

NetPerformer[®] System Reference

Using this Document Series



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About the Documentation

1.1 About This Guide

The *NetPerformer System Reference* includes detailed information on NetPerformer features, menus, commands, parameters and statistics displays for versions V10.2.3 R10 and higher. However, this Reference Guide does not address commonly used telecommunications concepts or terminology.

This guide provides the following:

- Describes the NetPerformer *Command Line Interface* (CLI) and provides both *SNMP* and *Text-based Configuration* equivalents.
- Provides information about how the NetPerformer operates, what applications it supports and which standards it follows.
- Allows the expert user to fine tune the NetPerformer configuration for maximum effectiveness in your network. Novice users and users with complex network requirements may also need this level of detail to fully understand all product functions, concepts and operations.

All NetPerformer documents are available on the *NetPerformer Documentation CD*, which is included with your product package (Ordering Part No.: 520-0081-001).

The *NetPerformer System Reference* includes a large amount of information, but when used correctly can provide quick answers to common questions about configuring and monitoring the NetPerformer:

- How do I find information to configure a particular application? See [“To Configure a Particular Application” on page 3-2](#).
- How can I learn more about a particular NetPerformer function? See [“To Learn More About a NetPerformer Function” on page 3-4](#).
- How do I find information about a particular parameter? See [“For Information About a Particular Parameter” on page 3-5](#)
- What commands should I use to change one area of the current configuration? See [“To Change One Area of the Configuration” on page 3-6](#)
- How does this document series relate to the legacy *NetPerformer System Reference Manual*? See [“About the Legacy System Reference Manual” on page 1-6](#).

1.1.1 Instructions for the Reader

Instructions for the reader include notes, cautions and warnings, which are distinguished from the rest of the text by distinctive formatting and icons. Here is an example of each:

NOTE: A note may contain a reference, tip or other information related to the subject at hand. The content of a note is intended to be helpful or of interest to the reader.



A caution contains an instruction that the reader **must follow** in order to prevent damage to equipment, network failure or loss of data. **The content of a caution must be read carefully and explicitly obeyed.**



A warning contains an instruction that the reader **must follow** in order to prevent electrical shock, death or serious injury to personnel. **The content of a warning must be read carefully and explicitly obeyed.**

1.1.2 Request for Comments

Our Technical Publications group welcomes your feedback. Please help us improve future releases of this document by sending us your comments and suggestions. You can send email to at docs@memotec.com.

1.2 Enter a Menu Sequence

An instruction to *enter a menu sequence* means you should *enter* each menu name separately on succeeding lines of the console display. The elements of a menu sequence are separated by the carriage return symbol, ↵.

For example, the instruction:

Enter the menu sequence: **SE** ↵ **IP** ↵ **OSPF** ↵ **AREA**

means you should do the following:

1. Type **SE**
2. Press the <Enter> key
3. Type **IP**
4. Press the <Enter> key
5. Type **OSPF**
6. Press the <Enter> key
7. Type **AREA**
8. Press the <Enter> key.

1.2.1 Variables

A menu sequence may include a variable, which must be replaced with an appropriate value when you execute the command. Variables are presented in *italic font*, with spaces replaced by underscoring.

For example, the instruction:

Enter the sequence: **SE** ↵ **SLOT** ↵ *sLot_number* ↵ **LINK**

means you should do the following:

1. Type **SE**
2. Press the <Enter> key
3. Type **SLOT**
4. Press the <Enter> key
5. Type the desired slot number (**1**, **2**, **3** or **4**)
6. Press the <Enter> key
7. Type **LINK**
8. Press the <Enter> key.

1.2.2 Parameter Names

A parameter name as it appears on the NetPerformer console is distinguished from the surrounding text by the use of *italic font*. For example, in the instruction:

```
Enable the IP Router, if desired (default ENABLE)
```

The parameter name that actually appears on the console is *Router*.

1.3 Essential Parameter Values in Application Examples

In application examples, essential parameters appear in **boldface type**. These parameters must be configured with the displayed values for the application to work. All other parameter values are non-essential, that is, in most cases they do not need to be changed from their default values.

