



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

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|--------------------------------|---|
| 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.
