DS1-84/DS3-EC1-3 after deleting the STS circuits on those ports. The workaround is to recreate the STS circuits again on two DS3 ports (ports 2 and 3) and then delete the circuits.

CTC

This section documents caveats for CTC in Release 8.5.3.

CSCsk83405—Retrieval of OSPF diagnostics raises the OSPF Hello Fail alarm

Performing a retrieval of OSPF diagnostic information from the CTC network raises the OSPF Hello Fail alarm and the controller card is locked. This issue will be resolved in a future release.

CSCsm85843—CTC displays the STS circuit in ROLL_PENDING state when a bridge and roll is performed

The Circuit tab in CTC displays the STS circuit in the ROLL_PENDING state when a Bridge and Roll is performed under the following conditions:

1. Starting a Bridge and Roll on an STS circuit that is on the only circuit bearing port on a MRC card or a fixed rate card.
2. During a manual Bridge and Roll, performing the COMPLETE step but not the FINISH step.
3. Deleting the fixed rate card or the port or PPM on the MRC card.

The Roll object still exists on the node even though the parent object is deleted and no pool for the rollFrom Path field exists in the Roll Object database. The Circuit tab in CTC will display the circuit in the ROLL_PENDING state and the Roll tab will not have an entry to finish the roll. The workaround is to complete all the steps of the ROLL process including the FINISH step. This issue will be resolved in a future release.

CSCso08712—VCAT member cannot be put in an OOS,OOG state in an open VCAT circuit

A VCAT member cannot be put in an OOS,OOG state in an open VCAT circuit. This issue will be resolved in a future release.

CSCsq14054—CTC hangs when VCAT state changes from OOS,DSBLD to IS,AINS

CTC hangs when VCAT state transitions from OOS,DSBLD to IS,AINS. The workaround is to manually set the state for individual members. This issue will be resolved in Release 9.0.

Data I/O Cards

This section documents caveats for Data I/O Cards in Release 8.5.3.

CSCso84751—LCAS members remain in LCAS Rx DNU alarm state after XC soft reset

After XC soft resets on CE-MR-10 or CE-MR-6 cards, LCAS members may remain in a LCAS Rx DNU alarm state. This issue will be resolved in a future release.

CSCsu30587—VT members remain idle after trunk card is pulled multiple times

VT members remain idle on pulling truck cards multiple times. The workaround is to move the affected members to OOG state and then IS state. This issue will be resolved in Release 9.0.

Hardware

This section documents caveats for Hardware in Release 8.5.3.

CSCsk48116—Traffic on a CE-MR-6 card is dropped when a loopback is applied on any member of LCAS circuit

The traffic on a CE-MR-6 card is dropped when a loopback is applied on any member of the link capacity adjustment scheme (LCAS) circuit. Applying loopback potentially affects other members of the LCAS circuit as the differential delay threshold changes. This change in differential delay causes other members in the LCAS circuit to exceed the differential delay threshold raising the VCG-LOA alarm. The workaround is to assign OOS,OOG state for any member of LCAS circuit before applying loopback. This issue will be resolved in a future release.

CSCsl92447—Traffic in a split fiber circuit is dropped when the trunk port is shut down

The traffic in a split fiber circuit is dropped when the trunk port is shut down either by pulling the trunk port fiber or setting the admin state as OOS-DSBLD, and performing a soft reset on ML-MR card or hard reset on CE-MR-10 or CE-MR-6 card. This issue will be resolved in a future release.

Maintenance and Administration

This section documents caveats for Maintenance and Administration in Release 8.5.3.



Caution

VxWorks is intended for qualified Cisco personnel only. Use of VxWorks by customers is not recommended, nor is it supported by the Cisco's Technical Assistance Center. Inappropriate use of VxWorks commands can have a negative and service-affecting impact on your network. Consult the

troubleshooting guide for your release and platform for appropriate troubleshooting procedures. To exit without logging in, enter a Control-D (press the Control and D keys at the same time) at the Username prompt. To exit after logging in, type “logout” at the VxWorks shell prompt.

**Note**

Cisco Transport Planner (CTP) does not support adding or creating more than five circuits in auto-ranged provisioning. This restriction is intentional.

**Note**

In releases earlier than Cisco ONS Release 4.6, you could independently set proxy server gateway settings; however, with Cisco ONS Release 4.6.x and later, this is no longer the case. To retain the integrity of existing network configurations, settings made in a pre-4.6 release are not changed upon upgrading to Cisco ONS Release 7.x. Current settings are displayed in Cisco Transport Controller (whether they were inherited from an upgrade or they were set using the current GUI).