Here is an example from a SkyPerformer application, where the values of the *Protocol*, *Type*, *Interface* and *Port speed (bps)* parameters must be set to the specified values:

```
...
PORT 1> Protocol.....SP
PORT 1> Type.....MODULATOR
PORT 1> Interface.....DTE-V35
PORT 1> Clocking mode.....EXTERNAL
PORT 1> Port speed (bps).....512000
PORT 1> Fallback speed.....ENABLE
PORT 1> Cell Packetization.....NO
PORT 1> Congestion flow control.....ON
PORT 1> CLLM function.....OFF
PORT 1> Maximum number of voice channels.....10000
PORT 1> Maximum Voice Channels If High Priority Data 10000
...
```

1.4 About the Legacy System Reference Manual

The *NetPerformer System Reference* is organized into modules, many of which broadly compare with the chapter structure of the legacy *NetPerformer System Reference Manual* (Rev. H1). If you are familiar with the structure of the legacy reference manual, you can use the comparison in [Figure 1-1](#) to find the latest information on the features you use the most.

NOTE: As indicated in [Figure 1-1](#), two chapters of the legacy reference manual are no longer included. Non-channelized digital connections are a feature of legacy products only. Power consumption information can be found in the *Hardware Installation Guide* for your NetPerformer product.

The new *System Reference* will be released in stages over a period of several months.

- The first modules to be released are those that contain information on new features in NetPerformer V10.2.1 and 10.2.2
- These initial releases may contain references to other modules that have not yet been published. In the interim, you can use [Figure 1-1](#) to work back to the original chapter of the legacy reference manual to find the referenced information
- Additional information is provided in the Release Notes to all software versions, as well as the various Addenda to the *NetPerformer System Reference Manual*
- A complete list of NetPerformer documents is provided in “[NetPerformer Document Set](#)” on [page 2-2](#).

NOTE: The old *NetPerformer System Reference Manual* (Rev. H1) will be included on the *NetPerformer Documentation CD* until such time as all modules of the new *NetPerformer System Reference* have been released.

