# COMSPHERE 6800 SERIES NETWORK MANAGEMENT SYSTEM

# **CORE COMMAND REFERENCE MANUAL**

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NOTE

This document supports Release 4.2 or greater of 6800 Series NMS.



#### COMSPHERE

6800 Series Network Management System Core Command Reference Manual 6800-A2-GB30-20

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# Preface

## **Objectives and Reader Assumptions**

The COMSPHERE 6800 Series Network Management System Core Command Reference Manual provides a description of the core commands that can be used to configure and manage the Paradyne and DATAPHONE<sup>®</sup> II products managed and monitored by the COMSPHERE<sup>®</sup> 6800 Series Network Management System (NMS). Users should have knowledge of modems, multiplexers and network management systems.

### Abstract

Chapter 1 contains an overview of the core commands, the 6800 Series NMS Tasks menu, input and results forms, and the common fields such as **Destination for results** and **Schedule execution**.

Chapter 2 provides the descriptions of the input and results forms for the Manager, Map, Monitor, Summary and Performance Reports tasks.

Chapter 3 provides the descriptions of the input and results forms for the Trouble/Inventory Reports task.

Chapter 4 provides the descriptions for the input and results forms for the Trouble Tracking task.

## **Related Documents**

Contact your sales representative for additional product documentation.

6500-A2-GA21	ANALYSIS 6510 Automated Network Management System Reference Manual
6800-A2-GB21	COMSPHERE 6800 Series Network Management System Multiplexer Management and Configuration Guide
6800-A2-GB31	COMSPHERE 6800 Series Network Management System Communications Products Support Command Reference Manual
6800-A2-GB32	COMSPHERE 6800 Series Network Management System Multiplexer Command Reference Manual

6800-A2-GE26	COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide
999-100-231IS	DATAPHONE II Series 700 STAT MUX User's Manual
999-100-234IS	DATAPHONE II Series 700 NETWORKER User's Manual
999-100-237IS	DATAPHONE II Series 700-724/735 T-MUX User's Manual
999-100-289IS	DATAPHONE II 740/741 ACCULINK Multiplexer User's Manual
999-100-227	DATAPHONE II 745 ACCULINK Multiplexer User's Manual

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## **Overview**

This manual describes the core commands used in the COMSPHERE® 6800 Series Network Management System (NMS). Core commands act or report on NMS databases and on the NMS itself, as opposed to network commands that act on devices. (Refer to either the *COMSPHERE* 6800 Series Network Management Communications Products Support Command Reference Manual or the COMSPHERE 6800 Series Network Management System Multiplexer Command Reference Manual for information on device-specific commands.)

You access core commands from the Manager, Map, Monitor, Trouble/Inventory Reports, and Trouble Tracking tasks. (All commands under these tasks, except for those under Network Control in the Manager task, are core commands.) Functionally, the commands under the Performance Reports task operate the same as those commands of the same name under the Manager task. All other Performance Reports task commands and Network Control commands are described in the aforementioned device-specific reference manuals.

This chapter provides overview information on using the 6800 Series Network Management System and accessing the core commands. It also provides a description of the command format used in this manual to document each command. This chapter includes instructions on entering abbreviated versions of options when specifying command execution parameters, and the use of wildcard characters. The common fields (**Destination for results** and **Schedule execution**) in the command input forms are defined in detail to eliminate the repetition of this information for each command. It is assumed that you are already familiar with the screen functions offered with both the full-feature 6800 Series NMS workstation and the basic-feature 6800 Series NMS workstation. If you are not familiar with the screen functions provided by the workstations, refer to Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for this information.

#### 6800 Series NMS-Supported Devices

The devices supported by the NMS are described in Chapter 1, *Introduction*, of the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide.

#### **Naming Conventions**

NMS naming conventions enable you to assign a name to a device and to assign a network or circuit name to a group of logically related devices, such as those devices sharing a common customer, location, or application. You can then reference or test a group of devices, a network, or a circuit by entering a single name. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for a description of the device naming methods accepted by NMS.

#### **Device Addressing**

Device addressing allows the 6800 Series NMS to communicate with the devices in the network. Refer to Appendix D of the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for a description of the device addressing methods accepted by NMS.

#### **Command Access**

When you log on to the 6800 Series NMS, the 6800 Series NMS Tasks menu displays (Figure 1-1).

To request a core command, select the Manager task. Then, select an option. The submenu either displays commands available for that option or another submenu. For trouble and inventory reports, select the Trouble/Inventory Reports task. For trouble tracking options, select the Trouble Tracking task.

You can request a command at the task menu level, or at any of the task's submenu levels, by entering the command's abbreviation in the **enter selection** field. In the submenu, listing the command, you can enter the command's menu number as well.

Once the selection is made, you can select **F2(Go)** to request the command's input form. For more information on selecting commands, depending on basic-feature or full-feature workstations, refer to the *COMSPHERE 6800 Series Network Management System User's*/*System Administrator's Guide*.



Figure 1-1. 6800 Series NMS Tasks Menu

#### Shortcut for Command Access

You can type any command valid for a task window in the **enter selection** field of any submenu within that task window and select **F2(Go)**.

#### Wildcard Characters

In certain input form fields, e.g., device address fields, you can enter an asterisk (\*) to specify any character string. For example, if you wanted to enter a device address for all multiplexer nodes on control channel m2, you can type:

#### m2/\*

This would indicate all nodes under control channel m2. For more information on wildcard characters, refer to Appendix C of the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

#### Multiple Entries

Multiple entries are permitted in some fields. You must separate each entry with either a comma or a space. These fields are identified in the manual.

# Format for Documenting Commands in This Manual

Each command documented in this manual begins on a new page.

The format for documenting each command is the same. The command is briefly summarized as to its function, followed by the following information.

#### Access Level

Identifies the user group access level required to access the command. NMS commands are associated with at least one of four default user groups, or access levels. These levels are, in order of increasing command permission:

- Help Desk
- Data Technician
- Manager
- Administrator

#### NOTE

In addition to the four default user groups, the NMS System Administrator can create up to 26 other user groups for each command in this manual. It is the responsibility of the NMS System Administrator to establish the user groups and inform all the users about the configuration of their system.

Users must have the appropriate functional access level set in their user profile to execute a command. Any command associated with a particular user group can be executed by any user that has equal or greater command permission. Therefore, the System Administrator (Administrator level) has access to all commands. If a user does not have permission to a command, that command is not displayed in the user's menus. If the user attempts to request the command in the **enter selection** field, a message will indicate that permission is denied. The default access levels for all commands are listed in Appendix B in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

#### Abbreviation

Identifies the command as it appears on the command submenus. If the command submenus are bypassed by typing the command abbreviation on the **enter selection** field, the abbreviation must be entered exactly as shown.

A unique abbreviation is provided for each command. For some commands, an alternate command abbreviation from earlier 6800 Series NMS releases is also recognized by NMS. For such commands, these alternate abbreviations are also listed.

#### Restrictions

Identifies any limitations associated with the execution of the command, or any additional information that you may need for successful execution of the command.

#### Routine

Indicates whether or not a command can be placed in a routine. A routine is a set of up to 25 commands that can be grouped together and executed sequentially by specifying the routine name on the **enter selection** field. The determination of whether or not a command can be placed in a routine depends, in part, on the task window from which the command is accessed.

#### Schedule

Identifies whether or not a command can be scheduled for later or repeated execution. The determination of whether or not a command can be scheduled depends, in part, on the task window from which the command is accessed. Refer to the discussion on **Schedule execution** under the section *Common Fields on Input Forms – Destination for results and Schedule execution* in this chapter for additional information on scheduling parameters.

#### **Related Commands**

Lists other core commands that relate to the function executed by this command.

## **Command Input Forms**

Every core command uses one or more input form pages. The appropriate input form pages display when you request a command, enabling you to enter input parameters required for execution of the command.

On most of the input forms that list valid entry options for a field in a pop-up menu, you are able to abbreviate your entry of the option by typing the first or first few characters of the word to uniquely identify that word to the system. For example, in the **Destination for results** field, the valid entry options are **crt**, **remote**, **printer**, **queue**. You only need to enter the first letter of each word (**c**, **r**, **p**, **q**, respectively) to uniquely identify that option word from the other listed options. Figure 1-2 is an example of an input form.



Figure 1-2. Example of an Input Form

#### **Required Fields**

Certain fields on the input form require that you input the data requested before NMS allows you to execute the command. These fields appear on the input form in a solid box.

#### **Optional Fields**

Optional fields do not require you to input data before continuing with the command, either because this data is not needed by NMS, the data is supplied by the devices via NMS, or (in the case of sorting selection fields) this field can be ignored in the search. Optional fields appear on the input form as underlined.

#### **Display-only Fields**

Display-only fields display data, but do not allow you to enter new data or change the data displayed. These fields appear on the input forms without boxes or underlines.

#### **Carried-over Fields**

Carried-over fields display information provided by the user on a previous form of the current command. Carried over fields may be display-only, or in some cases, may allow user input.

#### Common Fields on Input Forms – Destination for results and Schedule execution

#### **Destination for results**

Use this field to specify where NMS should send the results from the command execution. Valid options are **crt**, **remote**, **printer**, **lp**, and **queue**. Multiple destinations can be specified.

#### crt

Causes the command results to display on your workstation screen. You cannot schedule execution of the command for a later time if you specify the destination as **crt**; the command must be executed immediately.

#### NOTE

When you specify **crt**, NMS does not allow any other command to be accessed from the current window until execution of the current command has completed. Certain commands, e.g., tests that take several minutes to execute, or reports that include large volumes of data, can take several minutes to complete. In these instances it is recommended that you send the results of the command to a queue or to a printer, in which case the command will execute in the background, allowing you to access and execute other commands.

#### remote

Sends the results of the command to a remotely located printer. If you specify **remote**, a telephone number prompt displays on the screen to enable you to specify the telephone number of the remote printer or the ATR remote printer port. If a phone number has been included in your user profile (an optional field in the user profile), this printer destination becomes the default number. If a hardwired remote printer port is available, the keyword **port** can be entered instead of the phone number.

The **remote** field does not apply to Reports and Trouble Tracking commands. The output of those commands cannot be sent to a remote printer.

