Nortel Ethernet Routing Switch 2500 Series

Documentation Roadmap

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www.nortel.com

NN47215-103

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New in this release

The following section details what's new in *Nortel Ethernet Routing Switch 2500 Series Documentation Roadmap* (NN47215-103) for Release 4.2:

- "Features" (page 9)
- "Other changes" (page 9)

Features

This document describes no new features.

Other changes

See the following sections for information about changes that are not feature-related:

- "New documents" (page 9)

New documents

Release 4.2 includes the following new documents:

- *Nortel Ethernet Routing Switch 2500 Series Terminology* (NN47215-101)
- *Nortel Ethernet Routing Switch 2500 Series Fundamentals* (NN47215-102)
- *Nortel Ethernet Routing Switch 2500 Series Documentation Roadmap* (NN47215-103)
- *Nortel Ethernet Routing Switch 2500 Series Configuration — IP Routing and Multicast* (NN47215-503)

For more information about new documents, see "Roadmap" (page 13).

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Introduction

This document explains the organization of the technical documentation for the Nortel Ethernet Routing Switch 2500 Series Release 4.2. Use this document to understand where you can find specific types of information in the customer documentation suite.

Navigation

- “Roadmap” (page 13)
- “Information quality” (page 19)
- “Text conventions” (page 21)
- “Modular, task-based information” (page 25)
- “Customer service” (page 29)

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Roadmap

This section is a roadmap for the Nortel Ethernet Routing Switch 2500 Series documentation. Use this section to find the correct document for the task you need to perform.

Nortel Ethernet Routing Switch 2500 Series technical documents are structured with an emphasis on the tasks you perform.

Navigation

- "Customer documentation packaging" (page 13)
- "Product Fundamentals" (page 14)
- "Installation and Commissioning" (page 15)
- "Upgrades and Patches" (page 16)
- "Administration and Security" (page 17)
- "Operations" (page 16)
- "Fault and Performance Management" (page 18)
- "Documentation file formats" (page 18)

Customer documentation packaging

Nortel technical documents are organized according to job functions. For information about how the Nortel Ethernet Routing Switch 2500 Series NTP suite is organized, see the following figure.

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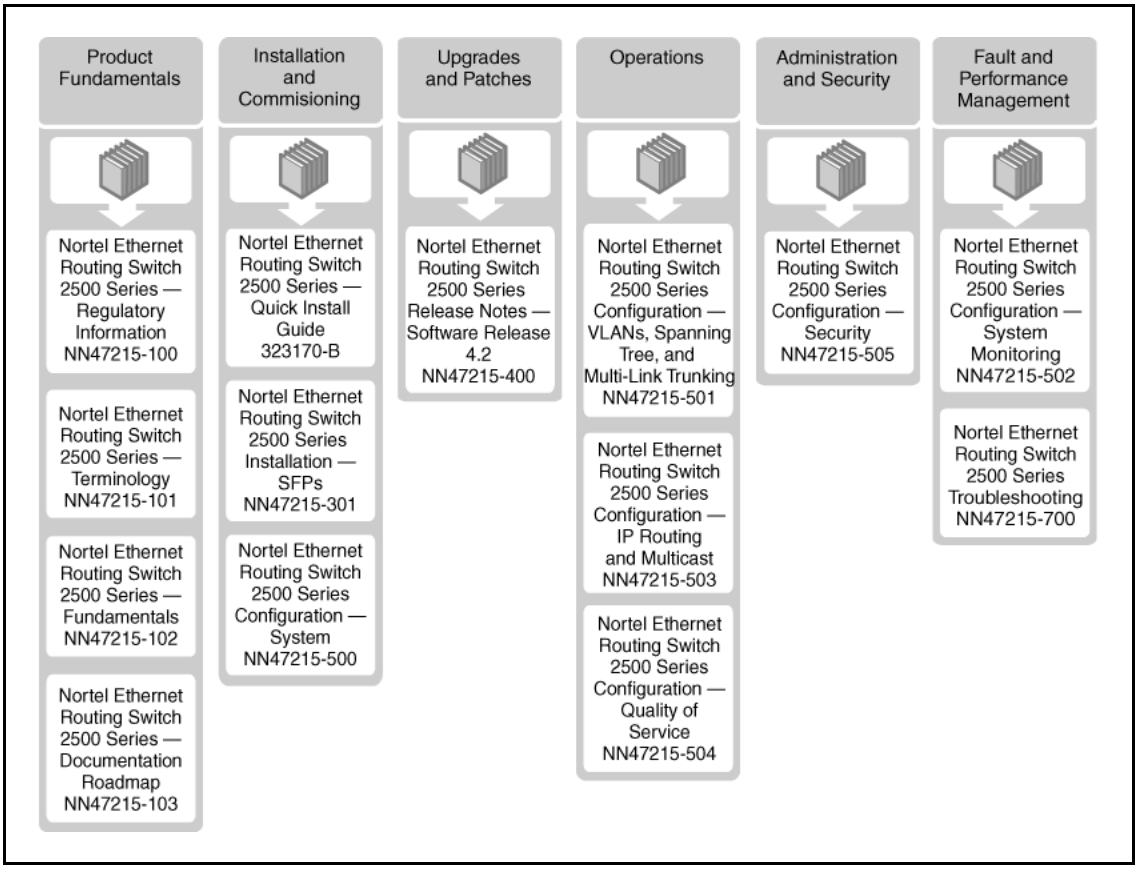
Figure 1
Nortel Ethernet Routing Switch 2500 Series documentation packaging



