



# Release Notes for Cisco ONS 15305 Release 1.0

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## June, 2003

Release notes address closed (maintenance) issues, caveats, and new features for the Cisco ONS 15305. For detailed information regarding features, capabilities, hardware, and software introduced with this release, refer to Release 1.0 of the *Cisco ONS 15305 Installation and Operations Guide*. For the most current version of the Release Notes for Cisco ONS 15305 Release 1.0, 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://www.cisco.com/cgi-bin/Support/Bugtool/launch\\_bugtool.pl](http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl)

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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 15305 Release 1.0* since the production of the Cisco ONS 15305 System Software CD for Release 1.0.

The following changes have been added to the release notes for Release 1.0.

## Caveats Added

The following caveats have been added.

[DDTS # CSCeb22543, page 2](#)

[DDTS # CSCea71600, page 2](#)

## Caveats

Review the notes listed below before deploying the ONS 15305. Caveats with DDTS tracking numbers are known system limitations that are scheduled to be addressed in a subsequent release. Caveats without DDTS tracking numbers are provided to point out procedural or situational considerations when deploying the product.

### DDTS # CSCeb22543

On 8xSTM1 cards there may be packet losses for LAN traffic mapped on STM1, and "DXC inlet bit error alarm" conditions may be raised, when 8xSTM1 cards are exposed to extreme temperature cycles (-5 to 50°C with 2 hours dwell at each extreme temperature, and 1°C/min gradients). The packet losses and raised condition can occur on the 8STM1 card. This only occurs under temperature stress. The frequency with which the issue has been observed is an average of 10 packets lost, and less than 100 alarms recorded in a 12 hours cycle. No failures have been detected in nominal conditions.

### DDTS # CSCea71600

When power cycling (power on/off at different temperatures) the 8xSTM1 card, the card may fail to recover operation after the power on/off, and may remain in an alarmed state without carrying traffic. In this case the card indicates "DXC inlet failure alarm." The card's LED will also be red. The card recovers normal operation after a software reset. This issue occurs approximately one out of every 20 power on/off's.

### DDTS # CSCea34055

When a module with one or more Ethernet switches is hot-inserted in a free slot of the ONS 15305, some packet loss may occur for any IP traffic currently being forwarded by other modules already present in the ONS 15305. This issue will be resolved in a future release.

## DDTS # CSCea34421

Multicast BPDU packets are mistakenly forwarded when spanning tree is disabled. This issue will be resolved in a future release.

## DDTS # CSCeb19897

When multiple VC12 containers used by the same Ethernet circuit take different paths in an SDH network, the 6.5 ms tolerance to delay between the separately routed packets does not work properly and 25-30% of the traffic may be lost. This issue will be resolved in a future release.

## DDTS # CSCea31245

If you send 100 MB from two ports to a single port (for example, to test flow control), 64 byte packets are lost. If you increase the size to 75 bytes, packets are no longer lost. This type of traffic is not, however, typical for a device in normal operation. This issue will be resolved in a future release.

## DDTS # CSCea33042

Same priority and same packet size may yield different traffic flows. When four streams are set up and each has the same packet size (64 byte) going across a 100 MB STM-1 path to another ONS 15305, each of the streams can be off as much as 50%. This is not always the case, however. Sometimes the traffic can be equally distributed. Using random packet sizes, the distribution tends to be more equal. This type of traffic is not typical for a device in normal operation; however, the issue can occur in a lab test. This issue will be resolved in a future release.

## DDTS # CSCea33354

If a mirrored port becomes congested and flow control is enabled, no pause packets are generated toward ports belonging to other modules. Flow control fails when ports used for mirroring become congested. If traffic to a mirrored port is sent from a LAN port situated in a different module from that of the mirrored port, pause packets are not received and mirrored packets are lost. Actual traffic flow is not disturbed by the mirrored port flow control problem, and the copy port traffic is handled correctly. This issue will be resolved in a future release.

## Resolved Caveats for Release 1.0

Because Release 1.0 is a first release, there are no resolved caveats.

## New Features and Functionality

This section highlights new features and functionality for Release 1.0. Because Release 1.0 is a first release, there are no new features or functionality. For an overview of features of the 15305, consult the *Cisco ONS 15305 Installation and Operations Guide*, Release 1.0.

# Related Documentation

## Release-Specific Documents

None.

## Platform-Specific Documents

- *Cisco ONS 15305 Quick Installation Guide*, Release 1.0
- *Cisco ONS 15305 Installation and Operations Guide*, Release 1.0
- *Cisco Edge Craft, Software Guide*

# Obtaining Documentation

The following sections provide sources for obtaining documentation from Cisco Systems.

## World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following sites:

- <http://www.cisco.com>
- <http://www-china.cisco.com>
- <http://www-europe.cisco.com>

## Documentation CD-ROM

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

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[http://www.cisco.com/cgi-bin/order/order\\_root.pl](http://www.cisco.com/cgi-bin/order/order_root.pl)
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:  
<http://www.cisco.com/go/subscription>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, in North America, by calling 800 553-NETS(6387).

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170 West Tasman Drive  
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We appreciate your comments.

## Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools. For Cisco.com registered users, additional troubleshooting tools are available from the TAC website.

### Cisco.com

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<http://www.cisco.com>

## Technical Assistance Center

The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

## Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website:

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

P3 and P4 level problems are defined as follows:

- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for Cisco.com, go to the following website:

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

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at the following website:

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

## Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to the following website:

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

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.

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