#### lp

Sends results to a remote line printer. You are prompted for the name of the remote printer in a field that appears below the destination field.

#### printer

Sends the results of the command to the local system printer assigned in your user profile.

#### queue

Sends the results of the command to one of your own results queues. Command results may go to one of three results queues, depending on the task window from which the command was executed.

#### Schedule execution

This option enables you to direct the system to execute commands and routines automatically at selected times or repeatedly at regular intervals. Valid options are **now**, **delayed**, **weekly**, and **monthly**.

#### now

Causes the command to be executed immediately. If you enter **crt** in the **Destination for results** field, you must enter now in the **Schedule execution** field.

#### delayed

Causes the command to be executed at a future time. When you enter **delayed** in the **Schedule execution** field, the following additional fields are displayed:

#### Date(s)

The command executes on the date(s) specified in this field. You can enter as many dates as will fit in the field. Separate all dates with commas or spaces. Valid entries are **today**, **today**+**nn**, **last**, **mm/dd/yy**, **mm/dd**, **dd**.

Where:	today	= Execute today.
	today+nn	= Execute nn number of days from today.
	last	= Execute on the last day of the month.
	mm/dd/yy	= Execute on the specified month, day and year.
	mm/dd	= Execute on the specified month and day; the year defaults to the current year.
	dd	= Execute on the specified day; the month and year default to the current month and year.

#### Time(s)

The command executes at the time specified in this field.

Valid entries are hh:mm, hh:mmam or pm, hh-hh:mm, and all:mm.

Where:	hh:mm	= Execute at the 24-hour time specified.
	hh:mmam or	
	hh:mmpm	= Execute at the 12-hour time specified with an am or pm designation.
	hh-hh:mm	= Execute every hour within the time range specified, at the specified minute.
	all:mm	= Execute every hour at the specified minute.

#### weekly

Causes the command to execute on a weekly basis. When you enter **weekly** in the **Schedule execution** field, the following additional fields are displayed:

#### Day(s) of the week

Enter the day(s) of the week when the command is to execute. Valid entries are

- The days of the week in abbreviated form, e.g., **sun, mon, tue, wed, thu, fri, sat**. Multiple entries are allowed separated by commas or spaces.
- A range of days separated by a dash, e.g., sun-thu.
- The keyword **all** for all days of the week.

#### Time(s)

Enter the time(s) the command is to execute for each day specified. For time(s) entry parameters, refer to the Time(s) field explanation for delayed command execution.

#### Last date

Enter the stop date for command execution. If you leave this field blank the command will execute indefinitely on a weekly basis. If the last date occurs before the first scheduled date, the user is not allowed to enter that date.

For data format, refer to the **Date(s)** field explanation for **delayed** command execution. (The **today** value is not valid for the Trouble/ Inventory Reports and Trouble Tracking tasks.)

#### monthly

The command executes on a monthly basis. When you enter monthly into the **Schedule execution** field, the following additional fields are displayed:

#### Day(s) of the month

Enter the day(s) of the month when this command is to execute. Valid entries are:

- One or more days. The numbers must be separated by commas or spaces, e.g., **1,4,7,10**.
- A range of days, e.g., 8-15.
- The word **last** to execute the command on the last day of the current month.
- The word **all** to execute the command each day of the current month.

#### Time(s)

Enter the time(s) the command is to execute for each day specified. For time(s) format, refer to the **Time(s)** field explanation for delayed command execution.

#### Last date

Enter the stop date for execution of the command. If you leave this field blank, the command will execute on a monthly basis indefinitely. If the last date occurs before the first scheduled date, the user is not allowed to enter that date.

For date entry parameters refer to the **Date(s)** field explanation for **delayed** command execution. The **today** value is not valid for the Trouble/Inventory Reports and Trouble Tracking tasks.

#### **Results Forms**

Each command is associated with one or more results forms. Depending on the command issued, the results form(s) can display a success or failure message for command execution, reflect the changes made as a result of the command execution, or display detailed information. A results form trailer message indicates start and stop times for command execution. Figure 1-3 shows an example of a results form.

RESULT	System Ma S - LIST FA	anagement CILITY PROFILE	Page 1
Facility name: 004 Endpoint 1 device name: Endpoint 2 device name: Bandwidth: Date installed: Vendor name:	node-20 ×0308	Facility type: T1 Bandwidth units: Usage:	
Facility name: 22 Endpoint 1 device name: Endpoint 2 device name: Bandwidth: Date installed: Vendor name:	node-18 pea-60	Facility type: T1 Bandwidth units: Usage:	
Help	PrevMenu	MainMenu PrevForm	Cancel

Figure 1-3. Example of a Results Form

# Help

	NMS provides several help features to assist you in command input and execution. Help is available on all screens by selecting <b>Help(F1)</b> . This function key displays a pop-up Help screen, explaining the function keys and how to invoke the Help feature. In the 6800 Series NMS Command Button window, the Help button defines the 6800 Series NMS Tasks menu screen functions. The Help button on the individual task menus describes the button's uses and how to access the Help feature on your workstation. Help features within the tasks can be accessed as follows.
In Menus	
	General help for a task can be obtained from within any menu by selecting the Help button in the logoff window from the full-feature workstation. From a basic-feature workstation, type the key sequence <b>ESC</b> ?.
In Forms	
	Each input form has associated form help text. Form help is accessed from a full-feature workstation by selecting the Help button in the logoff window. From a basic-feature workstation, type the key sequence <b>ESC</b> ?.
	Form help includes a general description of the form currently displayed. The form help text for input forms also includes general descriptions of how to enter input, how to access field help, and the types of field help available (selectable menu vs. field help text)For Screen Input Fields
	Within forms, field Help menus or text messages are accessed by selecting field labels with the mouse from a full-feature workstation (or typing ? in the field). The cursor must be positioned on the field for which help is needed. From a basic-feature workstation, type a ? in the input field. For

	Manager CREATE DEVICE PROFILE	Page 1
Inventory state:	active	
NMS support:	supported	
Device type:	Device type 56mux ab ap1 dbu ddd ddd dds mux ntwk	

tabular fields, the column label should be selected. Figure 1-4 is an example of a selected field Help menu.

Figure 1-4. Selecting Fields Listed in Tabular Form

Each field that accepts user input has associated field help. Depending on the type of field (either fixed parameter or variable parameter [i.e., a value within a range of values]), field help is either a selectable menu of valid field entries, or a text message which describes the valid input format(s) or entries.

#### NOTE

Because the Trouble Tracking and Trouble/Inventory Reports tasks do not support the mouse, you access the Help features in these tasks as you would on a basic-feature workstation.

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# **Overview**

This chapter provides descriptions for the input and results forms of the Manager task commands.

# Acquire Modem Control Channel Poll List (acmccpl)

Use the *acmccpl* command to acquire an NMS poll list of the local control modems and Data Service Units (DSUs), and to create and update device profiles for these devices when needed.

Normally, this command is used during system initialization or when adding multiple local control devices to an existing network.

When this command is executed, NMS polls all devices on the control channels specified on the *acmccpl* command input form. During command execution, each device on the specified control channel is polled sequentially. If a responding device has an existing device profile, then certain fields on the profile are updated. These fields are identified later in this command description. If a device profile does not exist, the system automatically creates a profile for the device.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator	
Abbreviation:	acmccpl Alternate: acccpl	
Restrictions:	This command can only be used to add local DATAPHONE II or ADp control devices to the NMS poll list. This command acquires the control channel poll list by queuing every possible address for that channel, up to 256 unique addresses. Because of this, it is recommended that this command only be used when many control devices are being added to the poll list, and profiles are to be created or updated for these devices. If you are adding just a few devices (modems/DSUs), then you should create or update their profiles with the Create Device Profile ( <i>crdp</i> ) or Edit Device Profile ( <i>eddp</i> ) command, and then add them to the NMS poll list by entering the <b>cc active</b> value into the <b>System polling</b> input field of the device profile.	
Routine:	Yes	
Schedule:	Yes	
<b>Related Commands:</b>	Display System Poll List (dsspl)	

#### Acquire Modem Control Channel Poll List Input Form

This input form contains the following field.

**Control channel(s)** (Required field)

Specifies the control channel(s) for which the poll list is to be acquired. Multiple entries and the keyword **all** (for all control channels) are permitted.

Click on Go (or press F2) to execute the command.

#### Acquire Modem Control Channel Poll List Results Form

This results form contains the following fields.

#### **Control channel**

The control channels specified on the Acquire Modem Control Channel Poll List input form display, each with a status indication of **success** or **failure**. A **success** indication means all devices on the control channel were successfully polled. A **failure** indication means at least one device on the control channel was not successfully polled.

#### **Command Execution Results**

When the *acmccpl* command executes, one of four possible results (listed below) occurs for each device that NMS attempts to poll on the control channel.

- 1. The device responds and has an existing device profile. The following fields in the device profile are updated with information from the polled device or with system default values. All other device profile fields are unaffected.
  - Device type
  - Version number
  - Model number
  - Serial number (returned by ADp mode devices only)
  - NMS support (set to **supported**)
  - Inventory state (set to **active**)
  - Product type
  - Protocol mode
  - System polling (set to **cc active**)
  - Device position (set to **control**)
  - Restoral device
  - Access module ID

- 2. Device responds and does not have an existing device profile. A device profile is created and the following fields are filled with information from the polled device or with system default values. All other device profile fields are unaffected.
  - Device type
  - Version number
  - Model number
  - Serial number (returned by ADp mode devices only)
  - NMS support (set to **supported**)
  - Inventory state (set to **active**)
  - Device address
  - Device name (a unique name is assigned by NMS using the device type followed by a hyphen and a positive integer)
  - Product type
  - Protocol mode
  - System polling (set to cc active)
  - Device position (set to **control**)
  - ATR authorization (set to **off**)
  - TT authorization (set to **off**)
  - UAI authorization (set to off)
  - Restoral device
  - Access module ID
- 3. The device did not respond but has an existing device profile. The **System polling** field in the device profile is set to **cc skipped**. All other device profile fields are unaffected.
- 4. The device did not respond and no device profile exists. NMS takes no action on this device.

# Alert Report Bar Chart (arbc)

Although this command is executable, it is currently inoperable.

