



# Release Notes for Cisco Metro 1500 Series

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## CCO Date: 10/2/2000

These release notes describe last minute changes or additions to the Cisco Metro 1500 series metropolitan area network (MAN) dense wavelength division multiplexing (DWDM) documentation set.



### Caution

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We strongly recommend that you read these release notes before using your Cisco Metro 1500 series system or upgrading your software.

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### Note

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Although the software image in a new Cisco Metro 1500 series system operates correctly, later software images containing the latest upgrades and modifications are released regularly to provide you with the most optimized software available. We strongly recommend that you check for the latest released software images at the World Wide Web locations listed in the “Cisco Connection Online” section on page 5.

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# New and Changed Information

The following sections provide new and changed information regarding the operation of the Cisco Metro 1500 series system.

## Default Password

The default password for the root, netadmin, ppp, and user accounts is **ChgMeNOW**. For security reasons, you should change all four account passwords as soon as possible. Log in as **root** and use the **password** command to change the passwords for all the accounts.

If you do not receive a password prompt, then an unsupported adapter is being used to connect to the Cisco Metro 1500 serial port. Use only the DB-9 to RJ-45 adapter that shipped with the unit.

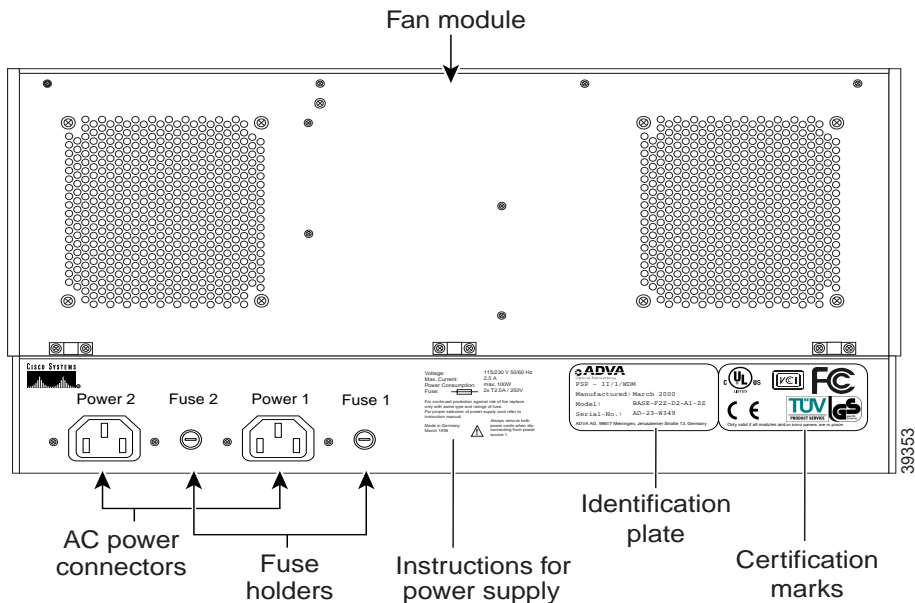
## Changes to the Operations Guide

The following changes to the chassis and the wavelength channel module (WCM) specifications affect the *Cisco Metro 1500 Series Operations Guide*.

## Updated Rear View of the Chassis

On page 2-9 and page 4-20, the rear-view illustration of the chassis have been updated to reflect a design change. Figure 1 shows an updated rear view of the chassis.

*Figure 1 Updated Rear View of the Cisco Metro 1500 Series Chassis*



## Updated WCM Specifications

The following changes affect Chapter 9 of the *Cisco Metro 1500 Series Operations Guide*:

- The Cisco Metro 1500 series system does not support the use of standard reach lasers. The specifications provided for the transmitter output power, link loss budget, and calculated link distance of the WCMs pertain only to the extended category and not to the standard category.
- In Table 9-2 and Table 9-3, the data rate range should be 10 to 200 Mbps and not 100 to 200 Mbps.

