



# CHAPTER 15

## Power Down the Node

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This chapter explains how to power down a node and stop all node activity on the Cisco ONS 15600 SDH.

### NTP-F247 Power Down the ONS 15600 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, 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.** Statement 206

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#### Caution

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

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#### Note

Always use the supplied ESD wristband when working with the Cisco ONS 15600 SDH. Plug the wristband into the ESD jack located on the fan-tray assembly or on the lower-left outside edge of the shelf on the shelf assembly.

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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 cards are installed, complete the [“DLP-F181 Log into CTC” task on page 16-34](#).
- Step 2** In node (login) view, choose **Go to Network View** from the View menu.
- Step 3** In network view, 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-F217 Remove an SNCP Node” procedure on page 13-11](#), or the [“NTP-F215 Remove an MS-SPRing Node” procedure on page 13-5](#). Continue with Step 4.

- b. If the node is not connected to a working network and the current configurations are no longer required, proceed to [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 “[DLP-F293 Delete Circuits](#)” task on [page 17-83](#) to delete all the circuits that originate or terminate in the node. Repeat until no circuits are present.
- Step 5** Complete the “[DLP-F229 Delete a 1+1 Protection Group](#)” task on [page 17-25](#) to delete all protection groups. Repeat until no protection groups are present.
- Step 6** Complete the “[NTP-F209 Modify or Delete Communications Channel Terminations](#)” procedure on [page 11-8](#) to delete all RS-DCC and MS-DCC terminations. Repeat until no RS-DCC or MS-DCC terminations are present.
- Step 7** Complete the “[DLP-F254 Change the Service State for a Port](#)” task on [page 17-48](#) for each installed STM-N or DS-N card and change all ports to the Locked-enabled,disabled service state.
- Step 8** Remove all fiber connections to the cards.
- Step 9** Complete the “[DLP-F389 Remove an SFP/XFP](#)” task on [page 18-105](#) if there are any SFPs installed.




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**Warning** **Class 1 laser product.** Statement 1008

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**Warning** **Invisible laser radiation may be emitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments.** Statement 1051

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- 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. For more information about power issues, see the “[NTP-F113 Install the Bay Power and Ground](#)” procedure on [page 1-10](#).
- Step 14** Disconnect the node from its external fuse source.
- Step 15** Store all cards and update inventory records according to local site practice.

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

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