# Copy Routine (cpr)

Use the *cpr* command to copy a personal or system routine. The new routine can be either a personal routine or a system routine. When creating a system routine, name the routine with the prefix **sys-**. Users can copy a routine from the system directory to their personal directory if they have permissions to execute all the commands in the routine. The *cpr* command does not affect the original routine.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	cpr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Routine (crr) Delete Routine (dlr) Display Routine (dsr) Edit Routine (edr) List Routines (lsr)

#### NOTE

To run a routine, you use the Execute Routine operation. This operation is described in Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide*.

#### **Copy Routine Input Form**

This input form contains the following fields.

#### **Old routine name** (*Required field*)

Enter the name of an existing personal routine, or a system routine for which you have execution privileges. A pop-up menu is available listing valid selections.

#### **New routine name** (*Required field*)

Enter the name for the copied routine. The unique name can be up to 12 lowercase alphanumeric or special characters with the exception of the following special characters: <space> \*,?!"\|. Also, the name cannot begin with a number. For system routines, use the **sys-** prefix.

Click on Go (or press F2) to execute the command.

#### **Copy Routine Results Form**

This results form shows the old and new names of the routine and indicates whether or not the routine was copied successfully.

# **Create Device Profile (crdp)**

Use the *crdp* command to manually create profiles for the devices in the network. NMS requires a device profile for any supported device to which you want to send tests/commands. You can include other devices, such as Front-End Processors (FEPs) and terminals, in the database and have them represented on the network map if they have a device profile. Some data in the device profile supplies information to the network map. Therefore, all devices appearing on the network map must have a device profile.

You must execute the Create Network Map (*crnm*) command after creating, editing or deleting device profiles for the map to reflect these changes. If the command executes while the Map task is open, you must close and reopen the Map task for the changes to be represented on the map.

In some cases, NMS creates device profiles automatically:

- Migration from a pre-Release 4.0 NMS.
- The Acquire Modem Control Channel Poll List (acmccpl) command.
- Automatic configuration uploads by connection to an ANALYSIS<sup>®</sup> NMS.

The NMS installation program creates the system device profile with the device name of system-1.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	crdp
Restrictions:	You cannot create a device profile for a device managed by an ANALYSIS NMS connected to a COMSPHERE 6800 Series NMS. NMS creates these device profiles automatically.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Network Map (crnm) Delete Device Profile (dldp) Device Inventory Report (dir) – accessed from the Trouble/Inventory Reports task Display Device Profile (dsdp) Edit Device Profile (eddp) List Device Profile (lsdp)

#### **Create Device Profile Input Forms**

There are multiple pages to this input form. Page 1 of the input form provides the fields for specifying the device. Depending on the values entered on this page, the subsequent Pages differ. Once the device is selected, NMS retrieves data for some of the input fields directly from the device whenever possible. To illustrate these input form Pages for the Create Device Profile (*crdp*) command, samples of input form Pages for modems are shown in Figures 2-1 through 2-5.

#### Page 1, All Devices



Figure 2-1. Create Device Profile Input Form, Page 1

This input form contains the following fields.

#### **Inventory state** (*Required field*)

Shows if the device is used in the network. Possible values are as follows.

#### active

Indicates that the device is active in the network. This is the default value. Supported devices with an **Inventory state** of **active** are the only devices requiring a device address.

#### limited access

Indicates that alerts can be received and tests/commands sent from NMS if a physical connection is established by the user. This field is used for remote 3800/3900 Series modems in Dial mode.

#### on order

Indicates the device is on order from the vendor.

#### repair

Indicates the device was sent for repair and not available for use in the network at this time.
#### removed

Indicates the device is no longer part the network.

#### stock

Indicates the device is in stock, but not currently used in the network.

A pop-up menu is available listing valid selections.

### NMS support (Required field)

Indicates whether the NMS supports the device. Enter either **supported** or **unsupported**. The default value is **supported**, which means that NMS can communicate with the device via an NMS command, or NMS can receive alert information from the device, or both. A pop-up menu is available listing valid selections.

#### **Device type** (*Required field*)

Specifies the type of device and determines the icon representation for the device on connectivity maps. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information.

This field, along with the **NMS support** field, determines which input forms NMS should display (forms for modems, multiplexers, unsupported devices, or the system profile). A pop-up menu is available listing valid selections.

#### **Device address** (*Required field only if* **Inventory state** *is* **active** *and* **NMS support = supported.**)

Uniquely represents the diagnostic location of the device. NMS requires this field for active supported devices. It is an optional field for devices whose **Inventory state** field is **on order, repair, stock, removed**, or **limited access**. Refer to Appendix D, *Device* Addressing, in the COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide for more information on entering a device address.

#### The **Device address** field will not be displayed if **NMS support = unsupported**.

Once the values for the fields on Page 1 have been entered, the NMS will attempt to send an ID to the specified device. If the device can respond, certain input fields in the device profile will be automatically populated with the information returned by the device.

## Page 2, Modem Devices

All modem type devices use the following input form (Figure 2-2).

#### NOTE

**Telephone no.** field is displayed when **ddd** is entered as Device type, or **3910** or **3911** is entered in the **Model numbe**r field.

	Map (Manager)	28
	CREATE DEVICE PROFILE	Page 2
NMS support: Device address:	supported Inventory sta ■	te:
Device name:		
Device type:	Protocol mo	de:
Product type:	Model numb	er:
System polling:	Version numb	er:
Serial number: Physical address:	serNumber of por	ts:
Device position:	Circuit ty	ibe:
Help Go	ClrFld PrevFld MainMenu FillFor	m Defaults Cancel

## Figure 2-2. Create Device Profile Input Form, Modem Devices, Page 2

This input form contains the following fields.

## NMS support

This field is carried-over from Page 1. This field cannot be edited on this page.

## **Inventory state**

Displays the parameter entered on the Create Device Profile. You can edit this field on this form. A pop-up menu is available listing valid selections.

## **Device address**

Displays the parameter entered on the Create Device Profile. You can edit this field on this form.

## **Device name**

Enter a unique mnemonic name for the device. The device name cannot be **all, default**, or **none**, or begin with any of the following prefixes: **net-, cir-, grp-, ser-, fac-, and cg-**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field is optional. If the field is left blank, NMS generates a unique device name after the command is executed. The format is device type followed by a hyphen and a positive integer.

## Telephone no.

Enter the device's own telephone number. *This field displays only when the ddd Device type is specified*, or **3910** or **3911** is entered in the **Model number** field.

## **Device type**

Specifies the type of device to use and determines the icon representation for connectivity maps. Although you may have already specified this field on the Create Device Profile input form, you can edit this field on this form. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's Guide for valid device types. A pop-up menu is available listing valid selections.

## **Protocol mode** (*Required field*)

Identifies the protocol mode of the device. Enter **dataphone** for devices operating in DATAPHONE II protocol mode, or **advanced** for devices operating in Advanced Diagnostic protocol mode. If NMS can communicate with the device, the device itself may have reported this information. A pop-up menu is available listing valid selections.

#### **Product type** (*Required field*)

Identifies the product name. Enter **comsphere** (for 3400/4400 Series modems, 3600 Series DSUs and DDD modems and 3800 Series DDD modems), **dataphone** (for DATAPHONE II modems and DSUs), or **3500 dsu** (for 3500 Series DSUs and DDD modems). If NMS can communicate with the device, the device itself may have already reported this information. A pop-up menu is available listing valid selections.

#### Model number (Required field)

Identifies the appropriate device model number for the given device type. If NMS can communicate with the device, the device itself may have reported this information. Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* lists the valid model numbers for modem devices. A pop-up menu is available listing valid selections.

#### System polling (Required field)

Indicates if NMS is directly polling the device. The system polling value depends on the device's inventory state, product type, and whether or not the device is on the control channel (determined by the value in the **Device address** field). A pop-up menu is available listing valid selections.

On specifying the System polling entry, observe the following rules:

- If the device has an inventory state other than active, the only allowable value is **no system poll** because NMS cannot poll a device that is not active in the network.
- If the device is a local control modem/DSU, enter either **cc active** to initiate NMS polling to that device on the control channel or **cc skipped** to stop or prevent NMS polling to that device. The **cc active** value places the device on the NMS poll list for the device's control channel. (See the Display System Poll List (*dsspl*) command.)

- If the device is operating in DATAPHONE II protocol mode and is not on the control channel or applications channel, enter either **extended poll** or **no system poll**. The **extended poll** value tells the NMS to poll the device separately with a Device Health and Status request. The device is placed on the NMS poll list. This is only necessary for DATAPHONE II mode devices diagnostically placed below the third level tributary modem. For all other modems, enter **no system poll** to prevent a separate status poll.
- For all other devices, enter **no system poll**. Refer to the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for polling information.

#### Version number

Indicates the hardware or software version of the device. Enter the alphanumeric string of the version number of the device. If NMS can communicate with the device, this field may be already populated.

## Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser-** followed by the actual serial number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information. If NMS can communicate with the device, this field may already be populated. If the device communicated all zeroes for its serial number, this field remains blank.

#### Number of ports

Designates the number of physical ports configured or available on the device. Enter a number from **0** to **1000**. The default value is **1**.

#### **Physical address**

Designates the cabinet, carrier, and slot position of the device. On the network map, the physical address displays with the device name in an object list for the parent device.

When a device profile is created or edited for a COMSPHERE 4400 Series device, the carrier, slot, and position information is validated against information returned by the device. (However, the cabinet number is not returned by the device, and thus not validated. The position is not returned by the device, but is always assumed to be **f** for front.) If the user *does not* enter a physical address, the field is automatically populated with the device's carrier, slot and position information, *when you send the command for execution.* If you entered the incorrect physical address, a form validation message displays, indicating the carrier and slot information reported by the device.

The **physical address** field is particularly useful for dial backup units and analog bridges whose parent device is a Service Restoration Control Unit (SRCU). Enter an address using format **ccc:c:sl:f**.

*Where:* ccc = Cabinet number (1-999)

- $\mathbf{c}$  = Carrier (1–9)
- sl = Slot number (1-99)
- $\mathbf{f}$  = Slot position (enter  $\mathbf{f}$  for front,  $\mathbf{r}$  for rear, or leave blank)

## **Device position**

Indicates whether the device is a control device or a tributary device. Valid values are **control, tributary** and **other**. A pop-up menu is available listing valid selections.

