# Cisco ONS 15327 Release 4.6 Network Element Defaults

This document describes the factory-configured (default) network element (NE) settings for the Cisco ONS 15327. It includes descriptions of card default settings and node default settings and provides procedures for importing, exporting and editing the settings. Cards supported by this platform that are not listed in this document are not supported by factory-configured NE default settings.

To change card settings individually (that is, without changing the defaults), refer to the Change Card Settings chapter of the *Cisco ONS 15327 Procedure Guide*. To change node settings, refer to the Change Node Settings chapter of the *Cisco ONS 15327 Procedure Guide*.

**Note** 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.

This document contains the following sections and procedures:




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# Network Element Defaults Description

The NE defaults are pre-installed on each Cisco ONS 15327 XTC card. They also ship as a file called 15327-defaults.txt on the CTC software CD in case you want to import the defaults onto existing XTC cards. The NE defaults include card-level and node-level defaults.

Changes made manually using Change Card Settings procedures in the *Cisco ONS 15327 Procedure Guide* override default settings. If you use the Defaults Editor or import a new defaults file, the default changes do not change the settings for cards that are currently installed, or for slots that are pre-provisioned for cards.

Changes made manually to most node-level default settings (either when you initially turn up a node or change node settings later) override the current settings, whether default or provisioned. If you change the default settings, either by using the Defaults Editor or by importing a new defaults file, the new defaults take effect immediately for all settings except those relating to protection (1+1 bidirectional switching, 1+1 reversion time, 1+1 revertive, BLSR ring reversion time, BLSR ring revertive, BLSR span reversion time, BLSR span revertive).

**Note** Changing the IIOP listener port in the NE defaults requires a reboot of the node in order for the default change to occur. Use caution when changing this default setting.

Use the following procedures if you need to edit, import, or export NE defaults.

# NTP-B236 Edit Network Element Defaults

| | |
|---|---|
| **Purpose** | This procedure edits the NE defaults using the NE Defaults Editor. The new defaults can either be applied only to the node on which they are edited or exported to a file and imported for use on other nodes. |
| **Tools/Equipment** | None |
| **Prerequisite Procedures** | None |
| **Required/As Needed** | As needed |
| **Onsite/Remote** | Onsite or remote |
| **Security Level** | Superuser only |

**Step 1** Log into CTC at the node where you want to edit NE defaults. Refer to the *Cisco ONS 15327 Procedure Guide* for login procedures.

**Step 2** Click the **Provisioning > Defaults** tabs.

**Step 3** Under Defaults Selector, choose a card type (if editing card-level defaults), **CTC** (if editing CTC defaults), or **NODE** (if editing node-level defaults). Clicking on the node name (at the top of the Defaults Selector column) lists all available NE defaults in the Default Name column. To selectively display just the defaults for a given card type, for node-level, or for CTC-level, you can drill down the Defaults Selector menu structure.

**Step 4** Locate a default you want to change under Default Name.

**Step 5** Click in the **Default Value** column for the default property you are changing and either choose a value from the drop-down menu (when available), or type in the desired new value.

**Note** If you click **Reset** before you click **Apply**, all values will return to their original settings.

**Step 6** Click **Apply** (click in the **Default Name** column to activate the Apply button if it is unavailable). You can modify multiple default values before applying the changes.

A pencil icon will appear next to any default value that will be changed as a result of editing the defaults file.

**Step 7** If you are modifying node-level defaults, a dialog box appears telling you that applying defaults for node level attributes overrides current provisioning and asks if you want to continue. Click **Yes**.

If you are modifying the IIOP Listener Port setting, a dialog box appears warning you that the node will reboot and asks if you want to continue. Click **Yes**.

**Note** Changes to node settings take effect when you click **Apply**. Changes to the IIOP Listener Port setting reboots the XTC. Changes made to card settings using the Defaults Editor do not change the settings for cards that are currently installed or slots that are pre-provisioned for cards. Card settings must be manually changed by opening the cards (or pre-provisioned card slot). For procedures to change card settings, refer to the Change Card Settings chapter of the *Cisco ONS 15327 Procedure Guide*.

**Stop. You have completed this procedure.**

# NTP-B165 Import Network Element Defaults

| | |
|---|---|
| **Purpose** | This procedure imports the NE defaults using the NE Defaults Editor. The defaults can either be imported from the CTC software CD (factory defaults) or from a customized file exported and saved from a node. |
| **Tools/Equipment** | None |
| **Prerequisite Procedures** | None |
| **Required/As Needed** | As needed |
| **Onsite/Remote** | Onsite or remote |
| **Security Level** | Superuser only |

**Step 1** Log into CTC at the node where you want to edit NE defaults. Refer to the *Cisco ONS 15327 Procedure Guide* for login procedures.

**Step 2** Click the **Provisioning** > **Defaults** tabs.

**Step 3** Click **Import**.

**Step 4** Click **Browse** and browse to the file you are importing if the correct file name and location of the desired file do not appear in the Import Defaults from File dialog box.

**Step 5** When the correct file name and location appear in the dialog box (the correct file name is 15327-defaults.txt if you are importing the factory defaults), click **OK**.

A pencil icon will appear next to any default value that will be changed as a result of importing the new defaults file.

**Step 6** Click **Apply**.

**Step 7** If the imported file fails to pass all edits, the problem field shows the first encountered problem default value that must be fixed. Change the problem default value and click **Apply**. Repeat until the imported file passes all edits successfully.

**Step 8** If you are modifying node-level defaults, a dialog box appears telling you that applying defaults for node level attributes overrides current provisioning and asks if you want to continue. Click **Yes**.

If you are modifying the IIOP Listener Port setting, a dialog box appears warning you that the node will reboot and asks if you want to continue. Click **Yes**.

**Note** Changes to node settings take effect when you click **Apply**. Changes to the IIOP Listener Port setting reboots the XTC. Changes made to card settings using the Defaults Editor do not change the settings for cards that are currently installed or slots that are pre-provisioned for cards. Card settings must be manually changed by opening the cards (or pre-provisioned card slot). For procedures to change card settings, refer to the Change Card Settings chapter of the *Cisco ONS 15327 Procedure Guide*.

**Stop. You have completed this procedure.**

# NTP-B166 Export Network Element Defaults

| | |
|---|---|
| **Purpose** | This procedure exports the NE defaults using the NE Defaults Editor. The exported defaults can be imported to other nodes. |
| **Tools/Equipment** | None |
| **Prerequisite Procedures** | None |
| **Required/As Needed** | As needed |
| **Onsite/Remote** | Onsite or remote |
| **Security Level** | Superuser only |

**Note** The defaults currently displayed are exported whether or not they have been applied to the current node.

**Note** The NE defaults can also be exported from the File > Export menu. These exported defaults are for reference only and cannot be imported.