Product Fundamentals

Product Fundamentals documentation includes product overview and information that applies to all areas of the product.

Table 1
Nortel Ethernet Routing Switch 2500 Series product fundamentals documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series — Regulatory Information (NN47215-100)	This document provides regulatory and precautionary messages applicable to the Nortel Ethernet Routing Switch 2500 Series.
Nortel Ethernet Routing Switch 2500 Series — Terminology (NN47215-101)	This document contains common terms and acronyms used in the Nortel Ethernet Routing Switch 2500 Series documentation suite.

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Table 1
Nortel Ethernet Routing Switch 2500 Series product fundamentals documents (cont'd.)

Document title	Description
Nortel Ethernet Routing Switch 2500 Series — Fundamentals (NN47215-102)	This document provides instructions to use the Nortel Ethernet Routing Switch 2500 Series user interfaces, including Nortel Networks command line interface (NNCLI), Web-based management interface, and Device Manager, and includes procedures to use configuration files.
Nortel Ethernet Routing Switch 2500 Series — Documentation Roadmap (NN47215-103)	This document contains an overview of the documentation suite and explains how to use task-based documentation.

Installation and Commissioning

Installation and Commissioning documentation includes information that supports initial installation and commissioning (initial configuration) activities, including preparation, processes, safety requirements, and instructions for rollback procedures.

The following table describes Nortel Ethernet Routing Switch 2500 Series installation and commissioning documents.

Table 2
Nortel Ethernet Routing Switch 2500 Series installation and commissioning documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series — Quick Install Guide (323170-B)	This document provides instructions to install the Nortel Ethernet Routing Switch 2500 Series in an equipment rack or on a shelf. It also provides instructions to perform the initial IP configuration on the switch using the CLI Quickstart.

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Table 2
Nortel Ethernet Routing Switch 2500 Series installation and commissioning documents (cont'd.)

Document title	Description
Nortel Ethernet Routing Switch 2500 Series Installation — SFPs (NN47215-301)	This document provides instructions to install small form factor pluggable transceivers, 10 Gigabit small form factor pluggable transceivers, and includes specifications for these hardware components.
Nortel Ethernet Routing Switch 2500 Series Configuration — System (NN47215-500)	This document provides instructions to perform basic configuration of the Nortel Ethernet Routing Switch 2500 Series including procedures to configure the switch IP address after hardware installation. It also provides instructions to configure system-level features such as stacking, feature licensing, Simple Network Time Protocol, BootP, Domain Name System, PoE, and LLDP.

Upgrades and Patches

Upgrades and Patches documentation includes information to upgrade software and hardware components.

The following table describes Nortel Ethernet Routing Switch 2500 Series upgrades and patches documents.

Table 3
Nortel Ethernet Routing Switch 2500 Series upgrades and patches documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series Release Notes — Software Release 4.2 (NN47215-400)	This document describes new features and important information about the latest release. Release Notes includes a list of known issues (including workarounds where appropriate) and a list of fixed issues.

Operations

Operations documents include information that supports tasks related to configuration (post-commissioning) of services or applications, routine maintenance of hardware or software, and accounting or billing activities.

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The following table describes Nortel Ethernet Routing Switch 2500 Series operations documents.