## **Circuit type**

Indicates the type of circuit associated with the device. Enter **multipoint, point-point**, or **other**. A pop-up menu is available listing valid selections.

## Page 3, Modem Devices

The Create Device Profile input form for modem devices, Page 3, is shown in Figure 2-3.

	Map (Manager) CREATE DEVICE PROFILE	Page 3
Device name: Date installed: Restoral device: Parent device:	Purchased/Leased: External system:	
Access module	id:	
Circuit name: Network name:	cir net	
Site name: Vendor name:		
Help Go	ClrFld PrevFld MainMenu FillForm Defaults	Cancel

Figure 2-3. Create Device Profile Input Form, Modem Devices, Page 3

This input form contains the following fields.

## **Date installed**

Indicates the installation date of the device. Enter the date of installation using the format **mm/dd/yy** (month/day/year).

## Purchased/Leased

Indicates if the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

## **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. Enter any character string up to eight characters for unsupported devices. The valid values will depend on the previously specified Device type and Product type.

Possible values for COMSPHERE modems are as follows.

ab	– Analog bridge.
acaa	- Auto-Call auto-answer dial backup unit for 3400/4400 Series modems.
apl	– Analog private line.
dbu	– Dial backup unit.
dcaa	- Dual-Call Auto-Answer dial backup unit for 3400/4400 Series modems.
dbm-i	<ul> <li>2-wire ISDN/Dial Backup Module for 3400/4400 Series modems. This childboard may not be available for your modems.</li> </ul>
dbm-v	- 2-wire Dial Backup Module for 3400/4400 Series modems.
839a	<ul> <li>Multimount dial backup unit for 3400/4400 Series modems and DATAPHONE II devices.</li> </ul>
839b	<ul> <li>Standalone dial backup unit for 3400/4400 Series modems and DATAPHONE II devices.</li> </ul>
srcu	- Service Restoration Control Unit.
none	– No restoral device configured.

Possible values for DATAPHONE II devices are as follows.

- **839a** Multimount dial backup unit for 3400/4400 Series modems and DATAPHONE II devices.
- **839b** Standalone dial backup unit for 3400/4400 Series modems and DATAPHONE II devices.
- **none** No restoral device configured.

Possible values for DDS devices are as follows.

- v 12.0 3600 Series 12,000 bps dial backup module for COMSPHERE DSUs.
- v 14.4 3600 Series 14,400 bps dial backup module for COMSPHERE DSUs.
- v 19.2 3600 Series 19,200 bps dial backup module for COMSPHERE DSUs.
- s 56.0 3600 Series Switched 56,000 bps dial backup module for COMSPHERE DSUS.
- **none** No restoral device configured.

Possible values for other devices is as follows.

- v12.0p 3600 Series 12,000 bps primary core dial backup module for COMSPHERE DSUs.
- v14.4p 3600 Series 14,400 bps primary core dial backup module for COMSPHERE DSUs.
- **s56.0p** 3600 Series Switched 56,000 bps primary core dial backup module for COMSPHERE DSUs.
- **n/a** Not applicable.

A pop-up menu is available listing valid selections.

## External system

Indicates an external system that may manage this device and for which NMS can establish a cut-through session. The list of external systems is obtained from the external systems configuration table in the database. A pop-up menu is available listing valid selections. If a system is specified here, NMS attempts a cut-through session to it whenever the **Network Control** item is selected from the device's menu.

## Parent device

Indicates the device's parent, the network object that may contain or manage the device. Enter either the parent's device address or device name. A device profile for the parent device must already exist. Although you can enter either the parent's name or address, the parent's name always displays whenever you retrieve this form. All devices with the same parent appear on the parent's object list on the network map.

## Access module id

Identifies the COMSPHERE DCE access module or circuit cards. For COMSPHERE devices, NMS may pre-populate this field.

For 3800 and 3900 Series modems, the possible value is 1-Port (a 1-port device).

Possible values for access modules used by 3400 Series modems and 4400 Series modems are as follows.

1-Port	– A 1-port Device.
4-Port TDM/MSD	<ul> <li>A 4-port Time Division Multiplexer/ Modem Sharing Device.</li> </ul>
4-Port MVM	– A 4-port Multiple Virtual Modem.
1-Port V.35	- A 1-port V.35 Device.
4-Port TDM/MSD/MVM	<ul> <li>A 4-port Time Division Multiplexer/ Modem Sharing Device/Multiple Virtual Modem.</li> </ul>

Possible values for circuit cards (access module id's field) used by 3600 Series DSUs in a 3000 Series Carrier are as follows.

ASPEN	<ul> <li>ASPEN application present.</li> </ul>
TDM CCA: ASPEN	<ul> <li>Time Division Multiplexer Circuit Card and ASPEN application present.</li> </ul>
MCMP CCA: ASPEN	<ul> <li>Multichannel Multipoint Circuit Card and ASPEN application present.</li> </ul>
V.35/232 TDM CCA: ASPEN	<ul> <li>V.35/232 Time Division Multiplexer Circuit Card and ASPEN application present.</li> </ul>
V.35/232 MCMP CCA: ASPEN	<ul> <li>Multichannel Multipoint Circuit Card and ASPEN application present.</li> </ul>

TDM CCA: CBRIDGE-ASPEN	<ul> <li>Time Division Multiplexer Circuit Card, Central Site Digital Bridge, and ASPEN application present.</li> </ul>
MCMP CCA: CBRIDGE-ASPEN	<ul> <li>Multichannel Multipoint Circuit Card, Central Site Digital Bridge, and ASPEN application present.</li> </ul>
V.35/232 TDM CCA: CBRIDGE-ASPEN	<ul> <li>V.35/232 Time Division Multiplexer Circuit Card, Central Site Digital Bridge, and ASPEN application present.</li> </ul>
V.35/232 MCMP CCA: CBRIDGE-ASPEN	<ul> <li>V.35/232 Multichannel Multipoint Circui Card, Central Site Digital Bridge, and ASPEN application present.</li> </ul>
TDM CCA/TDM	<ul> <li>Time Division Multiplexer Circuit Card Assembly/Time Division Multiplexer.</li> </ul>
TDM CCA/CBrdg	<ul> <li>Time Division Multiplexer Circuit Card Assembly/Control Bridge.</li> </ul>
TDM CCA/DBrdg	<ul> <li>Time Division Multiplexer Circuit Card Assembly/Dual Bridge.</li> </ul>
TDM CCA/EBrdge	<ul> <li>Time Division Multiplexer Circuit Card Assembly/Extended Bridge.</li> </ul>
MCMP CCA/TDM	<ul> <li>Multichannel Multipoint Circuit Card Assembly/Time Division Multiplexer.</li> </ul>
MCMP CCA/MCMP	<ul> <li>Multichannel Multipoint Circuit Card Assembly/Multichannel Multipoint.</li> </ul>
MCMP CCA/CBrdg	<ul> <li>Multichannel Multipoint Circuit Card Assembly/Control Bridge.</li> </ul>
MCMP CCA/DBrdg	<ul> <li>Multichannel Multipoint Circuit Card Assembly/Dual Bridge.</li> </ul>
MCMP CCA/EBrdg	<ul> <li>Multichannel Multipoint Circuit Card Assembly/Extended Bridge.</li> </ul>
V.35/232 TDM CCA/TDM-R	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/Time Division Multiplexer – RS232.</li> </ul>
V.35/232 TDM CCA/CBrdg	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/Control Bridge.</li> </ul>
V.35/232 TDM CCA/DBrdg	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/Dual Bridge.</li> </ul>
V.35/232 TDM CCA/EBrdg	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/Extended Bridge.</li> </ul>
V.35/232 TDM CCA/TDM-V	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/Time Division Multiplexer – V.35.</li> </ul>
V.35/232 TDM CCA/No App	<ul> <li>V.35/RS232 Time Division Multiplexer Circuit Card Assembly/No Application.</li> </ul>
V.35/232 MCMP CCA/TDM-R	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Time Division Multiplexer – RS232.</li> </ul>

V.35/232 MCMP CCA/MCMP-R	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Multichannel Multipoint – RS232.</li> </ul>
V.35/232 MCMP CCA/CBrdg	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Control Bridge.</li> </ul>
V.35/232 MCMP CCA/DBrdg	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Dual Bridge.</li> </ul>
V.35/232 MCMP CCA/EBrdg	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Extended Bridge.</li> </ul>
V.35/232 MCMP CCA/TDM-V	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Time Division Multiplexer – V.35.</li> </ul>
V.35/232 MCMP CCA/MCMP-V	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/Multichannel Multipoint – V.35.</li> </ul>
V.35/232 MCMP CCA/No App	<ul> <li>V.35/RS232 Multichannel Multipoint Circuit Card Assembly/No Application.</li> </ul>

#### Alternate mode address

This field displays only if you entered **comsphere** in the **Product type** field. Specifies the device's alternate address. Use this address when changing the protocol mode of a COMSPHERE device. If the field remains blank, the value from the **Device address** field is used. See Appendix D, *Device Addressing*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for information about device addressing and changing the protocol mode.

## **Circuit name**

Identifies the name of the circuit associated with the device. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits. The string after the **cir-** prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information on naming conventions.

#### Network name

Identifies the name of the network associated with the device. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks. The string after the **net-** prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's Guide for more information on naming conventions.

#### Site name

Identifies the name of the location of the device. If the **Site name** field is blank, the site name defaults to **unnamed**. If you enter a new name not associated with a site profile, NMS gives you the options to either edit the name or continue. If you continue, NMS creates a new profile for the site when the command is executed. The values **all** and **none** are not allowed. The site name determines the label of the site on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information on naming conventions.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name not associated with a vendor profile, NMS gives you the option to either edit the name or continue. If you continue, NMS creates a new profile for the vendor when the command is executed. The values **all** and **none** are not allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information on naming conventions.