## New High-Speed 850-nm Multiclock WCM

A new wavelength channel module is now available. This WCM operates with a transmitter wavelength of 830-nm to 860-nm. Table 1 describes the specifications of the High-Speed 850-nm multiclock WCM:

**Table 1 High-Speed 850-nm WCM Specifications**

Specification	Description
<b>Data Rate</b>	
Rates	1062.5 Mbps, 1250 Mbps
<b>Local Link Ports</b>	
Transmitter wavelength	830 to 860 nm
Receiver wavelength	770 to 860 nm
Receiver dynamic range	-3.0 to -17.0 dBm
Transmitter output power	0.0 to -9.0 dBm
Fiber type	Multimode
Link distance	0.2 km (multimode)
Connector type	MiniSC
<b>Remote Link Ports of WDM Channel Module</b>	
Wavelength	ITU-T <sup>1</sup> G.692; 200-GHz channel spacing
<b>Transmitter Output Power (measured at WCM output)</b>	
Extended	6.0 to 3.0 dBm
<b>Remote Link Budget for 32 Channel System</b>	
Link loss budget for 32-channel system with BSM but without RSM	7 to 22 dB
Link loss budget for 32-channel system with BSM and with RSM	1 to 15 dB
Calculated link distance (with 1550-nm range) with BSM but without RSM	Up to 43.49 miles (70 km)
Calculated link distance (with 1550-nm range) with BSM and with RSM	Up to 31.07 miles (50 km)
Connector type	MiniSC
<b>System Performance</b>	
Bit error rate	$\leq 10^{-12}$

*Table 1 High-Speed 850-nm WCM Specifications (continued)*

Specification	Description
Applications	
Supported applications	Gigabit Ethernet, fiber channel

1. ITU-T=International Telecommunication Union Telecommunication Standardization Sector.

## Caveats

This section describes open caveats in the Cisco Metro 1500 series system.

If you hot swap the network element management interface (NEMI) module in a Cisco Metro 1500 series system, the **metro1500PSTable** entry in the SNMP table does not display “ON”. This error is intermittent; it does not happen each time you hot swap a NEMI. As a workaround, wait for some time until the SNMP daemon polls all the entries. (CSCdr00712)

## Related Documentation

The following documents are available for the Cisco Metro 1500 series system:

- *Cisco Metro 1500 Series Management Guide*  
Customer order number DOC-7810590=
- *Cisco Metro 1500 Series Operations Guide*  
Customer order number DOC-7810588=
- *Cisco Metro 1500 Series Spares Installation Note*  
Customer order number DOC-7810595=
- *Cisco Metro 1500 Series Optical Isolator Configuration Note*  
Customer order number DOC-7811158=

See the “Obtaining Documentation” section on page 4.

## Obtaining Documentation

### World Wide Web

You can access the most current Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <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. Therefore, it is probably more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

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- Telnet: [cco.cisco.com](telnet://cco.cisco.com)
- Modem using standard connection rates and the following terminal settings: VT100 emulation; 8 data bits; no parity; and 1 stop bit.
  - From North America, call 408 526-8070
  - From Europe, call 33 1 64 46 40 82

You can e-mail questions about using CCO to [cco-team@cisco.com](mailto:cco-team@cisco.com).

## Technical Assistance Center

The Cisco Technical Assistance Center (TAC) is available to warranty or maintenance contract customers who need technical assistance with a Cisco product that is under warranty or covered by a maintenance contract.

To display the TAC web site that includes links to technical support information and software upgrades and for requesting TAC support, use [www.cisco.com/techsupport](http://www.cisco.com/techsupport).

To contact by e-mail, use one of the following:

Language	E-mail Address
English	<a href="mailto:tac@cisco.com">tac@cisco.com</a>
Hanzi (Chinese)	<a href="mailto:chinese-tac@cisco.com">chinese-tac@cisco.com</a>
Kanji (Japanese)	<a href="mailto:japan-tac@cisco.com">japan-tac@cisco.com</a>
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Spanish	<a href="mailto:tac@cisco.com">tac@cisco.com</a>
Thai	<a href="mailto:thai-tac@cisco.com">thai-tac@cisco.com</a>

In North America, TAC can be reached at 800 553-2447 or 408 526-7209. For other telephone numbers and TAC e-mail addresses worldwide, consult the following web site:  
<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>.

This document is to be used in conjunction with the documents listed in the "Related Documentation" section.

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