



CHAPTER 16

Power Down the Node

This chapter explains how to power down a Cisco ONS 15310-CL and Cisco ONS 15310-MA node and stop all node activity.

NTP-C120 Power Down the ONS 15310-CL and ONS 15310-MA

Purpose	This procedure stops all node activity.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	As needed
Onsite/Remote	Onsite
Security Level	For software steps, the Provisioning level or higher is required. For hardware steps, any level is allowed.



Caution

The following procedure is designed to minimize traffic outages when powering down nodes, but traffic will be lost if you delete and recreate circuits that passed through a working node.



Caution

Always use the supplied ESD wristband when working with the ONS 15310-CL or ONS 15310-MA. Plug the wristband into the ESD jack located on left side of the chassis.

- Step 1** Identify the node that you want to power down. If no cards are installed, go to [Step 13](#). If a card is installed, log into the node. See the [“DLP-C29 Log into CTC” task on page 17-44](#) for instructions.
- Step 2** In node view, choose **Go to Network view** from the View menu.
- Step 3** Verify that the node is not connected to a network.
- If the node is part of a working network, log out of the node and complete the [“NTP-C98 Remove a Path Protection Node” procedure on page 14-4](#) or the [“NTP-C101 Remove an In-Service Node from a Linear ADM” procedure on page 14-9](#). Continue with [Step 4](#).
 - If the node is not connected to a working network and the current configurations are no longer required, continue with [Step 4](#).



Note Current configurations will be saved if Steps 4 through 11 are skipped.

- Step 4** In node view, click the **Circuits** tab and verify that no circuits appear, then proceed to [Step 5](#). If circuits appear, complete the “[NTP-C71 Modify and Delete Circuits](#)” procedure on page 7-3 to delete all the circuits that originate or terminate in the node. Repeat until no circuits appear.
- Step 5** Complete the “[NTP-C143 Modify or Delete Card Protection Settings](#)” procedure on page 11-5 to delete any optical protection group. Repeat until no optical protection groups remain.
- Step 6** Complete the “[DLP-C154 Delete a Section DCC Termination](#)” task on page 18-56 or the “[DLP-C155 Delete a Line DCC Termination](#)” task on page 18-57 for all ports. Repeat until no SDCC or LDCC terminations exist.
- Step 7** Complete the “[DLP-C50 Change the Service State for a Port](#)” task on page 17-67 to change all ports to the Out-of-Service and Management, Disabled (OOS-MA, DSBLD) service state.
- Step 8** Remove all fiber connections to the cards.
- Step 9** Complete the “[DLP-C17 Remove SFP Connectors](#)” task on page 17-23 if there are any SFPs installed.
- Step 10** In node view, right-click an installed card and choose **Delete Card**.
- Step 11** Click **Yes**.
- Step 12** After you have deleted the cards, open the card ejectors for each card and remove each card from the node.
- Step 13** Shut off the power from the power supply that feeds the node.
- Step 14** Disconnect the node from its external fuse source.



Note For the AC version of ONS 15310-CL or ONS 15310-MA, unplug the chassis from the local AC power supply.

- Step 15** Store all of the cards you removed and update inventory records according to local site practice.

Stop. You have completed this procedure.