**Step 1** Log into CTC at the node where you want to edit NE defaults. Refer to the *Cisco ONS 15327 Procedure Guide* for login procedures.

**Step 2** Click the **Provisioning > Defaults** tabs.

**Step 3** Click **Export**.

**Step 4** Click **Browse** and browse to the location where you want to export the file if it does not appear in the Export Defaults to File dialog box.

**Step 5** Change the file name to something easy to remember (the file name has no extension).

**Step 6** Click **OK**.

**Stop. You have completed this procedure.**

# Card Default Settings

The tables in this section list the default settings for each card. Cisco provides settings that are pre-provisioned for the Cisco ONS 15327 optical and electrical cards, including:

- Soak Time (all cards) is the length of time that elapses between an AINS port receiving a valid signal and when it automatically changes to in-service status.
- Line Coding (XTCDS1 cards) defines the DS-1 transmission coding type that is used.
- Line Length (XTCDS1 and XTCDS3 cards) defines the distance (in feet) from the backplane connection to the next termination point.
- Line Type (XTCDS1 and XTCDS3 cards) defines the type of framing used.
- Port State (all cards) sets the port to one of the four available states (IS, OOS, OOS_MT, or OOS_AINS), depending on whether you need ports in or out of service.
- SF BER Level (OC-N cards) defines the signal fail bit error rate.
- SD BER Level (OC-N cards) defines the signal degrade bit error rate.
- Enable Sync Messages (OC-N cards) enables synchronization status messages (S1 byte), which allow the node to choose the best timing source.
- PJ STS Mon (OC-N cards) sets the STS that will be used for pointer justification. If set to 0, no STS is monitored.
- STS IPPM Enabled (OC-N cards) enables intermediate-path performance monitoring on a node for transparent monitoring of a channel that does not terminate on that node.
- Send Do Not Use (OC-N cards) sends a DUS message on the S1 byte when enabled.
- PM Threshold Settings (all cards) set the performance monitoring parameters for gathering performance data and detecting problems early.

**Note** For more information about the performance monitoring parameters, refer to the *Cisco ONS 15327 Reference Manual*.

## XTCDS-1 Card Default Settings

Table 1 lists the XTCDS-1 card default settings.

***Table 1 XTCDS-1 Card Default Settings***

| Default Name | Default Value |
|---|---|
| XTCDS1.config.AINSSoakTime | 08\:00 |
| XTCDS1.config.LineCoding | AMI |
| XTCDS1.config.LineLength | 0-131 |

*Table 1 XTCDS-1 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| XTCDS1.config.LineType | D4 |
| XTCDS1.config.State | OOS |
| XTCDS1.pmthresholds.line.farend.15min.ES | 65 |
| XTCDS1.pmthresholds.line.farend.1day.ES | 648 |
| XTCDS1.pmthresholds.line.nearend.15min.CV | 13340 |
| XTCDS1.pmthresholds.line.nearend.15min.ES | 65 |
| XTCDS1.pmthresholds.line.nearend.15min.LOSS | 10 |
| XTCDS1.pmthresholds.line.nearend.15min.SES | 10 |
| XTCDS1.pmthresholds.line.nearend.1day.CV | 133400 |
| XTCDS1.pmthresholds.line.nearend.1day.ES | 648 |
| XTCDS1.pmthresholds.line.nearend.1day.LOSS | 10 |
| XTCDS1.pmthresholds.line.nearend.1day.SES | 100 |
| XTCDS1.pmthresholds.path.farend.15min.CSS | 25 |
| XTCDS1.pmthresholds.path.farend.15min.CV | 13296 |
| XTCDS1.pmthresholds.path.farend.15min.ES | 65 |
| XTCDS1.pmthresholds.path.farend.15min.ESA | 25 |
| XTCDS1.pmthresholds.path.farend.15min.ESB | 25 |
| XTCDS1.pmthresholds.path.farend.15min.SEFS | 25 |
| XTCDS1.pmthresholds.path.farend.15min.SES | 10 |
| XTCDS1.pmthresholds.path.farend.15min.UAS | 10 |
| XTCDS1.pmthresholds.path.farend.1day.CSS | 25 |
| XTCDS1.pmthresholds.path.farend.1day.CV | 132960 |
| XTCDS1.pmthresholds.path.farend.1day.ES | 648 |
| XTCDS1.pmthresholds.path.farend.1day.ESA | 25 |
| XTCDS1.pmthresholds.path.farend.1day.ESB | 25 |
| XTCDS1.pmthresholds.path.farend.1day.SEFS | 25 |
| XTCDS1.pmthresholds.path.farend.1day.SES | 100 |
| XTCDS1.pmthresholds.path.farend.1day.UAS | 10 |
| XTCDS1.pmthresholds.path.nearend.15min.AISS | 10 |
| XTCDS1.pmthresholds.path.nearend.15min.CV | 13296 |
| XTCDS1.pmthresholds.path.nearend.15min.ES | 65 |
| XTCDS1.pmthresholds.path.nearend.15min.SAS | 2 |
| XTCDS1.pmthresholds.path.nearend.15min.SES | 10 |
| XTCDS1.pmthresholds.path.nearend.15min.UAS | 10 |
| XTCDS1.pmthresholds.path.nearend.1day.AISS | 10 |
| XTCDS1.pmthresholds.path.nearend.1day.CV | 132960 |