Table 4
Nortel Ethernet Routing Switch 2500 Series operations documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series Configuration — VLANs, Spanning Tree, and Multi-Link Trunking (NN47215-501)	This document describes procedures and conceptual information to configure VLANs, Spanning Tree, Link Aggregation Control Protocol, and Multi-Link Trunking on the Nortel Ethernet Routing Switch 2500 Series.
Nortel Ethernet Routing Switch 2500 Series Configuration — IP Routing and Multicast (NN47215-503)	This document provides procedures and conceptual information to configure IP routing features on the Nortel Ethernet Routing Switch 2500 Series, including static routes, Proxy ARP, DHCP Relay, and UDP forwarding. It also provides procedures and conceptual information to manage multicast traffic using IGMP snooping.
Nortel Ethernet Routing Switch 2500 Series Configuration — Quality of Service (NN47215-504)	This document provides procedures and conceptual information to configure Quality of Service on the Nortel Ethernet Routing Switch 2500 Series.

Administration and Security

Administration and Security documentation includes information that supports tasks that operations personnel perform that relate to network administration or product security, including the configuration and management of systems data and users. The documentation also includes the management and protection of resources from unauthorized or detrimental access and use.

The following table describes Nortel Ethernet Routing Switch 2500 Series administration and security documents.

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Table 5
Nortel Ethernet Routing Switch 2500 Series administration and security documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series Configuration — Security (NN47215-505)	This document provides procedures and conceptual information to administer and configure security features for the Nortel Ethernet Routing Switch 2500 Series, including MAC-based security, RADIUS, EAPOL, and SSH.

Fault and Performance Management

Fault and Performance Management documents include information that supports the tasks that operations personnel perform that relate to managing or preventing faults, troubleshooting, and monitoring and improving the performance of the network or product

The following table describes Nortel Ethernet Routing Switch 2500 Series fault and performance management documents.

Table 6
Nortel Ethernet Routing Switch 2500 Series fault and performance management documents

Document title	Description
Nortel Ethernet Routing Switch 2500 Series Configuration — System Monitoring (NN47215-502)	This document provides information about system diagnostics tools including syslog, Remote Monitoring, port mirroring, and displaying port and chassis statistics.
Nortel Ethernet Routing Switch 2500 Series Troubleshooting (NN47215-700)	This document describes common problems and error messages and the techniques to resolve them.

Documentation file formats

To locate the Nortel Ethernet Routing Switch 2500 Series software Release 4.2 documentation on the Nortel Web site, see “Customer service” (page 29), or the documentation CD. The following documents are also available in print format:

- *Nortel Ethernet Routing Switch 2500 Series — Quick Install Guide* (323170-B)
- *Nortel Ethernet Routing Switch 2500 Series — Regulatory Information* (NN47215-100)

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Information quality

Nortel technical documents are tested by subject matter experts (SMEs) throughout the product development lifecycle. SMEs from Design, Product Verification (PV), Product Line Management (PLM), Verification Office (VO), and Global Network Product Support (GNPS), all contribute to document quality.

Nortel releases technical documents in the early stages of development that have not completed all testing milestones, on a limited basis. Documents that have not completed testing bear a Draft watermark on every page to indicate that the content they contain may change as the product is refined and document testing is completed. Draft documents are not widely available.

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Text conventions

This chapter describes the text conventions used in the Nortel Ethernet Routing Switch 2500 Series documentation.

Navigation

- “Angle brackets” (page 21)
- “Bold or Bold Courier text” (page 21)
- “Braces” (page 22)
- “Brackets” (page 22)
- “Ellipses” (page 22)
- “Italic text” (page 22)
- “Plain Courier text” (page 22)
- “Separator” (page 22)
- “Vertical bar” (page 23)
- “cr convention” (page 23)

Angle brackets

Indicates that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command.

Example: If the command syntax is **`ping <ip_address>`**, you enter **`ping 192.32.10.12`**

Bold or Bold Courier text

Bold or **`Bold Courier`** text indicates command names, options, and text that you must enter.

Example: Use the **`info`** command.

Example: Enter **`show ip {alerts|routes}`**.

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Example: **Protocols**, **IP** identifies the IP command on the Protocols menu.

Braces

Braces ({ }) indicate required elements in syntax descriptions where more than one option is available. You must choose only one option. Do not type the braces when you enter the command.

Example: If the command syntax is
`show ip {alerts|routes}`, you must enter either
`show ip alerts` or **`show ip routes`**, but not both.

Brackets

Brackets ([ ]) indicate optional elements in syntax descriptions. Do not type the brackets when you enter the command.

Example: If the command syntax is
`show ip interfaces [-alerts]`, you can enter either **`show ip interfaces`** or**`show ip interfaces -alerts`**.

Ellipses

An ellipsis (...) indicates that you repeat the last element of the command as needed.

Example: If the command syntax is
`ethernet/2/1 [ <parameter> <value> ]...`,
you enter **`ethernet/2/1`** and as many parameter-value pairs as you need.