CSCsb88234—No plug-in message when a filler card is plugged in without prior provisioning

When a card is provisioned and a filler card is plugged in, a DBCHG with ENT-EQPT alarm is raised, but when a filler card is plugged in without a prior provision there is no plug-in message. Similarly, there is no message upon removal of the filler card. The workaround for TL1 is to issue an inventory call and the filler card appears. For Cisco Transport Controller, the card is displayed and removed when the card is removed. This issue will be resolved in a future release.

CSCsl04148—LINE-TX and LINE-RX power values for OSC-CSM card are not retrieved

When retrieving power values on Cisco Transport Controller and TL1, the LINE-TX and LINE-RX power values related to the OSC-CSM card are not retrieved. This issue will be resolved in a future release.

CSCsl04173—Active channel count is not reported correctly

When TCC is reset on a node that has either a LOS, LOS-P, or OPWR-LFAIL alarm, active channel count is not reported correctly in Cisco Transport Controller and TL1. This issue will be resolved in a future release.

CSCsu33773—STS PM counters cannot be cleared on protect STS in BLSR switched state

STS PM counters cannot be cleared on protect STS in BLSR switched state. No workaround is available for this issue. This issue will be resolved in a future release.

CSCsu62968—DS3 Port changes to IS from AINS state after soak expiry without valid input signal

DS3 ports of DS1-28/DS3-EC1-3 and DS1-84/DS3-EC1-3 cards changes from AINS to IS state after an AINS soak time expiry without valid input signal. The workaround is to manually edit the DS1 port state after rebooting, or change the state to any other state except OOS_DSBLD and then revert the state to OOS_DSBLD. This issue will be resolved in a future release.

Path Protection

This section documents caveats for Path Protection in Release 8.5.3.

CSCsl52122—Revertive path protection circuit may not switch to protected path during activation

A revertive path protection circuit may not switch to protected path during activation when the path protection selector does not detect the working path as Active even if that path has errors. This issue will be resolved in a future release.

SNMP

This section documents caveats for SNMP in Release 8.5.3.

CSCso22135—Node reboots when the snmpwalk command is executed on entPhysicalDescr, cerentEnvMonVoltage

The node may reboot when the **snmpwalk** command is executed on entPhysicalDescr, cerentEnvMonVoltage. This issue will be resolved in a future release.

TL1

This section documents caveats for TL1 in Release 8.5.3.



Note

To be compatible with TL1 and DNS, all nodes must have valid names. Node names should contain alphanumeric characters or hyphens, but no special characters or spaces.

CSCsu24438—RTRV-TH-MOD2 command for the optical ports does not retrieve any value

The RTRV-TH-MOD2 command for the optical ports does not retrieve any value when the MONTYPE specified in the command is "ALL" with the FEND location, and returns the error "/* Far End Performance Monitoring Values Not Supported */." The workaround is to use the following commands to retrieve the threshold values of the optical ports:

- RTRV-TH-MOD2::AID:1::,FEND;
- RTRV-TH-ALL:::1::,FEND;
- RTRV-TH-MOD2::AID:1::<MONTYPE>,FEND;

This issue will be resolved in a future release.

Resolved Caveats for Release 8.5.3

This section documents caveats resolved in Release 8.5.3.

Data I/O Cards

This section documents resolved caveats for Data I/O Cards in Release 8.5.3.

CSCsg35077—Cisco IOS crashes while processing malformed ISAKMP message

A device with a valid IPSec configuration that is running Cisco IOS software may crash during processing of an Internet Key Exchange (IKE) message. This issue has been resolved.

CSCsm21404—Packet loss with soft reset of CE-MR-6 or CE-MR-10 card

The traffic is affected for 1000 milliseconds when a CE-MR-6/CE-MR-10 card is soft reset after an SW-LCAS circuit is created between the CE-MR-6/CE-MR-10 card and the CE-1000-4 card. The traffic is affected for 30 milliseconds when the CE-MR-6/CE-MR-10 card is soft reset after an SW-LCAS circuit is created between the CE-1000 card and the CE-MR-6/CE-MR-10 card. This issue has been resolved.

CSCso20106—Hard reset of CTX card results in traffic loss

A hard reset of an active CTX card can result in defective members and a VCG degrade condition is raised on existing HW-LCAS circuits even after the CTX card is up. The workaround is to move defective members to OOS OOG state and back to IS state to recover bandwidth. This issue has been resolved.

CSCsq14370—ifspeed query results in incorrect value for circuit size

When queried, the ifspeed parameter returns a value of 1000 for the POS port irrespective of the circuit size provisioned on CE-MR-6 or CE-MR-10 cards. This issue has been resolved.