## Page 4, Modem Devices

The Create Device Profile input form for modem devices, Page 4, differs depending on whether or not the device is a COMSPHERE 3800 Series modem Model 3811-B1-001. The input form for the COMSPHERE 3800 Series modem Model 3811-B1-001 configured as a control modem provides fields for call statistics. (See Figures 2-4 and 2-5.)

	Map (Manager) CREATE DEVICE PROFILE	Page 4
Device name:		
AUTHORIZATIONS - TT: USER CONTACT - Name: Phone number:	<u>eff</u> atr: off	UAI: off
Hddress: Help Go	ClrFld PrevFld MainMenu F	illForm Defaults Cancel

## Figure 2-4. Create Device Profile Input Form, Modem Devices (except for COMSPHERE 3800 Series Modem Model 3811-B1-001 configured as a control modem), Page 4

	Map (Manager) CREATE DEVICE PROFILE			Page 4
Device name: CALL STATISTICS - Collect: <b>Ve</b> s	Store call detail:	yes		
AUTHORIZATIONS - TT: off USER CONTACT - Name: Phone number: Address:	ATR: off	UAI:	off	
Help Go ClrF	'ld PrevFld MainMenu Fil	lForm D	efaults	Cancel

## Figure 2-5. Create Device Profile Input Form, COMSPHERE 3800 Series Modem Model 3811-B1-001 configured as a control modem), Page 4

These input forms contain the following fields.

**Call statistics** (*Required fields and for COMSPHERE 3800 Series modem Model 3811-B1-001 that are ddd device types configured as control modems*)

Displays only if you specify COMSPHERE 3800 Series modem Model 3811-B1-001. Options are as follows.

#### Collect

Enter yes or no. If yes, NMS saves call summary information for this device.

## Store call detail

Enter yes or no. If yes, NMS saves call detail information for this device.

#### **AUTHORIZATIONS** (Required fields)

## ТТ

Indicates if Automatic Trouble Tickets are authorized for the device. Enter **on** or **off.** The default value is **off.** NMS automatically generates a trouble ticket for an alert on this device if the trouble ticket authorization is turned on and the alert passes the automated action filter. A pop-up menu lists valid selections.

## ATR

Indicates if Automatic Trouble Reports are authorized for the device. This is done by specifying the appropriate ATR phone directory to use. Enter up to four numbers (1, 2, 3 or 4). If ATRs are not authorized for the device, enter off. The default value is off. ATR will be sent for an alert if ATR is authorized and the alert passes the automated action filter.

## UAI

Indicates if the Uniform Alarm Interface (UAI) is available and authorized for the device. Enter **on** or **off**. The default value is **off**. An alarm is sent over the UAI if authorization is turned on and the alert passes the UAI filter. A pop-up menu is available listing valid selections.

## USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

## Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 5, Modem Devices

This input form contains the following field.

#### Comments

Enter any additional information needed concerning the device.

Click on Go (or press F2) to execute the command.

#### Page 1, Multiplexers

Refer to Page 1, All Devices.

## Page 2, Multiplexers

When you create (or edit) a device profile for supported Series 700 nodes (except 719 and 735 nodes), the NMS sends a command to the network to obtain the node's model number, version number, and product type. The following message is displayed during this process:

#### \*\*Obtaining information from the network\*\*

If the model number and version number are valid ones (known to NMS), the values returned from the network overwrite any current data in the device profile and the model number becomes a protected field. If the information is not valid, the data currently in the profile remains.

If a command is sent to a node and there is no version number populated in the profile, the NMS updates the device profile with the version number before executing the command, if a valid version number can be obtained from the node. Otherwise, the command cannot be sent to the node until a version number is supplied to the device profile.

If the node does not respond, the following message displays:

#### \*\*No response received from node\*\*

unless it is a **ntwk** device, then no message displays. A **ntwk** device does not support a command language. The NMS attempts to obtain the information in case the device is a different device (e.g., **swtch** or **mux**).

The input form contains the following fields.

#### **Inventory state**

Displays the parameter entered on the Create Device Profile input form, Page 1 (Figure 2-1). You can edit this field on this form. A pop-up menu is available listing valid selections.

#### **Device address**

Displays the parameter entered on the Create Device Profile input form, Page 1 (Figure 2-1). You can edit this field on this form.

#### **Device name**

Enter a unique mnemonic name for the device. The device name cannot be **all, none**, **default,** or begin with any of the following prefixes: **net-, cir-, grp-, ser-, fac-,** and **cg-**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field is optional. If the user does not specify a device name, NMS generates a unique device name when the command is executed. The format of the automatically-created device name is device type followed by a hyphen and a positive integer (for example, ntwk-23). This field is carried-over from the input selection form.

#### **Device type** (*Required field*)

Specifies the type of device to use and determines the icon representation for connectivity maps. Although you may have already specified this field on the Create Device Profile input form, Page 1, you can edit this field on this form. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for valid device types. A pop-up menu is available listing valid selections.

#### Model number

Identifies the appropriate device model number for the given device type. Based on the information obtained from the device, this field can either be protected or required. NMS automatically determines this model number if it can obtain this information from the multiplexer. Model numbers that can appear for multiplexer devices are listed in Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

## **Product type**

Identifies the product name. This field automatically populates when creating or editing the profile command for device types **mux**, **swtch**, **56mux**, and **ntwk**. The product type value for the device types mentioned will be **Series 700**.

#### System polling (Required field)

Indicates whether the NMS is polling multiplexer nodes for alerts.

- For active multiplexer devices, the acceptable values are **mux poll** (NMS is polling the device) and **no system poll** (NMS is not polling the device).
- If the device has an inventory state other than active, the only allowable value is **no system poll** because NMS cannot poll a device that is not active in the network. The **ntwk** devices default to **no system poll**, since they do not support polling.

A pop-up menu is available listing valid selections.

#### NOTE

The **System polling** field does not control asynchronous event reporting from the multiplexer nodes. This is separately controlled at the node through the Change Node Configuration Parameters *(chncp)* command; this command is described in the *COMSPHERE 6800 Series Network Management System Multiplexer Command Reference Manual.* Also, polling must be **active** for the m2 control channel; refer to the Edit Alert Monitoring State *(edams)* command described in this manual.

#### Version number (Required field for device types mux, swtch, 56mux, ntwk)

Indicates the hardware or software version (feature package) of the device. Enter the alphanumeric string of the version number of the device. This field automatically populates for the device types **mux**, **swtch**, **56mux** if NMS can obtain this information from the multiplexer.

#### Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser-** followed by the actual serial number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information.

#### Number of ports

Designates the number of physical ports configured or available on the device. Enter a number from **0** to **1000**. The default value is **1**.

#### **Physical address**

This field does not apply to multiplexer devices.

#### **Device position**

Indicates whether the device is a control device or a tributary device. Valid values are **control, tributary** and **other**. A pop-up menu is available listing valid selections.

#### **Circuit type**

Indicates the type of circuit with which the device is associated. Enter **multipoint**, **point-point** or **other**. A pop-up menu is available listing valid selections.

## Page 3, Multiplexers

This input form contains the following fields.

#### **Date installed**

Indicates the installation date of the device. Enter the date of installation using format **mm/dd/yy** (month/day/year).

## Purchased/Leased

Indicates if the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

#### **Restoral device** (*n/a for multiplexer devices*)

Indicates if the device is equipped with or has access to service restoration equipment. The only acceptable value for multiplexer devices is n/a.

#### External system

Indicates an external system that may manage this device and for which NMS can establish a cut-through session. The list of external systems is obtained from the external systems configuration table in the database. A pop-up menu is available listing valid selections. If a system is specified here, NMS attempts a cut-through session to it whenever the **Network Control** item is selected from the device's menu.

#### Parent device

Indicates the device's parent, the network object that may contain or manage the device. Enter either the parent's device address or device name. A device profile for the parent device must already exist. Even though you can enter either the parent's name or address, the parent's name is always displayed upon later retrieval in this field. All devices with the same parent appear on the parent's object list on the network map.

#### **Circuit name**

Identifies the name of the circuit with which the device is associated. Circuit names begin with the protected prefix **cir**-, and are used to group devices by their logical circuits. The string after the **cir**- prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Network name

Identifies the name of the network with which the device is associated. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks. The string after the **net-** prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site name

Identifies the name of the location of the device. If you leave the **Site name** field blank, the site name defaults to **unnamed**. If you enter a new name (one for which no site profile exists), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the site. The values **all** and **none** are not allowed. The site name determines where the device appear on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name (one for which no vendor profile exits), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the vendor. The values **all** and **none** are not allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Page 4, Multiplexers

This input form contains the following fields.

#### **Device name**

This is a display-only field based on information provided in a previous input form.

#### **AUTHORIZATIONS** (Required fields)

## ТΤ

Indicates if Automatic Trouble Tickets are authorized for the device. Enter either **on** or **off**. The default value is **off**. A trouble ticket is automatically generated for an alert on this device if the trouble ticket authorization is turned **on** and the alert passes the automated action filters. A pop-up menu is available listing valid selections.

# ATR

Indicates if Automatic Trouble Reports are authorized for the device. This is done by specifying the appropriate ATR phone directory numbers to be used. Enter up to four numbers (1, 2, 3, or 4). If ATRs are not authorized for the device, enter **off**. The default value is **off**. An ATR is automatically sent to the destination specified in the phone directory for an alert on this device if ATR is authorized and the alert passed the automated action filter.

## UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device. Enter either **on** or **off**. The default value is **off**. An alarm is sent over the UAI if authorization is turned on and the alert passes the UAI filter. A pop-up menu is available listing valid selections.

## USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

# Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

## Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 5, Multiplexers

This input form contains the following field.

#### Comments

Enter any additional information needed concerning the device.

Click on Go (or press F2) to execute the command.

## Page 1, Bytex Switches

This input form contains the following fields.

#### **Inventory state**

Refer to Page 1, All Devices.

#### NMS support

Refer to Page 1, All Devices.

## **Device type**

Specifies the type of device and determines the icon representation for the device on the connectivity maps. Enter **swtch**.

#### **Device address**

Uniquely represents the diagnostic location of the device. NMS requires this field for active, supported devices. For Bytex Switches, this field consists of the channel, **e1**, followed by an alphanumeric identifier.

## Page 2, Bytex Switches

This input form contains the following fields.

