



# CHAPTER 15

## Power Down the Node

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

### NTP-H120 Power Down the ONS 15310-MA SDH

<b>Purpose</b>	This procedure stops all node activity.
<b>Tools/Equipment</b>	None
<b>Prerequisite Procedures</b>	None
<b>Required/As Needed</b>	As needed
<b>Onsite/Remote</b>	Onsite
<b>Security Level</b>	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.

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#### Caution

Always use the supplied ESD wristband when working with the ONS 15310-MA SDH. For detailed instructions on how to wear the ESD wristband, refer to the [Cisco ONS Electrostatic Discharge \(ESD\) and Grounding Guide](#).

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- 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-H29 Log into CTC” task on page 16-43](#) 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.
  - a. If the node is part of a working network, log out of the node and complete the [“NTP-H98 Remove a Path Protection Node” procedure on page 13-4](#) or the [“NTP-H101 Remove an In-Service Node from a Linear ADM” procedure on page 13-9](#). Continue with [Step 4](#).
  - b. If the node is not connected to a working network and the current configurations are no longer required, continue with [Step 4](#).




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

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- 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-H71 Modify and Delete Circuits](#)” procedure on page 6-3 to delete all the circuits that originate or terminate in the node. Repeat until no circuits appear.
- Step 5** Complete the “[NTP-H143 Modify or Delete Card Protection Settings](#)” procedure on page 10-4 to delete any optical protection group. Repeat until no optical protection groups remain.
- Step 6** Complete the “[DLP-H154 Delete a Section DCC Termination](#)” task on page 17-54 or the “[DLP-H155 Delete a Line DCC Termination](#)” task on page 17-55 for all ports. Repeat until no RS-DCC or MS-DCC terminations exist.
- Step 7** Complete the “[DLP-H50 Change the Service State for a Port](#)” task on page 16-67 to change all ports to the Out-of-Service and Management, Disabled (locked-enabled, disabled) service state.
- Step 8** Remove all fiber connections to the cards.
- Step 9** Complete the “[DLP-H17 Remove SFP Connectors](#)” task on page 16-21 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.
- Step 15** Store all cards that was removed and update inventory records according to local site practice.

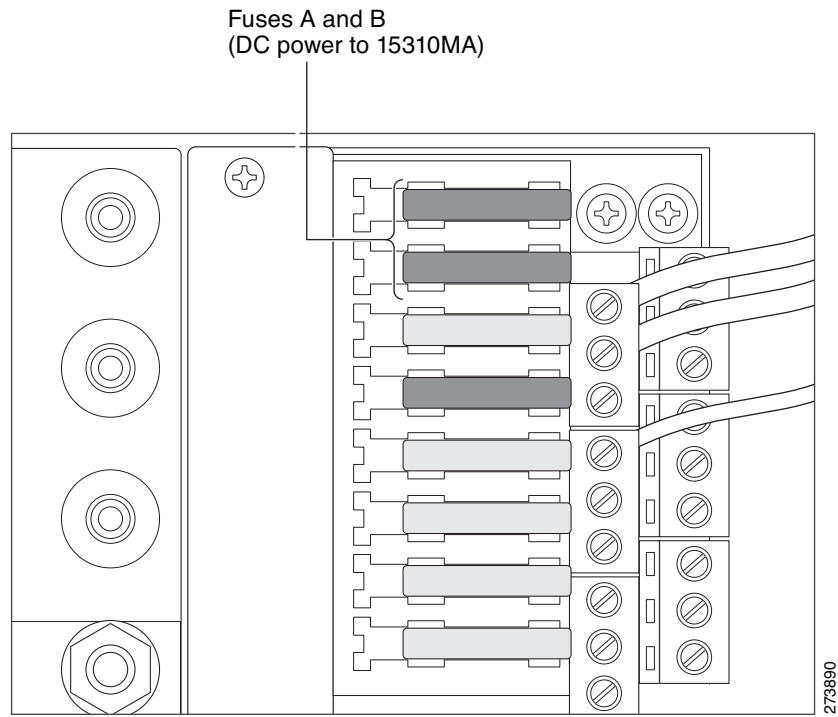



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**Note** In OSP installations, to power down the ONS 15310-MA SDH chassis without powering down the OSP cabinet, remove the top two fuses in the Valere control module. [Figure 15-1](#) shows the top two fuses in the Valere control module.

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Figure 15-1 Two fuses in Valere control module



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

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