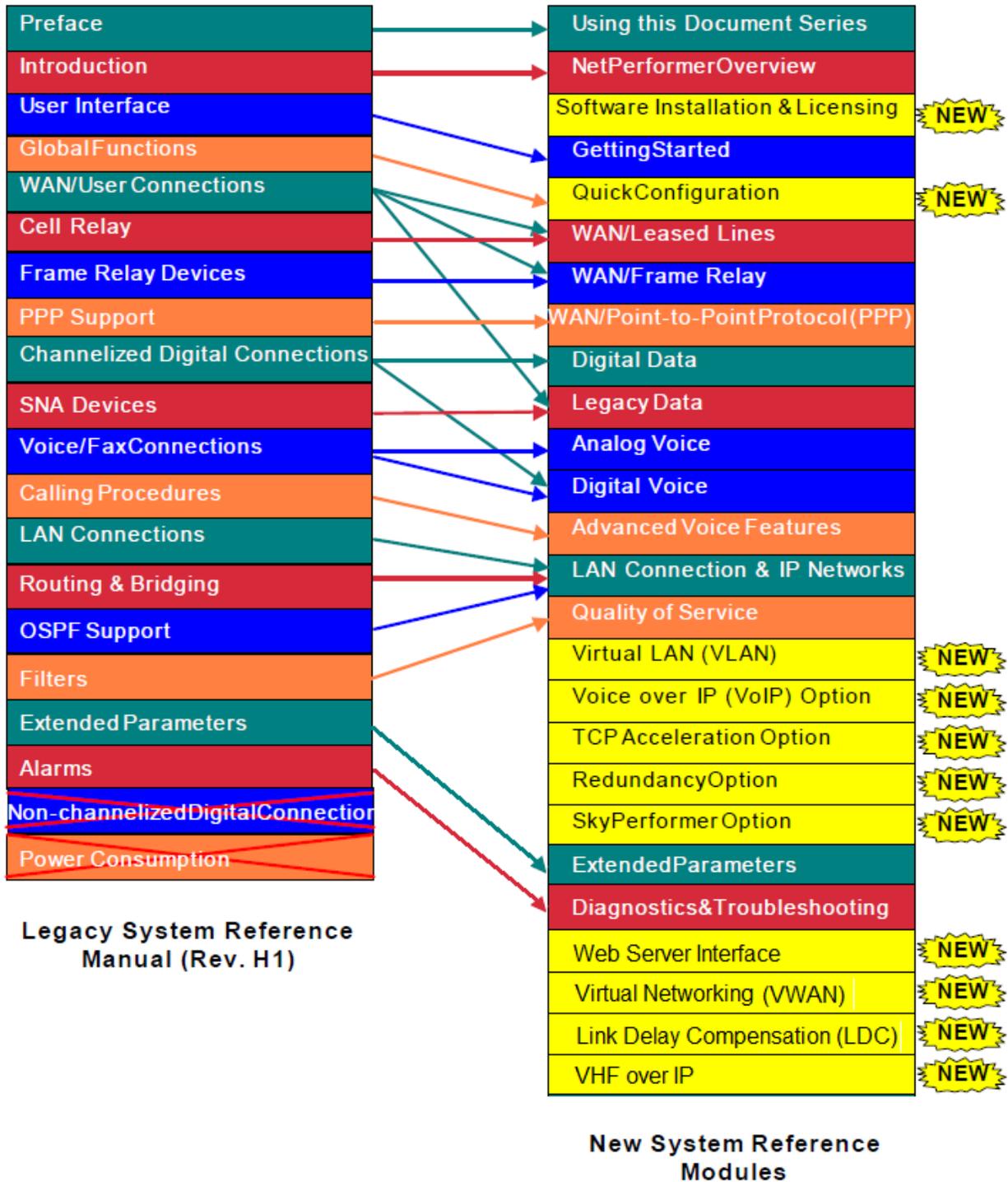


Figure 1-1: System Reference Modules from the Legacy System Reference Manual



Related Documents

2.1 NetPerformer Document Set

NOTE: All of the documents listed here are available on the *NetPerformer Documentation CD*, which is included with your product package (Part No. 520-0081-001).

For complete information on the NetPerformer, consult the following:

- *NetPerformer Reference Guides*
Includes detailed information on NetPerformer features, menus, commands, parameters and statistics displays for versions V10.2.1 R02 and higher. This System Reference, which is divided into modules for each application, also integrates all information from the *Addenda to the NetPerformer System Reference Manual* for versions 9.0.0, 9.1.0, 9.2.0 and 10.1.X.
- *NetPerformer Hardware Installation Guides*
These documents describe the hardware specific to each NetPerformer product, including base hardware features, installable options and complete installation instructions.
- *NetPerformer Release Bulletins*
These documents summarize the system specifications, software fixes and changes, and post-production documentation changes for a particular NetPerformer release. They also include firmware upgrade warnings.



Navigation Tools

3.1 To Configure a Particular Application

3.1.1 Link from Top Level Links Page

Many individual applications are described in a separate module of this document series.

- From the **Window** drop-down menu of Adobe Acrobat Reader™, go to the *Top Level Links.pdf* file. This is the first page that opened when you clicked *NetPerformer System Reference* from the Documentation CD
- Click on the desired application. The document will open in a separate window.

3.1.2 Use the Search Command

- Execute the *Search* function of Adobe Acrobat Reader:
 - Click the **Search** icon:  Search
 - Press <CTRL-F>
 - Select **Search** from the **Edit** drop-down menu.