Italic text

Italic text indicates book titles or new terms followed by a definition.

Example: *Nortel Ethernet Routing Switch 2500 Series Release Notes* (NN47215-400) .

Plain Courier text

`Plain Courier` text indicates system output, for example, prompts and system messages.

Example: `Set Trap Monitor Filters`

Separator

A separator (,) shows menu paths.

Example: **Protocols** , **IP** identifies the IP command on the Protocols menu.

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Vertical bar

A vertical bar (|) separates choices for command keywords and arguments. Enter only one choice. Do not type the vertical line when you enter the command.

Example: If the command syntax is
`show ip {alerts|routes}`, you enter either
`show ip alerts` or **`show ip routes`**, but not both.

cr convention

In NNCLI procedures, when you see <cr> as an option for a command, you can press the **Enter** key on your keyboard to execute the command.

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Modular, task-based information

Modular, task-based information (MTBI) is a quick reference for using the Nortel Ethernet Routing Switch 2500 Series task-based documentation. MTBI describes the structure of task-based information and how it can be used most effectively.

Navigation

- "Task-based documentation" (page 25)
- "How to use task-based documentation" (page 26)
- "Task flow overview" (page 26)
- "Work flows, task flows, and procedures" (page 27)
- "Task-based documentation terms" (page 28)

Task-based documentation

Task-based documentation is a new way of packaging customer information in a structured, modular, task-centric format.

Task-based documentation focuses on what the user must do and the sequence in which to perform tasks.

The goal is to make Nortel documentation easy to find, easy to use, timely, and accurate.

The following figure describes the relationship between work flows, task flows, and procedures.

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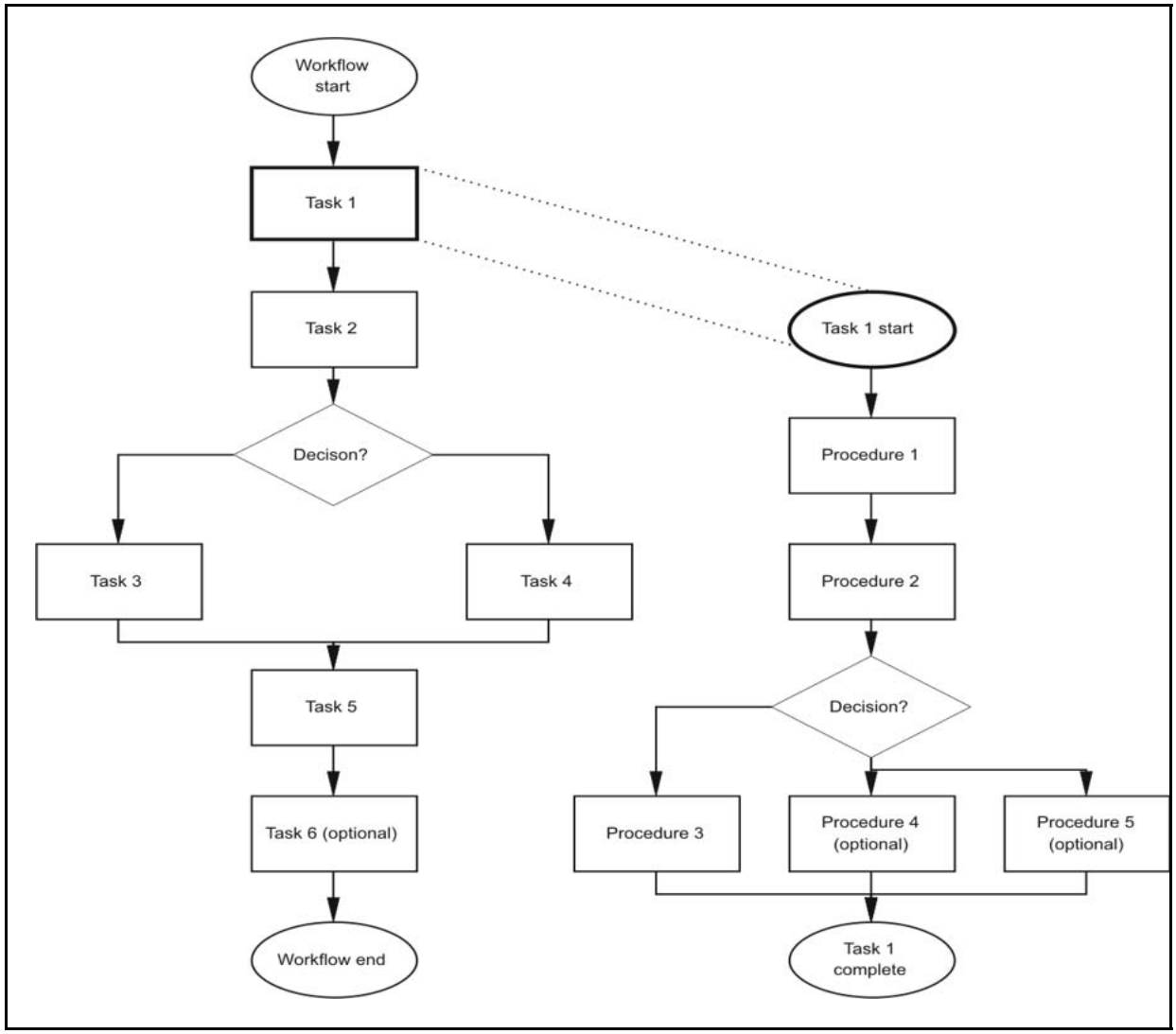