*Table 1 XTCDS-1 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| XTCDS1.pmthresholds.path.nearend.1day.ES | 648 |
| XTCDS1.pmthresholds.path.nearend.1day.SAS | 17 |
| XTCDS1.pmthresholds.path.nearend.1day.SES | 100 |
| XTCDS1.pmthresholds.path.nearend.1day.UAS | 10 |
| XTCDS1.pmthresholds.sts.farend.15min.CV | 15 |
| XTCDS1.pmthresholds.sts.farend.15min.ES | 12 |
| XTCDS1.pmthresholds.sts.farend.15min.FC | 10 |
| XTCDS1.pmthresholds.sts.farend.15min.SES | 3 |
| XTCDS1.pmthresholds.sts.farend.15min.UAS | 10 |
| XTCDS1.pmthresholds.sts.farend.1day.CV | 125 |
| XTCDS1.pmthresholds.sts.farend.1day.ES | 100 |
| XTCDS1.pmthresholds.sts.farend.1day.FC | 10 |
| XTCDS1.pmthresholds.sts.farend.1day.SES | 7 |
| XTCDS1.pmthresholds.sts.farend.1day.UAS | 10 |
| XTCDS1.pmthresholds.sts.nearend.15min.CV | 15 |
| XTCDS1.pmthresholds.sts.nearend.15min.ES | 12 |
| XTCDS1.pmthresholds.sts.nearend.15min.FC | 10 |
| XTCDS1.pmthresholds.sts.nearend.15min.SES | 3 |
| XTCDS1.pmthresholds.sts.nearend.15min.UAS | 10 |
| XTCDS1.pmthresholds.sts.nearend.1day.CV | 125 |
| XTCDS1.pmthresholds.sts.nearend.1day.ES | 100 |
| XTCDS1.pmthresholds.sts.nearend.1day.FC | 10 |
| XTCDS1.pmthresholds.sts.nearend.1day.SES | 7 |
| XTCDS1.pmthresholds.sts.nearend.1day.UAS | 10 |
| XTCDS1.pmthresholds.vt.farend.15min.CV | 15 |
| XTCDS1.pmthresholds.vt.farend.15min.ES | 12 |
| XTCDS1.pmthresholds.vt.farend.15min.SES | 3 |
| XTCDS1.pmthresholds.vt.farend.15min.UAS | 10 |
| XTCDS1.pmthresholds.vt.farend.1day.CV | 125 |
| XTCDS1.pmthresholds.vt.farend.1day.ES | 100 |
| XTCDS1.pmthresholds.vt.farend.1day.SES | 7 |
| XTCDS1.pmthresholds.vt.farend.1day.UAS | 10 |
| XTCDS1.pmthresholds.vt.nearend.15min.CV | 15 |
| XTCDS1.pmthresholds.vt.nearend.15min.ES | 12 |
| XTCDS1.pmthresholds.vt.nearend.15min.SES | 3 |
| XTCDS1.pmthresholds.vt.nearend.15min.UAS | 10 |

*Table 1 XTCDS-1 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| XTCDS1.pmthresholds.vt.nearend.1day.CV | 125 |
| XTCDS1.pmthresholds.vt.nearend.1day.ES | 100 |
| XTCDS1.pmthresholds.vt.nearend.1day.SES | 7 |
| XTCDS1.pmthresholds.vt.nearend.1day.UAS | 10 |

# XTCDS-3 Card Default Settings

Table 2 lists the XTCDS-3 card default settings.

*Table 2 XTCDS-3 Card Default Settings*

| Default Name | Default Value |
|---|---|
| XTCDS3.config.AINSSoakTime | 08\:00 |
| XTCDS3.config.LineLength | 0-225 |
| XTCDS3.config.State | OOS |
| XTCDS3.pmthresholds.line.nearend.15min.CV | 387 |
| XTCDS3.pmthresholds.line.nearend.15min.ES | 25 |
| XTCDS3.pmthresholds.line.nearend.15min.LOSS | 10 |
| XTCDS3.pmthresholds.line.nearend.15min.SES | 4 |
| XTCDS3.pmthresholds.line.nearend.1day.CV | 3865 |
| XTCDS3.pmthresholds.line.nearend.1day.ES | 250 |
| XTCDS3.pmthresholds.line.nearend.1day.LOSS | 10 |
| XTCDS3.pmthresholds.line.nearend.1day.SES | 40 |
| XTCDS3.pmthresholds.sts.farend.15min.CV | 15 |
| XTCDS3.pmthresholds.sts.farend.15min.ES | 12 |
| XTCDS3.pmthresholds.sts.farend.15min.FC | 10 |
| XTCDS3.pmthresholds.sts.farend.15min.SES | 3 |
| XTCDS3.pmthresholds.sts.farend.15min.UAS | 10 |
| XTCDS3.pmthresholds.sts.farend.1day.CV | 125 |
| XTCDS3.pmthresholds.sts.farend.1day.ES | 100 |
| XTCDS3.pmthresholds.sts.farend.1day.FC | 10 |
| XTCDS3.pmthresholds.sts.farend.1day.SES | 7 |
| XTCDS3.pmthresholds.sts.farend.1day.UAS | 10 |
| XTCDS3.pmthresholds.sts.nearend.15min.CV | 15 |
| XTCDS3.pmthresholds.sts.nearend.15min.ES | 12 |
| XTCDS3.pmthresholds.sts.nearend.15min.FC | 10 |
| XTCDS3.pmthresholds.sts.nearend.15min.SES | 3 |

*Table 2 XTCDS-3 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| XTCDS3.pmthresholds.sts.nearend.15min.UAS | 10 |
| XTCDS3.pmthresholds.sts.nearend.1day.CV | 125 |
| XTCDS3.pmthresholds.sts.nearend.1day.ES | 100 |
| XTCDS3.pmthresholds.sts.nearend.1day.FC | 10 |
| XTCDS3.pmthresholds.sts.nearend.1day.SES | 7 |
| XTCDS3.pmthresholds.sts.nearend.1day.UAS | 10 |

# XTCDS-N Card Default Settings

Table 3 lists the XTCDS-N card default settings.

*Table 3 XTCDS-N Card Default Settings*

| Default Name | Default Value |
|---|---|
| XTCDSN.config.SDBER | 1E-7 |
| XTCDSN.config.SFBER | 1E-4 |

# OC-3 Card Default Settings

Table 4 lists the OC-3 card default settings.

*Table 4 OC-3 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC3.config.line.AINSSoakTime | 08\:00 |
| OC3.config.line.EnableSyncMsg | TRUE |
| OC3.config.line.PJStsMon\# | 0 |
| OC3.config.line.SDBER | 1E-7 |
| OC3.config.line.SFBER | 1E-4 |
| OC3.config.line.SendDoNotUse | FALSE |
| OC3.config.line.State | OOS |
| OC3.config.sts.IPPMEnabled | FALSE |
| OC3.pmthresholds.line.farend.15min.CV | 1312 |
| OC3.pmthresholds.line.farend.15min.ES | 87 |
| OC3.pmthresholds.line.farend.15min.FC | 10 |
| OC3.pmthresholds.line.farend.15min.SES | 1 |
| OC3.pmthresholds.line.farend.15min.UAS | 3 |
| OC3.pmthresholds.line.farend.1day.CV | 13120 |
| OC3.pmthresholds.line.farend.1day.ES | 864 |

