



# Release Notes for Cisco ONS 15310-MA Release 7.0.2

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June 2008



**Note**

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The terms "Unidirectional Path Switched Ring" and "UPSR" may appear in Cisco literature. These terms do not refer to using Cisco ONS 15xxx products in a unidirectional path switched ring configuration. Rather, these terms, as well as "Path Protected Mesh Network" and "PPMN," refer generally to Cisco's path protection feature, which may be used in any topological network configuration. Cisco does not recommend using its path protection feature in any particular topological network configuration.

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Release notes address closed (maintenance) issues, caveats, and new features for the Cisco ONS 15310-MA. For detailed information regarding features, capabilities, hardware, and software introduced with this release, refer to Release 7.0 of the *Cisco ONS 15310-CL and Cisco ONS 15310-MA Procedure Guide*, *Cisco ONS 15310-CL and Cisco ONS 15310-MA Reference Manual*, *Cisco ONS SONET TLI Command Guide*, and the *Cisco ONS 15310-CL and Cisco ONS 15310-MA Troubleshooting Guide*. For the most current version of the Release Notes for Cisco ONS 15310-MA Release 7.0.2, visit the following URL:

[http://www.cisco.com/en/US/products/hw/optical/ps2001/prod\\_release\\_notes\\_list.html](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, visit the following URL:

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

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## Changes to the Release Notes

This section documents supplemental changes that have been added to the *Release Notes for Cisco ONS 15310-MA Release 7.0.2* since the production of the Cisco ONS 15310-MA System Software CD for Release 7.0.2.

The following changes have been added to the release notes for Release 7.0.2.

## Changes to Caveats

The following caveats have been added.

[CSCse85355](#)

[CSCsd52665](#)

[CSCsd56328](#)

## Caveats

Review the notes listed below before deploying the ONS 15310-MA. 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.

## Maintenance and Administration



### Caution

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VxWorks is intended for qualified Cisco personnel only. Customer use of VxWorks is not recommended, nor is it supported by Cisco's Technical Assistance Center. Inappropriate use of VxWorks commands can have a negative and service affecting impact on your network. Please consult the troubleshooting guide for your release and platform for appropriate troubleshooting procedures. To exit without logging in, enter a Control-D (hold down 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.

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### CSCsc56694

IPPM enabled by CTC for an OCn trunk card is disabled automatically after two hours. This issue will be resolved in Release 8.0.

## Alarms

### CSCse85355

The NE should report alarms or conditions on ingress port not on any internal ports. Alarm detected at the internal ports (TERM) side will be ingress map to the MON side. So the NE raises the STS-MON/VT-MON and STS-TERM/VT-TERM alarms or conditions on the STS-MON/VT-MON ports, irrespective of the actual detection port (MON or TERM). If the user wants the customized severity to be reflected for a specific STS/VT alarms, the alarm profile entities of both STS-MON and STS-TERM, if available, should be changed to the same severity.

### CSCsd52665

The NE should report alarms or conditions on ingress port not on any internal ports. Alarm detected at the internal ports (TERM) side will be ingress map to the MON side. So the NE raises the STS-MON/VT-MON and STS-TERM/VT-TERM alarms or conditions on the STS-MON/VT-MON ports, irrespective of the actual detection port (MON or TERM). If the user wants the customized severity to be reflected for a specific STS/VT alarms, the alarm profile entities of both STS-MON and STS-TERM, if available, should be changed to the same severity.

### CSCsd56328

The NE should report alarms or conditions on ingress port not on any internal ports. Alarm detected at the internal ports (TERM) side will be ingress map to the MON side. So the NE raises the STS-MON/VT-MON and STS-TERM/VT-TERM alarms or conditions on the STS-MON/VT-MON ports, irrespective of the actual detection port (MON or TERM). If the user wants the customized severity to be reflected for a specific STS/VT alarms, the alarm profile entities of both STS-MON and STS-TERM, if available, should be changed to the same severity.

## Common Control Cards

### CSCsc52028

The CTX 2500 card does not accept more than 52 ENE sessions. Figuring 16 ENE sessions per GNE session, the expected ENE logins for 7 GNE sessions is 112, whereas the CTX 2500 accepts only 52. This issue will be resolved in Release 8.0.

## Alarms

### CSCse85355

After setting the alarm profile to report UNEQ-V as CR, the alarm still reports as the default, MJ, in some instances. To see this, on a single ONS 15310-MA create a path protection VT circuit using a single source with a primary and secondary destination to create the path selector. Inject UNEQ-V into the protect path (for example, CTX2). This declares a minor UNEQ-V. Now inject UNEQ-V into the working path (for example, CTX1). A major UNEQ-V will be declared, rather than the CR that the alarm

profile is set to. If the UNEQ-V is injected into the working path first, then into the protect path, a CR UNEQ-V will be declared and is correct. The workaround is to apply profiles for UNEQ-V monitor and UNEQ-V term that both have the same severity desired. This issue will be resolved in a future release.

## TL1

**Note**

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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.

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### CSCsc51017

When multiple TL1 GNE and ENE sessions are created on a 30+ node network, some of the TL1 sessions might continue to be displayed in the user login pane under the network view, even when the sessions have been closed. If this occurs, restart CTC. This issue will be resolved in a future release.

## Resolved Caveats for Release 7.0.x

The following items resolved in Release 7.0.x.

### Electrical IO Cards

#### CSCsd59042

When upgrading the software from Release 6.x.x to Release 7.x.x, the DS3 and EC1-12 cards fail to load if the node name begins with the letters FL. Changing the node name resolves this issue.

## New Features and Functionality

The following feature has been added to the ONS 15310-MA for Release 7.0.2.

### Daylight Savings Time Support

With Release 7.0.2 CTC and TL1 display daylight savings time (DST) in keeping with the new DST rules applicable from 2007 forward. As described in the change in energy policy for the United States of America (USA), the DST start date will be the 2nd Sunday of March and the DST end date will be 1st Sunday of November.

## Related Documentation

### Release-Specific Documents

- *Release Notes for the Cisco ONS 15310-CL Release 7.0*
- *Release Notes for the Cisco ONS 15310-CL Release 7.0.x*
- *Release Notes for the Cisco ONS 15454 SDH Release 7.0.x*
- *Release Notes for the Cisco ONS 15327 Release 7.0.x*
- *Release Notes for the Cisco ONS 15600 Release 7.0.x*
- *Release Notes for the Cisco ONS 15454 Release 7.0.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 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.

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

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