



Change Card Settings

This chapter explains how to change line and threshold settings on Cisco ONS 15454 SDH cards.

Before You Begin

Before performing any of the following procedures, investigate all alarms and clear any trouble conditions. Refer to the *Cisco ONS 15454 SDH Troubleshooting Guide* as necessary.



Caution

Changing card settings can be service affecting. You should make all changes during a scheduled maintenance window.

This section lists the chapter procedures (NTPs). Turn to a procedure for applicable tasks (DLPs).

1. [NTP-D88 Modify Line Settings and PM Parameter Thresholds for Electrical Cards, page 11-2](#)—As needed, complete this procedure to change line and threshold settings for all electrical cards (E1-N-14, E1-42, E3-12, DS3i-N-12, and STM1E-12).
2. [NTP-D89 Modify Line Settings and PM Parameter Thresholds for STM-N Cards, page 11-2](#)—As needed, complete this procedure to change line and threshold settings for all optical (STM-N) cards.
3. [NTP-D118 Modify Alarm Interface Controller–International Settings, page 11-3](#)—As needed, complete this procedure to change external alarms and controls and/or orderwire settings.
4. [NTP-D91 Upgrade E1-N-14 and DS3 i-N-12 Protect Cards from 1:1 Protection to 1:N Protection, page 11-4](#)—As needed, complete this procedure to change the protection type on E-1 or DS-3 cards.
5. [NTP-D311 Modify Port Settings and PM Parameter Thresholds for SAN Cards, page 11-4](#)—As needed, complete this procedure to change the FC_MR-4 card port and threshold settings.
6. [NTP-D307 Change Card Service State, page 11-5](#)—As needed, complete this procedure to change card service state.

NTP-D88 Modify Line Settings and PM Parameter Thresholds for Electrical Cards

Purpose	This procedure changes the line settings and performance monitoring (PM) parameter thresholds for electrical cards.
Tools/Equipment	None
Prerequisite Procedures	NTP-D17 Install the Electrical Cards, page 2-9
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

-
- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the electrical card settings. If you are already logged in, proceed to Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4 to preserve the existing database.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D339 Change Line and Threshold Settings for E1-N-14 or E1-42 Cards, page 20-39](#)
 - [DLP-D340 Change Line and Threshold Settings for the E3-12 Cards, page 20-44](#)
 - [DLP-D341 Change Line and Threshold Settings for the DS3i-N-12 Cards, page 20-47](#)
 - [DLP-D342 Change Line and Threshold Settings for the STM1E-12 Card, page 20-52](#)
- Step 4** When you are finished changing the card settings, complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
-

NTP-D89 Modify Line Settings and PM Parameter Thresholds for STM-N Cards

Purpose	This procedure changes the line settings and the PM parameter thresholds for optical cards.
Tools/Equipment	None
Prerequisite Procedures	NTP-D16 Install the STM-N Cards, page 2-7
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

-
- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the STM-N card settings. If you are already logged in, proceed to Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.

- Step 3** Perform any of the following tasks as needed:
- [DLP-D170 Change Line Settings for STM-N Cards, page 18-28](#)
 - [DLP-D343 Change SDH Threshold Settings for STM-N Cards, page 20-55](#)
- Step 4** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
-

NTP-D118 Modify Alarm Interface Controller–International Settings

Purpose	This procedure changes the AIC-I card external alarms and controls (environmental alarms) or changes orderwire settings.
Tools/Equipment	None
Prerequisite Procedures	NTP-D247 Provision External Alarms and Controls on the Alarm Interface Controller-International, page 7-8 and the DLP-D83 Provision Orderwire, page 17-75
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the AIC-I card settings. If you are already logged in, proceed to Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D208 Change External Alarms Using the AIC-I Card, page 19-5](#)
 - [DLP-D209 Change External Controls Using the AIC-I Card, page 19-6](#)
 - [DLP-D210 Change AIC-I Card Orderwire Settings, page 19-6](#)
- Step 4** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
-

NTP-D91 Upgrade E1-N-14 and DS3 i-N-12 Protect Cards from 1:1 Protection to 1:N Protection

Purpose	This task converts E1-N-14 and DS3i-N-12 protect cards from 1:1 to 1:N protection.
Tools/Equipment	None
Prerequisite Procedures	DLP-D71 Create a 1:1 Protection Group, page 17-61
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

-
- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to convert the E1-N-14 and DS3i-N-12 cards from 1:1. If you are already logged in, proceed to Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D176 Convert E1-N-14 Cards From 1:1 to 1:N Protection, page 18-31](#)
 - [DLP-D177 Convert DS3i-N-12 Cards From 1:1 to 1:N Protection, page 18-32](#)
- Step 4** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
-

NTP-D311 Modify Port Settings and PM Parameter Thresholds for SAN Cards

Purpose	This procedure changes the line settings and PM parameter thresholds for FC_MR-4 cards.
Tools/Equipment	None
Prerequisite Procedures	NTP-D286 Install the FC_MR-4 Cards, page 2-12
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

-
- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the OC-N card settings. If you are already logged in, proceed to Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D354 Change General Port Settings for the FC_MR-4 Card, page 20-61](#)
 - [DLP-D355 Change Distance Extension Port Settings for the FC_MR-4 Card, page 20-63](#)

- [DLP-D356 Change Enhanced FC/FICON Port Settings for the FC_MR-4 Card, page 20-64](#)
- [DLP-D465 Create FC_MR-4 RMON Alarm Thresholds, page 21-45](#)
- [DLP-D466 Delete FC_MR-4 RMON Alarm Thresholds, page 21-49](#)

Step 4 Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.

Stop. You have completed this procedure.

NTP-D307 Change Card Service State

Purpose	This procedure changes card service state.
Tools/Equipment	None
Prerequisite Procedures	Chapter 2, “Install Cards and Fiber-Optic Cable”
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

Step 1 Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the card service state.

Step 2 Click the **Inventory** tab.

Step 3 Click **Admin State** for the card you want to change, and choose an Admin state from the drop-down list: **Unlocked** or **Locked,maintenance**.

Step 4 Click **Apply**.

Step 5 If an error message opens indicating that the card state cannot be changed from its current state, click **OK**.

[Table 11-1](#) lists possible card service state transitions based on the Admin State chosen. For more information about the enhanced state model and card state transitions, refer to the “Administrative and Service States” appendix of the *Cisco ONS 15454 SDH Reference Manual*.

Table 11-1 Cisco ONS 15454 SDH Card State Transitions

Admin State	Original Service State	Next Service State
Unlocked	Locked-disabled,maintenance & notInstalled	Unlocked-disabled,notInstalled
Unlocked	Locked-disabled,mismatchOfEquipment & maintenance	Unlocked-disabled,mismatchOfEquipment
Unlocked	Locked-enabled,maintenance	Unlocked-enabled
Locked, maintenance	Unlocked-disabled,mismatchOfEquipment	Locked-disabled,maintenance & notInstalled
Locked, maintenance	Unlocked-disabled,automaticInService & notInstalled	Locked-disabled,maintenance & notInstalled
Locked, maintenance	Unlocked-disabled,automaticInService & mismatchOfEquipment	Locked-disabled,mismatchOfEquipment & maintenance

Table 11-1 Cisco ONS 15454 SDH Card State Transitions (continued)

Admin State	Original Service State	Next Service State
Locked,maintenance	Unlocked-disabled,notInstalled	Locked-disabled,maintenance & notInstalled
Locked,maintenance	Unlocked-enabled	Locked-enabled,maintenance

Stop. You have completed this procedure.