*Table 4 OC-3 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC3.pmthresholds.line.farend.1day.FC | 40 |
| OC3.pmthresholds.line.farend.1day.SES | 4 |
| OC3.pmthresholds.line.farend.1day.UAS | 10 |
| OC3.pmthresholds.line.nearend.15min.CV | 1312 |
| OC3.pmthresholds.line.nearend.15min.ES | 87 |
| OC3.pmthresholds.line.nearend.15min.FC | 10 |
| OC3.pmthresholds.line.nearend.15min.PSC | 1 |
| OC3.pmthresholds.line.nearend.15min.PSD | 300 |
| OC3.pmthresholds.line.nearend.15min.SES | 1 |
| OC3.pmthresholds.line.nearend.15min.UAS | 3 |
| OC3.pmthresholds.line.nearend.1day.CV | 13120 |
| OC3.pmthresholds.line.nearend.1day.ES | 864 |
| OC3.pmthresholds.line.nearend.1day.FC | 40 |
| OC3.pmthresholds.line.nearend.1day.PSC | 5 |
| OC3.pmthresholds.line.nearend.1day.PSD | 600 |
| OC3.pmthresholds.line.nearend.1day.SES | 4 |
| OC3.pmthresholds.line.nearend.1day.UAS | 10 |
| OC3.pmthresholds.section.nearend.15min.CV | 10000 |
| OC3.pmthresholds.section.nearend.15min.ES | 500 |
| OC3.pmthresholds.section.nearend.15min.SEFS | 500 |
| OC3.pmthresholds.section.nearend.15min.SES | 500 |
| OC3.pmthresholds.section.nearend.1day.CV | 100000 |
| OC3.pmthresholds.section.nearend.1day.ES | 5000 |
| OC3.pmthresholds.section.nearend.1day.SEFS | 5000 |
| OC3.pmthresholds.section.nearend.1day.SES | 5000 |
| OC3.pmthresholds.sts1.nearend.15min.CV | 15 |
| OC3.pmthresholds.sts1.nearend.15min.ES | 12 |
| OC3.pmthresholds.sts1.nearend.15min.FC | 10 |
| OC3.pmthresholds.sts1.nearend.15min.NPJC-PDET | 60 |
| OC3.pmthresholds.sts1.nearend.15min.NPJC-PGEN | 60 |
| OC3.pmthresholds.sts1.nearend.15min.PJCDIFF | 0 |
| OC3.pmthresholds.sts1.nearend.15min.PJCS-PDET | 0 |
| OC3.pmthresholds.sts1.nearend.15min.PJCS-PGEN | 0 |
| OC3.pmthresholds.sts1.nearend.15min.PPJC-PDET | 60 |
| OC3.pmthresholds.sts1.nearend.15min.PPJC-PGEN | 60 |
| OC3.pmthresholds.sts1.nearend.15min.SES | 3 |

*Table 4 OC-3 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC3.pmthresholds.sts1.nearend.15min.UAS | 10 |
| OC3.pmthresholds.sts1.nearend.1day.CV | 125 |
| OC3.pmthresholds.sts1.nearend.1day.ES | 100 |
| OC3.pmthresholds.sts1.nearend.1day.FC | 10 |
| OC3.pmthresholds.sts1.nearend.1day.NPJC-PDET | 5760 |
| OC3.pmthresholds.sts1.nearend.1day.NPJC-PGEN | 5760 |
| OC3.pmthresholds.sts1.nearend.1day.PJCDIFF | 0 |
| OC3.pmthresholds.sts1.nearend.1day.PJCS-PDET | 0 |
| OC3.pmthresholds.sts1.nearend.1day.PJCS-PGEN | 0 |
| OC3.pmthresholds.sts1.nearend.1day.PPJC-PDET | 5760 |
| OC3.pmthresholds.sts1.nearend.1day.PPJC-PGEN | 5760 |
| OC3.pmthresholds.sts1.nearend.1day.SES | 7 |
| OC3.pmthresholds.sts1.nearend.1day.UAS | 10 |
| OC3.pmthresholds.sts3c.nearend.15min.CV | 25 |
| OC3.pmthresholds.sts3c.nearend.15min.ES | 20 |
| OC3.pmthresholds.sts3c.nearend.15min.FC | 10 |
| OC3.pmthresholds.sts3c.nearend.15min.NPJC-PDET | 60 |
| OC3.pmthresholds.sts3c.nearend.15min.NPJC-PGEN | 60 |
| OC3.pmthresholds.sts3c.nearend.15min.PJCDIFF | 0 |
| OC3.pmthresholds.sts3c.nearend.15min.PJCS-PDET | 0 |
| OC3.pmthresholds.sts3c.nearend.15min.PJCS-PGEN | 0 |
| OC3.pmthresholds.sts3c.nearend.15min.PPJC-PDET | 60 |
| OC3.pmthresholds.sts3c.nearend.15min.PPJC-PGEN | 60 |
| OC3.pmthresholds.sts3c.nearend.15min.SES | 3 |
| OC3.pmthresholds.sts3c.nearend.15min.UAS | 10 |
| OC3.pmthresholds.sts3c.nearend.1day.CV | 250 |
| OC3.pmthresholds.sts3c.nearend.1day.ES | 200 |
| OC3.pmthresholds.sts3c.nearend.1day.FC | 10 |
| OC3.pmthresholds.sts3c.nearend.1day.NPJC-PDET | 5760 |
| OC3.pmthresholds.sts3c.nearend.1day.NPJC-PGEN | 5760 |
| OC3.pmthresholds.sts3c.nearend.1day.PJCDIFF | 0 |
| OC3.pmthresholds.sts3c.nearend.1day.PJCS-PDET | 0 |
| OC3.pmthresholds.sts3c.nearend.1day.PJCS-PGEN | 0 |
| OC3.pmthresholds.sts3c.nearend.1day.PPJC-PDET | 5760 |
| OC3.pmthresholds.sts3c.nearend.1day.PPJC-PGEN | 5760 |

*Table 4 OC-3 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC3.pmthresholds.sts3c.nearend.1day.SES | 7 |
| OC3.pmthresholds.sts3c.nearend.1day.UAS | 10 |

# OC-12 Card Default Settings

Table 5 lists the OC-12 card default settings.

