



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
Node Reference	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.
Turning Up a Node	Explains how to provision a single Cisco NCS node and turn it up for service.
Performing Node Acceptance Tests	Provides test procedures to verify that installed cards are operating correctly in a Cisco NCS node.
Network Reference	Explains the DWDM network applications and topologies. Also provides network-level optical performance references.
Turning Up a Network	Explains how to turn up and test a Cisco NCS network.
Creating Optical Channel Circuits and Provisionable Patchcords	Explains how to create Cisco NCS optical channel client connections (OCHCCs), optical channel network connections (OCHNCs), and optical trail circuits.
Monitoring Performance	Explains how to enable and view performance monitoring (PM) statistics for the Cisco NCS.
Managing the Node	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
Changing DWDM Card Settings	Explains how to change line, performance monitoring (PM), and threshold settings on Cisco NCS cards.
Alarm and TCA Monitoring and Management	Contains the procedures for viewing and managing the alarms and conditions on a Cisco NCS.
Managing Network Connectivity	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.
Upgrade, Add, and Remove Cards and Nodes	Provides procedures for adding and removing DWDM cards and nodes.
Maintaining the Node	Provides procedures for maintaining the Cisco NCS, including database backup and restoration, removing and replacing cards, viewing the audit trail, and hardware maintenance procedures.
Administrative and Service States	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.
SNMP	Explains Simple Network Management Protocol (SNMP) as implemented by the Cisco NCS.
CTC Enhancements, Operations, and Shortcuts	Describes the Cisco Transport Controller (CTC) views, menu options, tool options, shortcuts, and table display options.
Network Element Defaults	Describes the defaults for the network element settings for Cisco NCS 2000 Series shelf assemblies.