## NMS support

This field is carried over from Page 1 and cannot be edited on this page.

#### **Inventory state**

Displays the parameter entered on Page 1. You can edit this field.

#### **Device address**

Displays the parameter entered on Page 1. You cannot edit this field on this form.

#### **Device Name**

Enter a unique mnemonic name for the device. The device name cannot be **all, default**, or **none**, or begin with any of the following prefixes: **net-**, **cir-**, **grp-**, **ser-**, **fac-**, or **cg-**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field is optional. If left blank, NMS generates a unique device name after the command is executed consisting of the device type, **swtch**, followed by a hyphen and a positive integer.

## **Device type**

This field is carried over from Page 1 and cannot be edited on this page. This field is carried over from the input selection form.

## **Product type**

NMS automatically populates this field with bytex switch.

## Model number

Identifies the appropriate device model number for the given device. Enter **U30**, **U50**, or **UMS** depending on which device is physically connected to NMS. A pop-up menu is available listing valid selections.

### System polling

Indicates if NMS is directly polling the device. A pop-up menu is available listing available valid selections.

#### Version number

Indicates the hardware or software version of the device. Enter the alphanumeric string of the version number.

#### Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser**-followed by the actual number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Page 3, Bytex Switches

This input form contains the following fields.

#### **Date installed**

Indicates the installation date of the device. Enter the date of installation using the format **mm/dd/yy** (month/day/year).

#### Purchased/Leased

Indicates whether the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

#### External system

Indicates an external system that may manage this device and for which NMS can establish a cut-through session. A pop-up menu is available listing valid selections which is obtained from the external systems configuration table in the database. If a system is specified here, NMS attempts a cut-through session to the device whenever the **Network Control** item is selected from the device's menu.

## **Circuit name**

Identifies the name of the circuit associated with the device. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits. The string after the **cir-** prefix cannot be **all** or **none**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's Guide for more information.

#### Network name

Identifies the name of the network associated with the device. Network names begin with the protected prefix **net-**, and are used to group devices by their logical circuits. The string after the **net-** prefix cannot be **all** or **none**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information.

#### Site name

Identifies the name of the location of the device. If the **Site name** field is blank, the site name defaults to **unnamed**. If you enter a new name not associated with a site profile, NMS gives you the option to either edit the name or continue. If you continue, NMS creates a new profile for the site when the *crdp* command is executed. The values **all** and **none** are not allowed. The site name determines the label of the site on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name not associated with a vendor profile, NMS gives you the option to either edit the name or continue. If you continue, NMS creates a new profile for the vendor when the *crdp* command is executed. The values **all** and **none** are not allowed. The site name determines the label of the site on the network map. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Page 4, Bytex Switches

This input form contains the following fields.

#### **AUTHORIZATIONS** (Required fields)

## ТΤ

Indicates if Automatic Trouble Tickets are authorized for the device. Enter either **on** or **off**. The default value is **off**. A trouble ticket is automatically generated for an alert on this device if the trouble ticket authorization is turned on and the alert passes the automated action filters. A pop-up menu is available listing valid selections.

## ATR

Indicates if Automatic Trouble Reports are authorized for the device. This is done by specifying the appropriate ATR phone directory numbers to be used. Enter up to four numbers (1, 2, 3, or 4). If ATRs are not authorized for the device, enter off. The default value is off. An ATR is automatically sent to the destination specified in the phone directory for an alert on this device if ATR is authorized and the alert passed the automated action filter.

## UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device. Enter either **on** or **off**. The default value is **off**. An alarm is sent over the UAI if authorization is turned on and the alert passes the UAI filter. A pop-up menu is available listing valid selections.

# USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

## Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 5, Bytex Switches

This input form contains the following field.

### Comments

Enter any additional information needed concerning the device.

Click on **Go** (or press **F2**) to execute the command.

## Page 1, SNMP and Brouter Devices

This input form contains the following fields.

#### **Inventory state**

Refer to Page 1, All Devices.

## NOTE

The only valid value for SNMP/brouter devices is supported.

#### NMS support

Refer to Page 1, All Devices.

#### **Device type**

Specifies the type of device and determines the icon representation for the device on the connectivity maps. Enter **snmp** or **brter**.

#### **Device address**

Uniquely represents the diagnostic location of the device. NMS requires this field for active, supported devices. For SNMP and Brouter devices, this field consists of the channel, **b1**, followed by an alphanumeric identifier. Refer to Appendix D, *Device Addressing*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Page 2, SNMP and Brouter Devices

This input form contains the following fields.

#### NMS support

This field is carried over from Page 1 and cannot be edited on this page.

#### **Inventory state**

Displays the parameter entered on Page 1. You can edit this field.

#### **Device address**

Displays the parameter entered on Page 1. You cannot edit this field on this form.

#### **IP address**

Enter the IP address for the device in the format: "xxx.xxx.xxx", where **xxx** is a number from 001 through 255. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### **Device type**

Displays the parameter entered on Page 1. You can edit this field.

## **Product type**

NMS automatically populates this field with SNMP/Brouter device.

#### Model number

Identifies the appropriate device model number for the given device type.

#### System polling

Indicates if NMS is receiving alerts from the device. A pop-up menu is available listing valid selections. Enter **off** to block the display of alerts. Enter **asynch reporting** to allow the alerts of the device to be displayed.

#### Version number

Indicates the hardware or software version of the device. Enter the alphanumeric string of the version number.

#### Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser-** followed by the actual number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Page 3, SNMP and Brouter Devices

This input form contains the following fields.

#### **IP address**

Displays the parameter entered on Page 1. You cannot edit this field.

## Date installed

Indicates the installation date of the device. Enter the date of installation using the format **mm/dd/yy** (month/day/year).

#### Purchased/Leased

Indicates whether the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

#### External system

Indicates an external system that may manage this device and for which NMS can establish a cut-through session. A pop-up menu is available listing valid selections which is obtained from the external systems configuration table in the database. If an external system name is specified here, NMS attempts a cut-through session to the specified external system whenever the **Network Control** item is selected from the device's menu.

#### **Circuit name**

Identifies the name of the circuit associated with the device. Circuit names begin with the protected prefix **cir**-, and are used to group devices by their logical circuits. The string after the **cir**- prefix cannot be **all** or **none**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information.

## Network name

Identifies the name of the network associated with the device. Network names begin with the protected prefix **net-**, and are used to group devices by their logical circuits. The string after the **net-** prefix cannot be **all** or **none**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information.

#### Site name

Identifies the name of the location of the device. If the **Site name** field is blank, the site name defaults to **unnamed**. If you enter a new name not associated with a site profile, NMS gives you the option to either edit the name or continue. If you continue, NMS creates a new profile for the site when the *crdp* command is executed. The values **all** and **none** are not allowed. The site name determines the label of the site on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name not associated with a vendor profile, NMS gives you the option to either edit the name or continue. If you continue, NMS creates a new profile for the vendor when the *crdp* command is executed. The values **all** and **none** are not allowed. The site name determines the label of the site on the network map. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System Administrator's Guide* for more information.

## Page 4, SNMP and Brouter Devices

This input form contains the following fields.

#### **IP address**

Displays the parameter entered on Page 1. You can edit this field.

#### AUTHORIZATIONS (Required fields)

## ТΤ

Indicates if Automatic Trouble Tickets are authorized for the device. Enter either **on** or **off**. The default value is **off**. A trouble ticket is automatically generated for an alert on this device if the trouble ticket authorization is turned on and the alert passes the automated action filters. A pop-up menu is available listing valid selections.

#### ATR

Indicates if Automatic Trouble Reports are authorized for the device. This is done by specifying the appropriate ATR phone directory numbers to be used. Enter up to four numbers (1, 2, 3, or 4). If ATRs are not authorized for the device, enter off. The default value is off. An ATR is automatically sent to the destination specified in the phone directory for an alert on this device if ATR is authorized and the alert passed the automated action filter.

#### UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device. Enter either **on** or **off**. The default value is **off**. An alarm is sent over the UAI if authorization is turned on and the alert passes the UAI filter. A pop-up menu is available listing valid selections.

## USER CONTACT

## Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 5, SNMP and Brouter Devices

This input form contains the following field.

#### Comments

Enter any additional information needed concerning the device.

Click on Go (or press F2) to execute the command.

## Page 1, Unsupported Devices

Refer to Page 1, All Devices.

#### Page 2, Unsupported Devices

This input form contains the following fields.

#### NMS support

This field is carried over from Page 1 and cannot be edited on this page.

## Inventory state (Required field)

Displays the value entered on the Create Device Profile input form, Page 1 (Figure 2-1). You can change this field on this form. A pop-up menu is available listing valid selections.

## **Device name**

Enter a unique mnemonic name for the device. The device name cannot be **all, none**, default or begin with **net-**, **cir-**, **grp-**, **ser-**, **fac-**, or **cg-**. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. The device name is optional, and NMS generates a name if you do not enter one (device type followed by a hyphen and a positive integer).

#### **Device type** (*Required field*)

Specifies the type of device used and determines the icon used in connectivity maps. You may have already entered this information on the Create Device Profile input form, Page 1 (Figure 2-1). You can change this field on this form. A pop-up menu is available listing valid selections. This field is carried over from the input selection form.

## Model number

Identifies the appropriate device model number for the given device.

#### Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser-** followed by the actual serial number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System* Administrator's Guide for more information.

#### Version number

Indicates the hardware or software version of the device. Enter the alphanumeric string of the version number of the device.

#### **Physical address**

Designates the cabinet, carrier, and slot position of the device. On the network map, the physical address displays with the device name in an object list for the parent device. Enter an address using format **ccc:c:sl:f**.

Where: 
$$ccc = Cabinet number (1-999)$$
  
 $c = Carrier (1-9)$   
 $sl = Slot number (1-99)$   
 $f = Slot position (enter f for front, r for rear, or leave blank)$ 

#### Number of ports

Designates the number of physical ports configured or available on the device. Enter a number from 0 to 1000. The default value is 1.

## **Device position**

Indicates whether the device is a control device or a tributary device. Valid values are **control, tributary** and **other**. A pop-up menu is available listing valid selections.

## **Circuit type**

Indicates the type of circuit with which the device is associated. Enter **multipoint**, **point-point**, or **other**. A pop-up menu is available listing valid selections.