*Table 5 OC-12 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC12.config.line.AINSSoakTime | 08\:00 |
| OC12.config.line.EnableSyncMsg | TRUE |
| OC12.config.line.PJStsMon\# | 0 |
| OC12.config.line.SDBER | 1E-7 |
| OC12.config.line.SFBER | 1E-4 |
| OC12.config.line.SendDoNotUse | FALSE |
| OC12.config.line.State | OOS |
| OC12.config.sts.IPPMEnabled | FALSE |
| OC12.pmthresholds.line.farend.15min.CV | 5315 |
| OC12.pmthresholds.line.farend.15min.ES | 87 |
| OC12.pmthresholds.line.farend.15min.FC | 10 |
| OC12.pmthresholds.line.farend.15min.SES | 1 |
| OC12.pmthresholds.line.farend.15min.UAS | 3 |
| OC12.pmthresholds.line.farend.1day.CV | 53150 |
| OC12.pmthresholds.line.farend.1day.ES | 864 |
| OC12.pmthresholds.line.farend.1day.FC | 40 |
| OC12.pmthresholds.line.farend.1day.SES | 4 |
| OC12.pmthresholds.line.farend.1day.UAS | 10 |
| OC12.pmthresholds.line.nearend.15min.CV | 5315 |
| OC12.pmthresholds.line.nearend.15min.ES | 87 |
| OC12.pmthresholds.line.nearend.15min.FC | 10 |
| OC12.pmthresholds.line.nearend.15min.PSC | 1 |
| OC12.pmthresholds.line.nearend.15min.PSC-W | 1 |
| OC12.pmthresholds.line.nearend.15min.PSD | 300 |
| OC12.pmthresholds.line.nearend.15min.PSD-W | 300 |
| OC12.pmthresholds.line.nearend.15min.SES | 1 |
| OC12.pmthresholds.line.nearend.15min.UAS | 3 |

*Table 5 OC-12 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC12.pmthresholds.line.nearend.1day.CV | 53150 |
| OC12.pmthresholds.line.nearend.1day.ES | 864 |
| OC12.pmthresholds.line.nearend.1day.FC | 40 |
| OC12.pmthresholds.line.nearend.1day.PSC | 5 |
| OC12.pmthresholds.line.nearend.1day.PSC-W | 5 |
| OC12.pmthresholds.line.nearend.1day.PSD | 600 |
| OC12.pmthresholds.line.nearend.1day.PSD-W | 600 |
| OC12.pmthresholds.line.nearend.1day.SES | 4 |
| OC12.pmthresholds.line.nearend.1day.UAS | 10 |
| OC12.pmthresholds.section.nearend.15min.CV | 10000 |
| OC12.pmthresholds.section.nearend.15min.ES | 500 |
| OC12.pmthresholds.section.nearend.15min.SEFS | 500 |
| OC12.pmthresholds.section.nearend.15min.SES | 500 |
| OC12.pmthresholds.section.nearend.1day.CV | 100000 |
| OC12.pmthresholds.section.nearend.1day.ES | 5000 |
| OC12.pmthresholds.section.nearend.1day.SEFS | 5000 |
| OC12.pmthresholds.section.nearend.1day.SES | 5000 |
| OC12.pmthresholds.sts1.nearend.15min.CV | 15 |
| OC12.pmthresholds.sts1.nearend.15min.ES | 12 |
| OC12.pmthresholds.sts1.nearend.15min.FC | 10 |
| OC12.pmthresholds.sts1.nearend.15min.NPJC-PDET | 60 |
| OC12.pmthresholds.sts1.nearend.15min.NPJC-PGEN | 60 |
| OC12.pmthresholds.sts1.nearend.15min.PJCDIFF | 0 |
| OC12.pmthresholds.sts1.nearend.15min.PJCS-PDET | 0 |
| OC12.pmthresholds.sts1.nearend.15min.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts1.nearend.15min.PPJC-PDET | 60 |
| OC12.pmthresholds.sts1.nearend.15min.PPJC-PGEN | 60 |
| OC12.pmthresholds.sts1.nearend.15min.SES | 3 |
| OC12.pmthresholds.sts1.nearend.15min.UAS | 10 |
| OC12.pmthresholds.sts1.nearend.1day.CV | 125 |
| OC12.pmthresholds.sts1.nearend.1day.ES | 100 |
| OC12.pmthresholds.sts1.nearend.1day.FC | 10 |
| OC12.pmthresholds.sts1.nearend.1day.NPJC-PDET | 5760 |
| OC12.pmthresholds.sts1.nearend.1day.NPJC-PGEN | 5760 |
| OC12.pmthresholds.sts1.nearend.1day.PJCDIFF | 0 |
| OC12.pmthresholds.sts1.nearend.1day.PJCS-PDET | 0 |

*Table 5 OC-12 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC12.pmthresholds.sts1.nearend.1day.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts1.nearend.1day.PPJC-PDET | 5760 |
| OC12.pmthresholds.sts1.nearend.1day.PPJC-PGEN | 5760 |
| OC12.pmthresholds.sts1.nearend.1day.SES | 7 |
| OC12.pmthresholds.sts1.nearend.1day.UAS | 10 |
| OC12.pmthresholds.sts12c.nearend.15min.CV | 75 |
| OC12.pmthresholds.sts12c.nearend.15min.ES | 60 |
| OC12.pmthresholds.sts12c.nearend.15min.FC | 10 |
| OC12.pmthresholds.sts12c.nearend.15min.NPJC-PDET | 60 |
| OC12.pmthresholds.sts12c.nearend.15min.NPJC-PGEN | 60 |
| OC12.pmthresholds.sts12c.nearend.15min.PJCDIFF | 0 |
| OC12.pmthresholds.sts12c.nearend.15min.PJCS-PDET | 0 |
| OC12.pmthresholds.sts12c.nearend.15min.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts12c.nearend.15min.PPJC-PDET | 60 |
| OC12.pmthresholds.sts12c.nearend.15min.PPJC-PGEN | 60 |
| OC12.pmthresholds.sts12c.nearend.15min.SES | 3 |
| OC12.pmthresholds.sts12c.nearend.15min.UAS | 10 |
| OC12.pmthresholds.sts12c.nearend.1day.CV | 750 |
| OC12.pmthresholds.sts12c.nearend.1day.ES | 600 |
| OC12.pmthresholds.sts12c.nearend.1day.FC | 10 |
| OC12.pmthresholds.sts12c.nearend.1day.NPJC-PDET | 5760 |
| OC12.pmthresholds.sts12c.nearend.1day.NPJC-PGEN | 5760 |
| OC12.pmthresholds.sts12c.nearend.1day.PJCDIFF | 0 |
| OC12.pmthresholds.sts12c.nearend.1day.PJCS-PDET | 0 |
| OC12.pmthresholds.sts12c.nearend.1day.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts12c.nearend.1day.PPJC-PDET | 5760 |
| OC12.pmthresholds.sts12c.nearend.1day.PPJC-PGEN | 5760 |
| OC12.pmthresholds.sts12c.nearend.1day.SES | 7 |
| OC12.pmthresholds.sts12c.nearend.1day.UAS | 10 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.CV | 25 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.ES | 20 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.FC | 10 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.NPJC-PDET | 60 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.NPJC-PGEN | 60 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.PJCDIFF | 0 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.PJCS-PDET | 0 |

*Table 5 OC-12 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC12.pmthresholds.sts3c-9c.nearend.15min.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.PPJC-PDET | 60 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.PPJC-PGEN | 60 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.SES | 3 |
| OC12.pmthresholds.sts3c-9c.nearend.15min.UAS | 10 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.CV | 250 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.ES | 200 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.FC | 10 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.NPJC-PDET | 5760 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.NPJC-PGEN | 5760 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.PJCDIFF | 0 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.PJCS-PDET | 0 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.PJCS-PGEN | 0 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.PPJC-PDET | 5760 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.PPJC-PGEN | 5760 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.SES | 7 |
| OC12.pmthresholds.sts3c-9c.nearend.1day.UAS | 10 |

# OC-48 Card Default Settings

Table 6 lists the OC-48 card default settings.

