



Change Node Settings

This chapter explains how to modify node provisioning for the Cisco ONS 15454 SDH. To provision a new node, see [Chapter 4, “Turn Up Node.”](#) To change default network element settings and to view a list of those settings, refer to the “Network Element Defaults” appendix in the *Cisco ONS 15454 SDH Reference Manual*.

Before You Begin

Before performing the following procedures, investigate all alarms and clear any trouble conditions. Refer to the *Cisco ONS 15454 SDH Troubleshooting Guide* as necessary.

This section lists the chapter procedures (NTPs). Turn to a procedure for applicable tasks (DLPs).

1. [NTP-D81 Change Node Management Information, page 10-2](#)—As needed, complete this procedure to change the node name, contact information, latitude, longitude, date, time, and login legal disclaimer.
2. [NTP-D201 Change CTC Network Access, page 10-2](#)—As needed, complete these procedures to change the IP address, default router, subnet mask, network configuration settings, and static routes.
3. [NTP-D202 Customize the CTC Network View, page 10-3](#)—As needed, complete this procedure to create domains and customize the appearance of the network map, including specifying a different default map, creating domains, selecting your own map or image, changing the background color.
4. [NTP-D203 Modify or Delete Card Protection Settings, page 10-4](#)—Complete as needed.
5. [NTP-D277 Modify or Delete Communications Channel Terminations and Provisionable Patchcords, page 10-4](#)—Complete as needed to modify or delete SDCC, LDCC, and PCC terminations.
6. [NTP-D85 Change Node Timing, page 10-5](#)—Complete as needed.
7. [NTP-D205 Modify Users and Change Security, page 10-6](#)—Complete as needed.
8. [NTP-D87 Change SNMP Settings, page 10-6](#)—Complete as needed.

NTP-D81 Change Node Management Information

Purpose	This procedure changes the node name, date, time, contact information, or the login legal disclaimer.
Tools/Equipment	None
Prerequisite Procedures	NTP-D316 Set Up Name, Date, Time, and Contact Information , page 4-4
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47 at the node where you want to change the settings. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** In the node view, click the **Provisioning > General** tabs.
- Step 4** Complete the “[DLP-D140 Change the Node Name, Date, Time, and Contact Information](#)” task on page 18-16.
- Step 5** Complete the “[DLP-D265 Change the Login Legal Disclaimer](#)” task on page 19-49, as needed.
- Step 6** After confirming the changes, complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-D201 Change CTC Network Access

Purpose	This procedure changes essential network information, including IP settings, static routes, and OSPF options.
Tools/Equipment	None
Prerequisite Procedures	NTP-D169 Set Up CTC Network Access , page 4-7
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser



Note

Additional ONS 15454 SDH networking information and procedures, including IP addressing examples, static route scenarios, Open Shortest Path First (OSPF) protocol, and routing information protocol options are provided in the “IP Networking” section of the *Cisco ONS 15454 SDH Reference Manual*.

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D266 Change IP Settings](#), page 19-50

- [DLP-D142 Modify a Static Route, page 18-17](#)
- [DLP-D142 Modify a Static Route, page 18-17](#)
- [DLP-D100 Delete a Proxy Tunnel, page 18-1](#)
- [DLP-D101 Delete a Firewall Tunnel, page 18-1](#)
- [DLP-D144 Disable OSPF, page 18-18](#)
- [DLP-D85 Lock Node Security, page 17-77](#)
- [DLP-D86 Modify MIC-C/T/P Port IP Settings, page 17-78](#)
- [DLP-D87 Disable Node Security Mode, page 17-79](#)

Step 4 Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.

Stop. You have completed this procedure.

NTP-D202 Customize the CTC Network View

Purpose	This procedure modifies the CTC network view, including grouping nodes into domains for a less-cluttered display, changing the network view background color, and using a custom image for the network view background.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

Step 1 Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.

Step 2 Complete the following tasks, as needed:

- [DLP-D145 Change the Network View Background Color, page 18-18](#)
- [DLP-D435 Change the Default Network View Background Map, page 21-28](#)
- [DLP-D268 Apply a Custom Network View Background Map, page 19-51](#)
- [DLP-D148 Create Domain Icons, page 18-19](#)
- [DLP-D149 Manage Domain Icons, page 18-19](#)
- [DLP-D393 Switch Between TDM and DWDM Network Views, page 20-75](#)
- [DLP-D269 Enable Dialog Box Do-Not-Display Option, page 19-52](#)

Stop. You have completed this procedure.