## Date installed

Indicates the installation date of the device. Enter the date of installation using format **mm/dd/yy** (month/day/year).

## Purchased/Leased

Indicates if the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

#### **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. Enter any string of characters to identify this equipment.

#### External system

Indicates an external system that may manage this device for which NMS can establish a cut-through session. The list of external systems is obtained from the external systems configuration table in the database. The network map also uses this field. When the **Network Control** item is selected from this device's command menu on the network map, a cut-through session to this external system is initiated. A pop-up menu is available listing valid selections.

#### Parent device

Indicates the device's parent, the network object that may contain or manage the device. Enter either the parent's device address or device name. The device profile for the parent must already exist. Even though you can enter either the parent's name or address, the parent's name is always displayed upon later retrieval in this field. All devices with the same parent appear on the parent's object list on the network map.

#### Page 3, Unsupported Devices

This input form contains the following fields.

#### **Circuit name**

Identifies the name of the circuit with which the device is associated. Circuit names begin with the protected prefix **cir**-, and are used to group devices by their logical circuits. The string after the **cir**- prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Network name

Identifies the name of the network with which the device is associated. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks. The string after the **net-** prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site name

Identifies the name of the location of the device. If you leave the **Site name** field blank, the site name defaults to **unnamed**. If you enter a new name (one for which no site profile exists), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the site. The values **all** and **none** are not allowed. The site name determines where the device appears on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name (one for which no vendor profile exits), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the vendor. The values **all** and **none** are not allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 4, Unsupported Devices

This input form contains the following field.

## Comments

Enter any additional information needed concerning the device.

Click on **Go** (or press **F2**) to execute the command.

## Page 1, System Device

Refer to Page 1, All Devices.

## Page 2, System Device

This input form contains the following fields.

## NMS support

This field is carried over from Page 1 and cannot be edited on this page.

#### **Inventory state** (*Required field*)

Displays the active value.

#### **Device name**

Enter a unique name for the device. Device name follows standard naming conventions.

#### **Device type** (*Required field*)

Specifies the type of device to be used and determines the icon to be used in the connectivity map. For the system profile, the device type must be **system**. This field is carried over from the input selection form.

#### Model number

Identifies the appropriate device model number for the given device. The suggested model number is 6800.

## Serial number

Identifies the device's unique serial number. Serial numbers start with the protected prefix **ser-** followed by the actual serial number. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/ System* Administrator's Guide for more information.

## Version number

Indicates the hardware or software version of the device. Enter the alphanumeric string of the version number of the device.

#### **Physical address**

Designates the cabinet, carrier, and slot position of the device. On the network map, the physical address displays with the device name in an object list for the parent device. Enter an address using format **ccc:c:sl:f**.

Where: 
$$ccc = Cabinet number (1-999)$$
  
 $c = Carrier (1-9)$   
 $sl = Slot number (1-99)$   
 $f = Slot position (enter f for front, r for rear, or leave blank)$ 

#### Number of ports

Designates the number of physical ports configured or available on the device. Enter a number from 0 to 1000. The default value is 0.

#### **Device position**

Indicates whether the device is a control device or a tributary device. Valid values are **control, tributary** and **other**. A pop-up menu is available listing valid selections.

## **Circuit type**

Indicates the type of circuit with which the device is associated. Enter **multipoint**, **point-point**, or **other**.

#### **Date installed**

Indicates the installation date of the device. Enter the date of installation using format **mm/dd/yy** (month/day/year).

## Purchased/Leased

Indicates if the device is **purchased** or **leased**. The default value is **purchased**. A pop-up menu is available listing valid selections.

## **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. The only valid value is n/a.

#### **External system**

Indicates an external system that may manage this device for which NMS can establish a cut-through session. The list of external systems is obtained from the external systems configuration table in the database. The network map also uses this field. When the **Network Control** item is selected from this device's command menu on the network map, a cut-through session to this external system is initiated. A pop-up menu is available listing valid selections.

## Parent device

Indicates the device's parent, the network object that may contain or manage the device. Enter either the parent's device address or device name. The device profile must already exist. Even though you can enter either the parent's name or address, the parent's name is always displayed upon later retrieval in this field. All devices with the same parent appears on the parent's object list on the network map.

## Page 3, System Device

This input form contains the following fields.

#### **Circuit name**

Identifies the name of the circuit with which the device is associated. Circuit names begin with the protected prefix **cir**-, and are used to group devices by their logical circuits. The string after the **cir**- prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Network name

Identifies the name of the network with which the device is associated. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks. The string after the **net-** prefix cannot be **all** or **none**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site name

Identifies the name of the location of the device. If you leave the **Site name** field blank, the site name defaults to **unnamed**. If you enter a new name (one for which no site profile exists), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the site. The values **all** and **none** are not allowed. The site name determines where the device appear on the network map. To specify the geographic location of the site, use the Edit Site Profile (*edsp*) command. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Vendor name

Identifies the company name of the vendor supplying the device. If you enter a new name (one for which no vendor profile exits), you can either edit the name or continue. If you continue and execute the command, NMS creates a new profile for the vendor. The values **all** and **none** are not allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

#### Page 4, System Devices

This input form contains the following field.

## Comments

Enter any additional information needed concerning the device.

Click on Go (or press F2) to execute the command.

# **Create Device Profile Results Form**

The results form shows the device name and indicates that the device profile for that device was created.

# **Create Export File (cref)**

Use the *cref* command to create an export file from the 6800 Series device, facility, and site profile information. Export files are used to supply the ACCUMASTER<sup>™</sup> Integrator (AMI) with configuration information from the 6800 Series NMS.

You create either a base file or an update file with the *cref* command. The base file is created and sent when the initial profile data is to be supplied to the AMI. Normally, it should not be created or sent a second time because it will contain the data that the AMI already has in its database. The update file contains only that profile information which changed since the last export file (either base or update) was created. The update file should be created and sent when updates to the AMI's configuration data are needed due to incremental changes made in the 6800 Series device, facility, and/or site profiles.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	cref
Restrictions:	If the 6800 contains many device, facility, and site profiles, this command can take several minutes to run. You may want to schedule this command to run at off-peak hours or route results to queue or a printer.
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Export File (dlef) Send Export File (snef) Export File Configuration (efc)

# Create Export File Input Form

This input form contains the following field.

**File type** (*Required field*)

Specifies the type of export file to be created. Valid entries are **base** and **update**. A pop-up menu is available listing the valid selections.

# **Create Export File Results Form**

This results form indicates that the type of file specified was created.

# **Create Facility Profile (crfp)**

Use the *crfp* command to create profiles for facilities in the network. A *facility* is a physical connection between two devices, with no intervening connections. The facility profile maintains information for facilities in your network by describing the facility and defining the two endpoint devices and their interfaces to the facility. You can also create stub-facilities which are facilities with only one endpoint, except for multiplexers that have an endpoint where the facility type is SDL or the interface type is **line**. Facility profiles can also be created for devices which are connected only to themselves.

The set of all facilities connecting to a specific device provides the necessary data for the creation of connectivity maps and for ACCULINK network connectivity references. You must execute the *crnm* command after creating, editing, or deleting facility profiles for these changes to be reflected in the network map.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	crfp
Restrictions:	A device specified as an endpoint in a facility profile must have an existing device profile.
Routine:	Yes
Schedule:	Yes
Related Commands:	Connectivity Report (cr) – accessed from the Trouble/Inventory Reports Task Create Network Map (crnm) Delete Facility Profile (dlfp) Facility Inventory Report (fir) – accessed from the Trouble/Inventory Reports Task Display Facility Profile (dsfp) Edit Facility Profile (edfp) Edit Facility Profile (edfp) List Facility Profile (lsfp)

# **Create Facility Profile Input Form**

There are multiple Pages to this input form. Samples of the Pages 1 and 2 are shown in Figures 2-6 and 2-7.

# Page 1

	Manager		
	CREMIE PHUILIIT PROFILE		Fage 1
Facility name: fac- <mark>41</mark>	Facility	type:	<u>T1</u>
FACILITY ENDPOINT 1 Device name: <mark>node150</mark> Address: m2/150	Device	e type:	mux
Model number: 740 PRIMARY INTERFACE -	Site Type:	e name:	novascotia
FACILITY ENDPOINT 2 Device name: <u>node202</u> Address: m2/202	Device	e type:	swtch
Model number: 745 PRIMARY INTERFACE –	Site Type:	e name:	okla.city
Help Go ClrFld	PrevFld MainMenu Fill	lForm I	Defaults Cancel

Figure 2-6. Create Facility Profile Input Form, Page 1

This input form contains the following fields.

#### Facility name (Required field)

Identifies the unique name for the facility. You can use the facility name given by the common carrier for facilities provided by them. The facility name begins with the protected prefix **fac**-. The string after the **fac**- prefix cannot be **all** or **none**. Valid characters are **0–9**, **a–z** and special characters "-" and ".". See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Facility type

This field categorizes the facility. Valid entries are **apl, asynch, ddd, dds, rs232, SDL, synch, T1, T3, video, voice, ctrltobr, brtotrib**, or **other**. The **other** value enables you to specify a facility type meaningful to your facility. A pop-up menu is available listing valid selections.

However, the following selections are not valid if any of the endpoints is a brouter:

- SDL
- T1
- T3
- Video
- Voice

# FACILITY ENDPOINT 1

## **Device name** (*Required field*)

Enter the name of the device on one end of the communications facility. NMS auto-populates this field if the **Address** field is specified by the user. A device profile must already exist for this device. You need only enter either the **Device name** or **Address**, and NMS auto-populates the **Device type**, **Model number**, and **Site name** fields from the device profile previously created.

If the endpoint is a brouter or an SNMP device, enter the IP address.

## **Device type**

Displays the type of device on one end of the communications facility. NMS populates this field from the existing device profile record.

## Address

Identifies the address of the device. NMS auto-populates this field if you specify an entry in the **Device name** field. If not, you need only enter **Device name** or **Address**, and NMS populates the **Device type**, **Model number**, and **Site name** fields from the device profile previously created. If you entered T1 in the **Facility type** field, you cannot enter device addresses supporting 74x-56K nodes.