*Table 6 OC-48 Card Default Settings*

| Default Name | Default Value |
|---|---|
| OC48.config.line.AINSSoakTime | 08\:00 |
| OC48.config.line.EnableSyncMsg | TRUE |
| OC48.config.line.PJStsMon\# | 0 |
| OC48.config.line.SDBER | 1E-7 |
| OC48.config.line.SFBER | 1E-4 |
| OC48.config.line.SendDoNotUse | FALSE |
| OC48.config.line.State | OOS |
| OC48.config.sts.IPPMEnabled | FALSE |
| OC48.pmthresholds.line.farend.15min.CV | 21260 |
| OC48.pmthresholds.line.farend.15min.ES | 87 |
| OC48.pmthresholds.line.farend.15min.FC | 10 |
| OC48.pmthresholds.line.farend.15min.SES | 1 |

*Table 6 OC-48 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC48.pmthresholds.line.farend.15min.UAS | 3 |
| OC48.pmthresholds.line.farend.1day.CV | 212600 |
| OC48.pmthresholds.line.farend.1day.ES | 864 |
| OC48.pmthresholds.line.farend.1day.FC | 40 |
| OC48.pmthresholds.line.farend.1day.SES | 4 |
| OC48.pmthresholds.line.farend.1day.UAS | 10 |
| OC48.pmthresholds.line.nearend.15min.CV | 21260 |
| OC48.pmthresholds.line.nearend.15min.ES | 87 |
| OC48.pmthresholds.line.nearend.15min.FC | 10 |
| OC48.pmthresholds.line.nearend.15min.PSC | 1 |
| OC48.pmthresholds.line.nearend.15min.PSC-R | 1 |
| OC48.pmthresholds.line.nearend.15min.PSC-S | 1 |
| OC48.pmthresholds.line.nearend.15min.PSC-W | 1 |
| OC48.pmthresholds.line.nearend.15min.PSD | 300 |
| OC48.pmthresholds.line.nearend.15min.PSD-R | 300 |
| OC48.pmthresholds.line.nearend.15min.PSD-S | 300 |
| OC48.pmthresholds.line.nearend.15min.PSD-W | 300 |
| OC48.pmthresholds.line.nearend.15min.SES | 1 |
| OC48.pmthresholds.line.nearend.15min.UAS | 3 |
| OC48.pmthresholds.line.nearend.1day.CV | 212600 |
| OC48.pmthresholds.line.nearend.1day.ES | 864 |
| OC48.pmthresholds.line.nearend.1day.FC | 40 |
| OC48.pmthresholds.line.nearend.1day.PSC | 5 |
| OC48.pmthresholds.line.nearend.1day.PSC-R | 5 |
| OC48.pmthresholds.line.nearend.1day.PSC-S | 5 |
| OC48.pmthresholds.line.nearend.1day.PSC-W | 5 |
| OC48.pmthresholds.line.nearend.1day.PSD | 600 |
| OC48.pmthresholds.line.nearend.1day.PSD-R | 600 |
| OC48.pmthresholds.line.nearend.1day.PSD-S | 600 |
| OC48.pmthresholds.line.nearend.1day.PSD-W | 600 |
| OC48.pmthresholds.line.nearend.1day.SES | 4 |
| OC48.pmthresholds.line.nearend.1day.UAS | 10 |
| OC48.pmthresholds.section.nearend.15min.CV | 10000 |
| OC48.pmthresholds.section.nearend.15min.ES | 500 |
| OC48.pmthresholds.section.nearend.15min.SEFS | 500 |
| OC48.pmthresholds.section.nearend.15min.SES | 500 |

*Table 6 OC-48 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC48.pmthresholds.section.nearend.1day.CV | 100000 |
| OC48.pmthresholds.section.nearend.1day.ES | 5000 |
| OC48.pmthresholds.section.nearend.1day.SEFS | 5000 |
| OC48.pmthresholds.section.nearend.1day.SES | 5000 |
| OC48.pmthresholds.sts1.nearend.15min.CV | 15 |
| OC48.pmthresholds.sts1.nearend.15min.ES | 12 |
| OC48.pmthresholds.sts1.nearend.15min.FC | 10 |
| OC48.pmthresholds.sts1.nearend.15min.NPJC-PDET | 60 |
| OC48.pmthresholds.sts1.nearend.15min.NPJC-PGEN | 60 |
| OC48.pmthresholds.sts1.nearend.15min.PJCDIFF | 0 |
| OC48.pmthresholds.sts1.nearend.15min.PJCS-PDET | 0 |
| OC48.pmthresholds.sts1.nearend.15min.PJCS-PGEN | 0 |
| OC48.pmthresholds.sts1.nearend.15min.PPJC-PDET | 60 |
| OC48.pmthresholds.sts1.nearend.15min.PPJC-PGEN | 60 |
| OC48.pmthresholds.sts1.nearend.15min.SES | 3 |
| OC48.pmthresholds.sts1.nearend.15min.UAS | 10 |
| OC48.pmthresholds.sts1.nearend.1day.CV | 125 |
| OC48.pmthresholds.sts1.nearend.1day.ES | 100 |
| OC48.pmthresholds.sts1.nearend.1day.FC | 10 |
| OC48.pmthresholds.sts1.nearend.1day.NPJC-PDET | 5760 |
| OC48.pmthresholds.sts1.nearend.1day.NPJC-PGEN | 5760 |
| OC48.pmthresholds.sts1.nearend.1day.PJCDIFF | 0 |
| OC48.pmthresholds.sts1.nearend.1day.PJCS-PDET | 0 |
| OC48.pmthresholds.sts1.nearend.1day.PJCS-PGEN | 0 |
| OC48.pmthresholds.sts1.nearend.1day.PPJC-PDET | 5760 |
| OC48.pmthresholds.sts1.nearend.1day.PPJC-PGEN | 5760 |
| OC48.pmthresholds.sts1.nearend.1day.SES | 7 |
| OC48.pmthresholds.sts1.nearend.1day.UAS | 10 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.CV | 75 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.ES | 60 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.FC | 10 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.NPJC-PDET | 60 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.NPJC-PGEN | 60 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.PJCDIFF | 0 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.PJCS-PDET | 0 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.PJCS-PGEN | 0 |