How to use task-based documentation

In task-based documentation, procedural information is included in the document. Conceptual and reference information is provided, and the user is guided on how to use conceptual and reference material by identified prerequisites or direct links and references.

The user navigates the information by following the flows that are provided for tasks and procedures.

Task flow overview

Task flows are flowcharts that illustrate which procedures and decisions are involved to complete an activity.

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The task flows guide you through activities to use the Nortel Ethernet Routing Switch 2500 Series, whether it is configuration, upgrading, installation, maintenance, or troubleshooting.

Each flow provides the prerequisites and links to the tasks or procedures.

To perform or refer to a procedure, always follow the task flow. Following the task flows ensures that you meet all the requirements for successful completion of the task.

Work flows, task flows, and procedures

Work flows, task flows, and procedures have similar elements to maintain consistency and usability. Each of the following sections have a specific function:

- “Purpose statements” (page 27)
- “Prerequisites” (page 27)
- “Work flows or task flows” (page 27)
- “Procedure steps” (page 28)
- “Example procedures” (page 28)
- “Variable definitions” (page 28)
- “Job aid” (page 28)

To understand the relationship between work flows, task flows, and procedures, see Work flows, task flows, and procedures in task-based documentation.

Purpose statements

Purpose statements explain why or when you would perform a work flow, task, or procedure and impact.

Prerequisites

Prerequisites list everything you must do or understand before you start the workflow, task, or procedure. Prerequisites can include tasks that should already be completed, risks, confirmation of system status, required knowledge, time estimates or limitations, and links to supporting information.

The prerequisite section is omitted if no required prerequisites exist.

Work flows or task flows

This section is the flow chart diagram that represents the task flow with navigational links to the tasks or procedures in the flow.

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Procedure steps

Procedures provide numerical steps that help you perform the procedure. Each step is a single action.

Example procedures

Some procedures use examples to show how to correctly perform the procedure with realistic settings.

Variable definitions

Variable definitions provide the possible values, ranges, or definitions of variables used in the procedure steps.

If variables are not used in the procedure, then the variables definition section is omitted.

Job aid

Job aids provide information help to successfully perform the procedure.

The job aid is only used when required.

Task-based documentation terms

The following table describes task-based documentation terms.

Term	Description
Work flow	A high or top-level group of tasks.
Task or task flow	A logical group of procedures represented as a single action in a flowchart diagram. Complex tasks can be divided into simpler tasks or subtasks.
Procedure	A logical group of single action steps in a task.
Step	A single action performed in a procedure.
Variable	A placeholder in procedure steps representing a value or definition.

Restructuring Nortel technical documents into a task-based format is an ongoing initiative. The documentation for some Nortel products is already converted to the new format.

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Navigation

- "Updated versions of documentation" (page 29)
- "How to get help" (page 29)
- "Express Routing Codes" (page 29)
- "Additional information" (page 30)

Updated versions of documentation

You can download and print the latest versions of Nortel Ethernet Routing Switch 2500 Series technical documentation and Release Notes directly from the Internet at http://nortel.com/documentation.

How to get help

If you purchased a service contract for your Nortel product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel service program, you can get help by contacting one of the Nortel Technical Solutions Centers found at http://www.nortel.com/callus; or visit our Technical Support site at http://www.nortel.com/support.

Express Routing Codes

An Express Routing Code (ERC) is available for many Nortel products and services.

When you use an ERC, your call is routed to a technical support person who specializes in supporting that particular product or service. To locate an ERC for any product or service, go to http://www.nortel.com/erc.

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Nortel Ethernet Routing Switch 2500 Series

Documentation Roadmap

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