A selection window will appear on the right side of the screen for entering the search criteria:

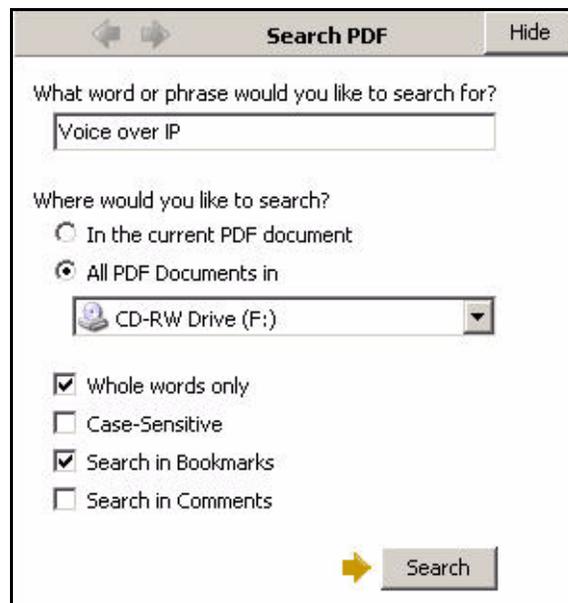


Figure 3-1: Search Dialog Box

- In the text box that says *What word or phrase would you like to search for?* enter the name of the application you would like to configure

- Under *Where would you like to search?* click the **All PDF Documents in** button, and select the folder that contains the *NetPerformer System Reference* from the list box
- Click any filters you would like to apply to your search, e.g. **Whole words only**
- Click the **Search** button. The results of your search will appear as a list of hyperlinks below the selection criteria
- Click on a link to jump directly to the document and page where this item occurs.

3.1.3 Link from Table of Contents

- From the **Window** drop-down menu of Adobe Acrobat Reader, go to the *Top Level Links.pdf* file
- Click the topic that covers the application you want to support
- Using the *Bookmarks* tree in the left window of the PDF file, click on the **Contents** bookmark
- In the text window on the right side of the screen, scroll down until you find the name of the application
- Click on the page number link to jump to that page in the file.

3.2 To Learn More About a NetPerformer Function

3.2.1 Link from Top Level Links Page

The function you are looking for may be the subject of an individual module in this document series.

- From the **Window** drop-down menu of Adobe Acrobat Reader, go to the *Top Level Links.pdf* file
- Click on the desired function. The document will open in a separate window.

3.2.2 Link from Acrobat Reader Bookmark

- From the **Window** drop-down menu of Adobe Acrobat Reader, go to the *Top Level Links.pdf* file
- Click the topic that covers the function you want to learn about
- Using the *Bookmarks* tree in the left window of the PDF file, click on the bookmark that most closely describes this function
- The section about this function will appear in the text window on the right side of the screen, starting from its first page.

3.2.3 Link from Table of Contents

- From the **Window** drop-down menu of Adobe Acrobat Reader, go to the *Top Level Links.pdf* file
- Click the topic that covers the function you are looking for
- Using the *Bookmarks* tree in the left window of the PDF file, click on the **Contents** bookmark
- In the text window on the right side of the screen, scroll down until you find the name of the NetPerformer function you want
- Click on the page number link to jump to that page in the file.

3.3 For Information About a Particular Parameter

3.3.1 Use the Search Command

- Execute the *Search* function of Adobe Acrobat Reader™ Version 6.0 or higher, as described on [“Use the Search Command” on page 3-2](#)
- In the text box that says *What word or phrase would you like to search for?* enter one of the following:
 - If you are at the NetPerformer console: part or all of the parameter name **as it is listed on the console**
 - If you are using the text-based configuration file (CFG.TXT): the **header name and parameter name**.
- Under *Where would you like to search?* click the **All PDF Documents in** button, and select the drive that contains the *NetPerformer Documentation CD* from the list box
- Click any filters you would like to apply to your search, e.g. **Whole words only**
- Click the **Search** button. The results of your search will appear as a list of hyperlinks below the selection criteria
- Click on a link to jump directly to the document and page where this item occurs.

3.3.2 Link from Index

Configuration parameters are listed in the *Index* of each module.

- Using the *Bookmarks* tree in the left column of the PDF file, click on the *Index* bookmark
- Click on the bookmark of the first letter of the parameter name **as it is listed on the console**
- In the text window on the right side of the screen, scroll down until you find the parameter name
- Click on the page number link to jump to that page in the file.