*Table 6 OC-48 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC48.pmthresholds.sts12c-48c.nearend.15min.PPJC-PDET | 60 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.PPJC-PGEN | 60 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.SES | 3 |
| OC48.pmthresholds.sts12c-48c.nearend.15min.UAS | 10 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.CV | 750 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.ES | 600 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.FC | 10 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.NPJC-PDET | 5760 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.NPJC-PGEN | 5760 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.PJCDIFF | 0 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.PJCS-PDET | 0 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.PJCS-PGEN | 0 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.PPJC-PDET | 5760 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.PPJC-PGEN | 5760 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.SES | 7 |
| OC48.pmthresholds.sts12c-48c.nearend.1day.UAS | 10 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.CV | 25 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.ES | 20 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.FC | 10 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.NPJC-PDET | 60 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.NPJC-PGEN | 60 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.PJCDIFF | 0 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.PJCS-PDET | 0 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.PJCS-PGEN | 0 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.PPJC-PDET | 60 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.PPJC-PGEN | 60 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.SES | 3 |
| OC48.pmthresholds.sts3c-9c.nearend.15min.UAS | 10 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.CV | 250 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.ES | 200 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.FC | 10 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.NPJC-PDET | 5760 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.NPJC-PGEN | 5760 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.PJCDIFF | 0 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.PJCS-PDET | 0 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.PJCS-PGEN | 0 |

*Table 6 OC-48 Card Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| OC48.pmthresholds.sts3c-9c.nearend.1day.PPJC-PDET | 5760 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.PPJC-PGEN | 5760 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.SES | 7 |
| OC48.pmthresholds.sts3c-9c.nearend.1day.UAS | 10 |

# Node Default Settings

Table 7 on page 19 lists the node-level default settings for the Cisco ONS 15327. Cisco provides the following types of settings preprovisioned for each Cisco ONS 15327 node:

- Create TL1-Like instructs the node to create only cross-connects, allowing the resulting circuits to be in an upgradable state.
- Insert AIS-V on SDP instructs the node to insert AIS-V in each VT whenever the carrying STS crosses the signal degrade path BER threshold.
- SDP BER defines the node signal degrade path bit error rate.
- The path protection settings determine whether path protection circuits have switching on PDIP enabled, have SD BER and SF BER monitoring enabled, are revertive, and what the reversion time is.
- Craft Access Only allows CTC connectivity to the node only through the craft access port.
- CTC IP Display Suppression prevents display of node IP addresses in CTC.
- Defaults Description lists the current defaults file on the node.
- Enable Firewall enables or disables the use of a firewall for accessing the node.
- Enable Proxy enables or disables the use of a proxy server with the node.
- IIOP Listener Port sets the IIOP listener port number.
- Login Warning Message warns users at the login screen about the possible legal or contractual ramifications of accessing equipment, systems, or networks without authorization.
- NTP SNTP Server sets the IP address of the NTP SNTP server to be used with the node.
- Time Zone sets the time zone where the node is located.
- Use DST enables or disables the use of Daylight Savings Time.
- Use NTP SNTP Server enables or disables the use of the specified NTP SNTP server with the node.
- 1+1 protection settings determine whether or not 1+1 protected circuits have bidirectional switching, are revertive, and what the reversion time is.
- BLSR Protection Settings determine whether BLSR-protected circuits are revertive and what the reversion time is at both the ring and span levels.
- Security Policy settings determine the failed logins before lockout, idle user timeout for each user level, lockout duration, manual unlock user level enabled, password reuse timeout and threshold, and single session per user for the node security.
- BITS Timing settings determine the AIS threshold, coding, and framing for BITS1 and BITS2 timing.

- General Timing settings determine the mode (internal or external), quality of RES, revertive, reversion time, and SSM message set for node timing.

***Table 7 Node Default Settings***

| Default Name | Default Value |
|---|---|
| NODE.circuits.InsertAISVOnSDP | FALSE |
| NODE.circuits.SDPBER | 1E-6 |
| NODE.circuits.SendPDIP | TRUE |
| NODE.circuits.upsr.ReversionTime | 5.0 |
| NODE.circuits.upsr.Revertive | FALSE |
| NODE.circuits.upsr.SDBER | 1E-6 |
| NODE.circuits.upsr.SFBER | 1E-4 |
| NODE.circuits.upsr.SwitchOnPDIP | FALSE |
| NODE.general.CtcIpDisplaySuppression | FALSE |
| NODE.general.DefaultsDescription | Factory Defaults |
| NODE.general.IIOPListenerPort | 57790 |
| NODE.general.NtpSntpServer | 0.0.0.0 |
| NODE.general.TimeZone | (GMT-08\:00) Los Angeles, Tijuana, Vancouver (Pacific) |
| NODE.general.UseDST | TRUE |
| NODE.general.UseNtpSntpServer | FALSE |
| NODE.network.general.AlarmMissingBackplaneLAN | FALSE |
| NODE.network.general.GatewaySettings | None |
| NODE.protection.1+1.BidirectionalSwitching | FALSE |
| NODE.protection.1+1.ReversionTime | 5.0 |
| NODE.protection.1+1.Revertive | FALSE |
| NODE.protection.blsr.RingReversionTime | 5.0 |
| NODE.protection.blsr.RingRevertive | TRUE |
| NODE.protection.blsr.SpanReversionTime | 5.0 |
| NODE.protection.blsr.SpanRevertive | TRUE |
| NODE.security.access.LANAccess | Front Only |
| NODE.security.access.RestoreTimeout | 5 |
| NODE.security.idleUserTimeout.Maintenance | 60 |
| NODE.security.idleUserTimeout.Provisioning | 30 |
| NODE.security.idleUserTimeout.Retrieve | 0 |
| NODE.security.idleUserTimeout.Superuser | 15 |

