CHAPTER 15

Power Down the Node

This chapter explains how to power down a Cisco ONS 15327 node and stop all node activity.

NTP-B114 Power Down the ONS 15327

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.

Warning **Do not reach into a vacant slot or chassis while you install or remove a module or a fan. Exposed circuitry could constitute an energy hazard.**

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 Cisco ONS 15327. Plug the wristband into the ESD jack located on the fan-tray assembly or on the lower right outside edge of the shelf on the NEBS 3 shelf assembly. To access the ESD plug on the NEBS 3 shelf assembly, open the front door of the Cisco ONS 15327. The front door is grounded to prevent electrical shock.

Step 1 Identify the node that you want to power down. If no cards are installed, go to Step 12. If cards are installed, log into the node. See the "DLP-B60 Log into CTC" task on page 2-23 for instructions.

Step 2 In network view, verify that the node is not connected to a network.

a. If the node is part of a working network, log out of the node and complete the "NTP-B213 Remove a BLSR Node" procedure on page 13-9 or the "NTP-B106 Remove a Path Protection Node" procedure on page 13-15.

Note If the node is in a linear ADM configuration, Step 4 will delete the topology.

Continue with Step 3.

b. If the node is not connected to a working network and the current configurations are no longer required, proceed to Step 3.

Note Current configurations will be saved if Steps 3 through 12 are skipped.

Step 3 In node view, click the **Circuits** tab and verify that no circuits are displayed, then proceed to Step 4. If circuits are displayed, delete all the circuits that originate or terminate in the node, as follows:

a. Click the circuits that need to be deleted and click **Delete**.

b. Click **Yes**.

Repeat until no circuits are displayed.

Step 4 Complete the "NTP-B203 Modify or Delete 1+1 Card Protection Settings" procedure on page 9-12 to delete any optical protection group. You cannot delete the default electrical protection group, XTCPROTGRP.

Repeat until all protection groups are deleted.

Step 5 Complete the "NTP-B204 Delete a SONET DCC Termination" procedure on page 9-14 for all cards. Repeat until no SDCC Terminations appear.

Step 6 Complete the "DLP-B230 Change a Circuit State" task on page 8-8 to change all ports in each card to Out of Service (OOS).

Step 7 Remove all fiber connections to the cards.

Step 8 Complete the "DLP-B320 Delete a Card" task on page 1-26 for all traffic cards. You cannot delete an XTC card.

Step 9 Click **Yes**.

Step 10 After you have deleted the card, open the card ejectors and remove it from the node.

Step 11 Open the ejectors and remove the XTC card from the node. Repeat for the second XTC.

Step 12 Shut off the power from the power supply that feeds the node.

Step 13 Disconnect the node from its external fuse source.

Step 14 Store all the cards you removed and update inventory records according to local site practice.

Stop. You have completed this procedure.