NTP-D203 Modify or Delete Card Protection Settings

Purpose	This procedure modifies or deletes card protection settings.
Tools/Equipment	None
Prerequisite Procedures	NTP-D170 Create Protection Groups, page 4-10
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher


Caution

Modifying and deleting protection groups can be service affecting.

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D150 Modify a 1:1 Protection Group, page 18-20](#)
 - [DLP-D152 Modify a 1:N Protection Group, page 18-21](#)
 - [DLP-D154 Modify a 1+1 Protection Group, page 18-22](#)
 - [DLP-D155 Delete a Protection Group, page 18-23](#)
- Step 4** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-D277 Modify or Delete Communications Channel Terminations and Provisionable Patchcords

Purpose	This procedure changes or deletes SDCC or LDCC terminations and deletes provisionable patchcords on the ONS 15454 SDH.
Tools/Equipment	None
Prerequisite Procedures	DLP-D464 Provision Section DCC Terminations, page 21-44 DLP-D467 Provision Line DCC Terminations, page 21-49 DLP-D40 Create a Provisionable Patchcord, page 17-30
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.

- Step 2** Click the **Provisioning > Comm Channels** tabs.
- Step 3** Complete the following tasks to modify communication channel terminations, as needed:
- [DLP-D66 Change a Section DCC Termination, page 17-55.](#)
 - [DLP-D63 Change a Line DCC Termination, page 17-51.](#)
- Step 4** Complete the following tasks to delete communication channel terminations, as needed:
- [DLP-D156 Delete a Section DCC Termination, page 18-23](#)
 - [DLP-D350 Delete a Line DCC Termination, page 20-60](#)
- Step 5** As needed, to delete a provisionable patchcord complete the “[DLP-D41 Delete a Provisionable Patchcord](#)” task on page 17-31.
- Stop. You have completed this procedure.**
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NTP-D85 Change Node Timing

Purpose	This procedure changes the SDH timing settings for the ONS 15454 SDH.
Tools/Equipment	None
Prerequisite Procedures	NTP-D28 Set Up Timing, page 4-9
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** As needed, complete the “[DLP-D157 Change the Node Timing Source](#)” task on page 18-24.
- Step 4** If you need to change any internal timing settings, follow the “[DLP-D70 Set Up Internal Timing](#)” task on page 17-60 for the settings you need to modify.



Caution Internal timing is Stratum 3 and not intended for permanent use. All ONS 15454 SDHs should be timed to a Stratum 2 or better primary reference source.

- Step 5** If you need to verify timing after removing a node from an MS-SPRing or SNCP ring, see the “[DLP-D195 Verify Timing in a Reduced Ring](#)” task on page 18-36.
- Step 6** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-D205 Modify Users and Change Security

Purpose	This procedure modifies user and security properties for the ONS 15454 SDH.
Tools/Equipment	None
Prerequisite Procedures	NTP-D30 Create Users and Assign Security, page 4-3
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D271 Change Node Security Policy on a Single Node, page 19-53](#)
 - [DLP-D272 Change Node Security Policy on Multiple Nodes, page 19-54](#)
 - [DLP-D437 Change Node Access and PM Clearing Privilege, page 21-29](#)
 - [DLP-D158 Change User Password and Security Level on a Single Node, page 18-25](#)
 - [DLP-D160 Change User Password and Security Level on Multiple Nodes, page 18-26](#)
 - [DLP-D159 Delete a User on a Single Node, page 18-26](#)
 - [DLP-D161 Delete a User on Multiple Nodes, page 18-27](#)
- Step 4** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Stop. You have completed this procedure.**
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NTP-D87 Change SNMP Settings

Purpose	This procedure modifies SNMP settings for the ONS 15454 SDH.
Tools/Equipment	None
Prerequisite Procedures	NTP-D34 Set Up SNMP, page 4-11
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Superuser only

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- Step 1** Complete the “[DLP-D60 Log into CTC](#)” task on page 17-47. If you are already logged in, continue with Step 2.
- Step 2** Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.
- Step 3** Perform any of the following tasks as needed:
- [DLP-D273 Modify SNMP Trap Destination, page 19-55](#)

- [DLP-D163 Delete SNMP Trap Destination](#), page 18-28

Step 4 Complete the “[NTP-D108 Back Up the Database](#)” procedure on page 15-4.

Stop. You have completed this procedure.