*Table 7 Node Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| NODE.security.legalDisclaimer.LoginWarningMessage | WARNING This system is restricted to authorized users for business purposes.<br>Unauthorized<p>access is a violation of the law. This service may be monitored for administrative<p>and security reasons. By proceeding, you consent to this monitoring. |
| NODE.security.other.DisableInactiveUser | FALSE |
| NODE.security.other.InactiveDuration | 45 |
| NODE.security.other.PMClearingPrivilege | PROVISIONING |
| NODE.security.other.SingleSessionPerUser | FALSE |
| NODE.security.passwordAging.EnforcePasswordAging | FALSE |
| NODE.security.passwordAging.maintenance.ExpirationPeriod | 45 |
| NODE.security.passwordAging.maintenance.WarningPeriod | 5 |
| NODE.security.passwordAging.provisioning.ExpirationPeriod | 45 |
| NODE.security.passwordAging.provisioning.WarningPeriod | 5 |
| NODE.security.passwordAging.retrieve.ExpirationPeriod | 45 |
| NODE.security.passwordAging.retrieve.WarningPeriod | 5 |
| NODE.security.passwordAging.superuser.ExpirationPeriod | 45 |
| NODE.security.passwordAging.superuser.WarningPeriod | 5 |
| NODE.security.passwordChange.CannotChangeNewPassword | FALSE |
| NODE.security.passwordChange.CannotChangeNewPasswordForNDays | 20 |
| NODE.security.passwordChange.PreventReusingLastNPasswords | 1 |
| NODE.security.passwordChange.RequirePasswordChangeOnFirstLoginToNewAccount | FALSE |
| NODE.security.shellAccess.SSH | FALSE |
| NODE.security.shellAccess.TelnetPort | 23 |
| NODE.security.userLockout.FailedLoginsBeforeLockout | 5 |
| NODE.security.userLockout.LockoutDuration | 00\:30 |
| NODE.security.userLockout.ManualUnlockBySuperuser | FALSE |
| NODE.timing.bits-1.AISThreshold | SMC |
| NODE.timing.bits-1.Coding | B8ZS |
| NODE.timing.bits-1.Framing | ESF |
| NODE.timing.bits-1.LBO | 0-133 ft |
| NODE.timing.bits-1.State | IS |
| NODE.timing.bits-1.StateOut | IS |
| NODE.timing.bits-2.AISThreshold | SMC |

*Table 7 Node Default Settings (continued)*

| Default Name | Default Value |
|---|---|
| NODE.timing.bits-2.Coding | B8ZS |
| NODE.timing.bits-2.Framing | ESF |
| NODE.timing.bits-2.LBO | 0-133 ft |
| NODE.timing.bits-2.State | IS |
| NODE.timing.bits-2.StateOut | IS |
| NODE.timing.general.Mode | External |
| NODE.timing.general.QualityOfRES | RES\DUS |
| NODE.timing.general.ReversionTime | 5.0 |
| NODE.timing.general.Revertive | FALSE |
| NODE.timing.general.SSMMessageSet | Generation 1 |

# CTC Default Settings

Table 8 lists the CTC-level default settings for the Cisco ONS 15327. Cisco provides the following types of settings preprovisioned for CTC.

- Create circuits with the Auto route check box selected by default
- Create TL1-like circuits—instructs the node to create only cross-connects, allowing the resulting circuits to be in an upgradable state.
- Choose a default network map (which country)

*Table 8 CTC Default Settings*

| Default Name | Default Value |
|---|---|
| CTC.circuits.AutoRoute | TRUE |
| CTC.circuits.CreateLikeTL1 | FALSE |
| CTC.network.Map | United States |

# Related Documentation

Use the Cisco ONS 15327 Release 4.6 Network Element Defaults in conjunction with the following publications:

- *Cisco ONS 15327 Procedure Guide*
  Provides installation, turn up, test, and maintenance procedures
- *Cisco ONS 15327 Reference Manual*
  Provides technical reference information for cards, nodes, and networks
- *Cisco ONS 15327 Troubleshooting Guide*
  Provides a list of SONET alarms and troubleshooting procedures, general troubleshooting information, and hardware replacement procedures

- *Cisco ONS 15454 and Cisco ONS 15327 TL1 Command Guide*
  Provides a comprehensive list of TL1 commands
- *Release Notes for Cisco ONS 15327 Release 4.6*
  Provides caveats, closed issues, and new feature and functionality information

# Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. Cisco also provides several ways to obtain 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

## Ordering Documentation

You can find instructions for ordering documentation at this URL:

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

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Ordering tool:

  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, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

## Cisco Optical Networking Product Documentation CD-ROM

Optical networking-related documentation, including Cisco ONS 15327 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.

# Documentation Feedback

You can submit e-mail comments about technical documentation 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

For all customers, partners, resellers, and distributors who hold valid Cisco service contracts, the Cisco Technical Assistance Center (TAC) provides 24-hour-a-day, award-winning technical support services, online and over the phone. Cisco.com features the Cisco TAC website as an online starting point for technical assistance. If you do not hold a valid Cisco service contract, please contact your reseller.

## Cisco TAC Website

The Cisco TAC website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The Cisco TAC website is available 24 hours a day, 365 days a year. The Cisco TAC website is located at this URL:

http://www.cisco.com/tac

Accessing all the tools on the Cisco TAC website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a login ID or password, register at this URL:

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

## Opening a TAC Case

Using the online TAC Case Open Tool is the fastest way to open P3 and P4 cases. (P3 and P4 cases are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Case Open Tool automatically recommends resources for an immediate solution. If your issue is not resolved using the recommended resources, your case will be assigned to a Cisco TAC engineer. The online TAC Case Open Tool is located at this URL:

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

For P1 or P2 cases (P1 and P2 cases are those in which your production network is down or severely degraded) or if you do not have Internet access, contact Cisco TAC by telephone. Cisco TAC engineers are assigned immediately to P1 and P2 cases to help keep your business operations running smoothly.

To open a case by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)
EMEA: +32 2 704 55 55
USA: 1 800 553-2447

For a complete listing of Cisco TAC contacts, go to this URL:

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

## TAC Case Priority Definitions

To ensure that all cases are reported in a standard format, Cisco has established case priority definitions.

Priority 1 (P1)—Your 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.

Priority 2 (P2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Priority 3 (P3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Priority 4 (P4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

# Obtaining Additional Publications and Information

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

- Cisco Marketplace provides a variety of Cisco books, reference guides, and logo merchandise. Go to this URL to visit the company store:

  http://www.cisco.com/go/marketplace/

- 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://cisco.com/univercd/cc/td/doc/pcat/

- *Cisco Press* publishes a wide range of general networking, training and certification titles. Both new and experienced users will benefit from these publications. 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/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/ipj

- Training—Cisco offers world-class networking training. Current offerings in network training are listed at this URL:
- http://www.cisco.com/en/US/learning/index.html

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