Maintenance and Administration

This section documents resolved caveats for Maintenance and Administration in Release 8.5.3.



Caution

VxWorks is intended for qualified Cisco personnel only. Use of VxWorks by customers is not recommended, nor is it supported by the Cisco's Technical Assistance Center. Inappropriate use of VxWorks commands can have a negative and service-affecting impact on your network. Consult the troubleshooting guide for your release and platform for appropriate troubleshooting procedures. To exit without logging in, enter a Control-D (press the Control and D keys at the same time) at the Username prompt. To exit after logging in, type "logout" at the VxWorks shell prompt.



Note

Cisco Transport Planner (CTP) does not support adding or creating more than five circuits in auto-ranged provisioning. This restriction is intentional.

**Note**

In releases earlier than Cisco ONS Release 4.6, you could independently set proxy server gateway settings; however, with Cisco ONS Release 4.6.x and later, this is no longer the case. To retain the integrity of existing network configurations, settings made in a pre-4.6 release are not changed upon upgrading to Cisco ONS Release 7.x. Current settings are displayed in Cisco Transport Controller (whether they were inherited from an upgrade or they were set using the current GUI).

CSCso02124—The 15310-MA node does not respond after exceeding netTask throttle

The Cisco ONS 15310-MA node in secure mode does not ping when more IP traffic occurs on the LAN port and after exceeding the NetTask threshold limit. This issue has been resolved.

CSCsu49095—Pointer justification counters does not increment for STS more than 4 STSs

The Pointer Justification counter does not increment for all STSs on CTX cards on the Cisco ONS 15310-MA node. This issue has been resolved.

CSCsv13893—Admin state change from IS-NR to OOS,DSBLD fails

Changing Admin State of electrical port or optical port from IS-NR to OOS, DSBLD fails. This issue has been resolved.

New Features and Functionality

No new software features are included in Release 8.5.3.

Related Documentation

This section lists release-specific and platform-specific documents.

Release-Specific Documents

- *Release Notes for the Cisco ONS 15310-MA Release 8.5.1*
- *Release Notes for the Cisco ONS 15310-CL Release 8.5.3*
- *Release Notes for the Cisco ONS 15454 SDH Release 8.5.3*
- *Release Notes for the Cisco ONS 15454 Release 8.5.3*
- *Cisco ONS 15310-MA Software Upgrade Guide, Release 8.5.x*

Platform-Specific Documents

- *Cisco ONS 15310-CL and Cisco ONS 15310-MA Procedure Guide*
Provides installation, turn up, test, and maintenance procedures

- *Cisco ONS 15310-CL and Cisco ONS 15310-MA Reference Manual*
Provides technical reference information for cards, nodes, and networks
- *Cisco ONS 15310-CL and Cisco ONS 15310-MA Troubleshooting Guide*
Provides a list of SONET alarms and troubleshooting procedures, general troubleshooting information, transient conditions, and error messages
- *Cisco ONS SONET TL1 Command Guide*
Provides a comprehensive list of TL1 commands
- *Cisco ONS SONET TL1 Reference Guide*
Provides general information, procedures, and errors for TL1
- *Cisco ONS 15310-CL and Cisco ONS 15310-MA Ethernet Card Software Feature and Configuration Guide*
Provides software feature and operation information for Ethernet cards

Obtaining Optical Networking Information

This section contains information that is specific to optical networking products. For information that pertains to all of Cisco, refer to the [Obtaining Documentation and Submitting a Service Request](#) section.

Where to Find Safety and Warning Information

For safety and warning information, refer to the *Cisco Optical Transport Products Safety and Compliance Information* document that accompanied the product. This publication describes the international agency compliance and safety information for the Cisco ONS 15454 system. It also includes translations of the safety warnings that appear in the ONS 15454 system documentation.

Cisco Optical Networking Product Documentation CD-ROM

Optical networking-related documentation, including Cisco ONS 15xxx product documentation, is available in a CD-ROM package that ships with your product. The Optical Networking Product Documentation CD-ROM is updated periodically and may be more current than printed documentation.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

CCDE, CCENT, Cisco Eos, Cisco Lumin, Cisco Nexus, Cisco StadiumVision, Cisco TelePresence, Cisco WebEx, the Cisco logo, DCE, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn and Cisco Store are service marks; and Access Registrar, Aironet, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, EtherFast, EtherSwitch, Event Center, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, iQuick Study, IronPort, the IronPort logo, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerPanels, ProConnect, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0809R)

© 2008 Cisco Systems, Inc. All rights reserved.