3.4 To Change One Area of the Configuration

3.4.1 Link from Index

- From the **Window** drop-down menu of Adobe Acrobat Reader, go to the *Top Level Links.pdf* file
- Click the topic that covers the area of the configuration that you want to change
- Using the **Bookmarks** tree in the left column of the PDF file, click on the **Index** bookmark
- Click on the bookmark of the **first letter of the application name**
- In the text window on the right side of the screen, scroll down until you find the name of the application you want to support
- Click on the page number link to jump to that page in the file.

NOTE: The *Index* also lists most applications under the **Applications** entry.

3.4.2 Find One of the Parameters

- Locate the detailed description of one of the parameters in the area of the configuration you want to change. See [“For Information About a Particular Parameter” on page 3-5](#)
- The section containing this detailed description starts with a hyperlink to the complete console listing of the command sequence used
- An abbreviation of the command sequence appears above the console listing, e.g. **SE/PORT/1/PVCR – CALL-BKUP Mode**.
- Scroll up to see a diagram of the command sequence required to change this parameter, presented as a path in the CLI tree.

3.5 Changes to Console Operations

The following changes to console operations were made in NetPerformer firmware version V9.2.0, and still apply to firmware version V10.1.0. If you are familiar with previous versions of the NetPerformer firmware, these changes should be taken into consideration before you attempt to configure or manage the product.

- The way you access the NetPerformer console has changed to allow for multiple user profiles:



The default **LOGIN** is now **ADMIN** instead of **ACT**.

NOTE: The default **PASSWORD** for this login remains **SETUP**.

- For full instructions on setting up user profiles, refer to the *Getting Started* module of this document series.
- Speed dial numbers in the Voice Mapping Table are now always variable in size (from 1 to 30 digits). As a result:
 - The length of the speed dial number is no longer defined with a global parameter (in the **SETUP/GLOBAL** submenu), which was the case in previous firmware releases.
 - The NetPerformer system now determines that a dialing sequence is completed when the global (inter-digits) *Dial timer* expires or when the user terminates dialing with the pound sign (#).
- The length of the extension number for a Voice Mapping Table entry is now configurable for each MAP entry. As a result:
 - The *Extension number (no. of digits)* parameter has been removed from the **SETUP/GLOBAL** submenu.
 - A new parameter, *Number of user extended digits*, has been added to the **SETUP/MAP** submenu. This parameter is requested only when the *Extended digits source* is set to **USER**.



Memotec Services

4.1 Technical Support

NetPerformer Technical Support is designed to meet your full range of support needs. From basic service to mission-critical support, we are committed to ensuring your success with NetPerformer products. We tailor different support plans to meet your evolving business requirements. By employing state-of-the-art products and the latest technologies available, we provide some of the fastest, most efficient service in the industry.

Our entire support organization is focused on complete customer satisfaction and providing immediate solutions to your business needs.

You can contact NetPerformer Technical Support by calling or sending email to our help desk facilities:

Telephone: +1 514.738.4781 during regular business hours, EST (GMT-05:00)

Email: NetPerformer.Support@memotec.com

Be prepared to provide the following:

- Your name
- Company name
- Your location
- Telephone number
- Release numbers of NetPerformer products
- Product serial numbers
- Detailed problem description
- Remote access to the troubled unit via Telnet or dial-up modem.

4.2 Training

We offer a variety of classes to reduce your learning curve and make your employees more productive. Students learn how to tailor NetPerformer products to meet their specific business requirements. Each course is developed and delivered by certified instructors who have in-depth expertise and extensive technical training experience. Customized courses are also available.

To learn more about our training services, email our education facilities at memotctraining@memotec.com.

4.3 Sales Contacts

To order NetPerformer units and optional hardware or licensed software options, contact Memotec Inc. or your NetPerformer distributor. To contact Memotec Inc.:

- Mail:
Memotec Inc.
7755 Henri Bourassa Blvd. West
Montreal, Quebec,
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during regular business hours, Eastern Time (GMT-05:00)
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For local offices and sales representatives, visit our website:

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