



## Configuring the Network

Information pertaining to configuring the network is available in the Cisco NCS 2000 Series Network Configuration Guide. The chapters covered within this guide are listed in the following table.

Chapter	Description
<a href="#">Node Reference</a>	Explains the DWDM node types available for the Cisco NCS 2000 Series shelf assemblies. The DWDM node type is determined by the type of amplifier and filter cards that are installed. Also explains the DWDM automatic power control (APC), reconfigurable optical add/drop multiplexing (ROADM) power equalization, span loss verification, and automatic node setup (ANS) functions.
<a href="#">Turning Up a Node</a>	Explains how to provision a single Cisco NCS node and turn it up for service.
<a href="#">Performing Node Acceptance Tests</a>	Provides test procedures to verify that installed cards are operating correctly in a Cisco NCS node.
<a href="#">Network Reference</a>	Explains the DWDM network applications and topologies. Also provides network-level optical performance references.
<a href="#">Turning Up a Network</a>	Explains how to turn up and test a Cisco NCS network.
<a href="#">Creating Optical Channel Circuits and Provisionable Patchcords</a>	Explains how to create Cisco NCS optical channel client connections (OCHCCs), optical channel network connections (OCHNCs), and optical trail circuits.
<a href="#">Monitoring Performance</a>	Explains how to enable and view performance monitoring (PM) statistics for the Cisco NCS.
<a href="#">Managing the Node</a>	Explains how to modify node provisioning for the Cisco NCS and perform common management tasks such as monitoring the DWDM automatic power control (APC) and span loss values.

Chapter	Description
<a href="#">Changing DWDM Card Settings</a>	Explains how to change line, performance monitoring (PM), and threshold settings on Cisco NCS cards.
<a href="#">Alarm and TCA Monitoring and Management</a>	Contains the procedures for viewing and managing the alarms and conditions on a Cisco NCS.
<a href="#">Managing Network Connectivity</a>	Provides an overview of Cisco NCS data communications network (DCN) connectivity. The chapter shows common Cisco NCS IP network configurations and includes detailed data communications network (DCN) case studies.
<a href="#">Upgrade, Add, and Remove Cards and Nodes</a>	Provides procedures for adding and removing DWDM cards and nodes.
<a href="#">Maintaining the Node</a>	Provides procedures for maintaining the Cisco NCS, including database backup and restoration, removing and replacing cards, viewing the audit trail, and hardware maintenance procedures.
<a href="#">Administrative and Service States</a>	Describes the administrative and service states for Cisco NCS cards, optical payload ports, out-of-band optical service channel (OSC) ports, optical channel network connections (OCHNCs), and transponder/muxponder cards and ports.
<a href="#">SNMP</a>	Explains Simple Network Management Protocol (SNMP) as implemented by the Cisco NCS.
<a href="#">CTC Enhancements, Operations, and Shortcuts</a>	Describes the Cisco Transport Controller (CTC) views, menus options, tool options, shortcuts, and table display options.
<a href="#">Network Element Defaults</a>	Describes the defaults for the network element settings for Cisco NCS 2000 Series shelf assemblies.