## Model number

Displays the model number of the device. NMS populates this field from the existing device profile record.

#### Site name

Displays the site name of the device. NMS populates this field from the existing device profile record. If a site name was not specified in the device profile, the field is auto-populated with **unnamed**.

## PRIMARY INTERFACE

The **PRIMARY INTERFACE** is the physical interface for the facility on Facility endpoint 1. The primary interface is specified in terms of **Type**, **Slot**, and **Id**.

## Type (Required field)

Enter either **port** (usually low-speed channel on incoming side of the device) or **line** (usually high-speed link on outgoing side of the device) to specify which side the connection is on. This information is used by the Map to determine on which side of a device icon the facility connection will be shown. Refer to the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information about icons.
#### **Id** (*Required field*)

Enter the ID number of the communications interface for the device on endpoint 1. This ID is used for alert processing. For multipoint circuits, the ID number must be different for each connection. For ACCULINK® multiplexers, ID means the link number (T1 facility) or channel numbers (subrates). This information is included on connectivity maps which display the facility.

For ACCULINK Series 700 multiplexers line side, use the link numbers of the T1 aggregate link (for the connection) or use the channel number (for the port-side connection).

#### Slot

This field is required for ACCULINK device types; not required for non-ACCULINK device types. Identifies the slot for the communications interface board for the device on endpoint 1. This field may not apply to your device endpoint. For ACCULINK multiplexers, slot means the board's slot position. This information is included on connectivity maps which display the facility.

For ACCULINK Series 700 multiplexers, use the slot position of the aggregate or T1 link interface board. On the channel side, use the slot position of the channel card.

The interface ID/slot number (input form fields) is a unique combination that described the facility termination. This value displays on the Connectivity Map associated with the facility. It is also used to associate link alarms and events reported by ACCULINK Series 700 multiplexers with the correct facility profile.

#### NOTE

The **Type**, **Id**, and **Slot** fields are validated and cross-validated for endpoints that are supported **mux**, **swtch**, **ntwk**, or **56mux** devices types. Refer to the *COMSPHERE 6800 Series Network Management System Multiplexer Management and Configuration Guide* for details of this validation.

#### **REDUNDANT INTERFACE**

For devices with redundant facility connection capability, define the physical interface using the following fields. The **REDUNDANT INTERFACE** applies to ACCULINK multiplexers with the single line redundancy feature. If the multiplexers have the dual link redundancy feature, create two facility profiles, one for each link.

# NOTE

The combination of **Slot** and **Id** identification must be unique for each facility interface to a device, because this identification represents a physical connection of the device to the facility. Also, the **REDUNDANT INTERFACE Slot** and **Id** must be different from the **PRIMARY INTERFACE Slot** and **Id**.

#### Id (Required field)

Enter the **Id** (port) number of the redundant communications interface for the device on endpoint 1. For ACCULINK multiplexers, **Id** means the link number (T1 facility) or channel numbers (subrates). You must enter the link number as the interface Id for T1 facility connections.

# Slot

This field is required for ACCULINK device types; not required for non-ACCULINK device types. Identifies the **Slot** for the communications interface circuit card for the device on endpoint 1. This field may not apply to your device endpoint. For ACCULINK multiplexers, Slot means the circuit card's slot position. Data entered into this field displays on the connectivity map.

For ACCULINK Series 700 multiplexers, identify the slot and link numbers for multiplexers that are configured for single link redundancy (single link, dual interfaces). For ACCULINK Series 700 multiplexers configured for dual link redundancy, create two distinct facility profiles, one for each link.

## NOTE

The combination of slot and ID identification MUST be unique for the device since this information specifies a unique physical port on the device for the facility connection. The ID/slot identifier used for a redundant interface must also be different than that used for the primary interface. For example, if the primary interface for Endpoint 1 is assigned slot number 0 and ID number 1, the redundant interface for that endpoint device cannot be assigned Slot 0, ID #1. In addition, no other facility can reference that same device as an endpoint using Slot 0, ID #1.

# **FACILITY ENDPOINT 2**

Specifies the endpoint information for the device at the other end of the facility. See the FACILITY ENDPOINT 1 field descriptions for information on populating these fields.

# Page 2

	Page 2		
Facility name:	fac-41	Network ID:	<u>I</u>
Date installed:		Diagnostics:	
Bandwidth:		Bandwidth units:	
Monthly cost:		Purchased/Leased:	
Vendor name:		Usage:	
USER CONTACT - Name: Phone: Address:			-
Help Go	ClrFld	PrevFld MainMenu FillForm D	efaults Cancel

Figure 2-7. Create Facility Profile Input Form, Page 2

This input form contains the following fields.

#### **Facility name**

This field is carried over from Page 1.

#### Network ID

Specifies an identifier from "foreign networks." This field is required when connecting the facility on a supported Series 700 multiplexer nodes to any non-Series 700 device. It shows what network (for example, DACS) the node is connecting to. The ID is used in path searching algorithms, channel group traces, etc. to identify when a Series 700 node is connected to such foreign networks. The entry is a pop-up menu with the 250 identifiers **NID1** to **NID250**. The user must determine the appropriate identifier for the foreign network connection. This replaces the pre-release 3.0 use of **DACS ID** for such applications, and represents an extension to foreign networks other than DACS.

#### **Date installed**

Enter the installation date of the facility using the format mm/dd/yy.

#### Diagnostics

Indicates if the facility is carrying diagnostic data. Valid values are **enabled**, **disabled**, and **not applicable**. A pop-up menu is available listing valid selections.

#### Bandwidth

Specifies the bandwidth for the facility up to 10 integers. The units for the bandwidth listed in this field are identified in the following field.

#### **Bandwidth units**

Enter the units for the bandwidth defined in the previous field; valid values are **bps**, **kbps**, **mbps**, **gbps**, **hz**, **khz**, **mhz**, and **ghz**. A pop-up menu is available listing valid selections.

#### Monthly cost

Specifies the monthly cost of the facility using the format **dddddd.cc** (dollars and cents).

#### Purchased/Leased

Specifies whether the facility was **purchased** or **leased**. Enter either **purchased** or **leased** as appropriate. A pop-up menu is available listing valid selections.

#### Vendor name

Identifies the company name of the vendor supplying the facility. If you enter a new name (one for which no vendor profile exists), NMS displays a message indicating this and allows you to either edit the name or continue. If you execute the command, NMS creates a new vendor profile for the vendor. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Usage

Indicates the application of the facility. Example values are **data**, **voice**, **voice**+**data**, **video**, or any other alphanumeric string.

# USER CONTACT

#### Name

Indicates the name of the person responsible for the facility when there is a service problem.

#### Phone

Indicates the phone number of the person or company responsible for the facility when there is a service problem.

#### Address

Indicates the address of the person responsible for the facility when there is a service problem.

# Page 3

This input form contains the following field.

# Comments

Enter any additional information needed concerning the facility.

Click on **Go** (or press **F2**) to execute the command.

# **Create Facility Profile Results Form**

This results form confirms the creation of the facility profile.

# NOTE

To create facility profiles for multipoint circuits, enter the data as for a point-to-point circuit. Re-execute the Create Facility Profile (*cfp*) command, entering the data for the next tributary device connection under FACILITY ENDPOINT2 and entering a new **Id** number under PRIMARY INTERFACE (a new **Id** number must be entered for each connection). Continue re-executing the command and entering data for each remaining connection to a tributary device.

# **Create Network Map (crnm)**

Use the *crnm* command to create or update the network map. This command uses information contained in device, facility, and site profiles to generate the network map which can be displayed on a full-feature workstation.

The network map displays device connectivity and device and facility alarm and status information. Refer to the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for further details on using the network map.

#### NOTE

After you execute this command, all open map windows must be closed on your workstation and the Map task must be restarted from the 6800 Series NMS Tasks menu before the new data is reflected in the map. If your database contains many site, device, and facility profile records it is recommended you run this command at off-peak hours to avoid performance delays to other network management activities.

Access Level:	Manager, Administrator
Abbreviation:	crnm Alternate: crgm
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	None

# **Create Network Map Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

# **Create Network Map Results Form**

This results form displays an indication that the command was successfully executed.

To display the newly-created network map, close all map-related task windows. Then, select the Map task from the 6800 Series NMS Tasks menu.

# **Create Routine (crr)**

Use the *crr* command to create a personal routine. A routine consists of up to 25 commands that execute sequentially. You can include all Manager task commands in a routine except the following: Call Fault Criteria (*cfc*), Change Address (*cha*), Change Protocol Mode (*chpm*), Change Node Passwords (*chnp*), Create Routine (*crr*), Create User Profile (*crup*), and Edit Routine (*edr*). Once created, only the owner can execute the personal routine. Each User ID can have a maximum of 30 personal routines. You request a routine by entering its name in the **Enter selection** field of Manager task menus. Refer to the Copy Routine (*cpr*) command for information on creating system routines.

# NOTE

When using the Edit User Profile (edup) command in a routine, the **Change Password** field should always to set to no.

# NOTE

The use of mnemonic device names in routines will avoid the need to edit the routine should the device's protocol mode be changed.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	стг
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	Edit Routine (edr) Copy Routine (cpr) Delete Routine (dlr) Display Routine (dsr) List Routines (lsr)

# NOTE

To run a routine, you use the Execute Routine operation. This operation is described in Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

# Create Routine Input Form

A sample of this input form is shown in Figure 2-8.

	Manager CREATE ROUTINE	Page 1
Routine name:		
Commands:		
Comments:		
		· · ·
Help Go	ClrFld PrevFld MainMenu FillForm Defaults	Cancel

Figure 2-8. Create Routine Input Form

This input form contains the following fields.

# **Routine name** (*Required field*)

Specifies the name of the personal routine. Enter a unique name for the routine, up to 12 lowercase alphanumeric or special characters with the exception of the following special characters: <space>, \*?! "\|. Also, a routine name cannot begin with a number.

# **Commands** (Required field)

Specifies the commands contained in the routine. Enter the abbreviations of commands allowed in routines and for which you have functional access. Separate abbreviations by commas or spaces.

#### Comments

Enter any comments or relevant information concerning the routine.

Press **ENTER** to continue to the next input page. NMS displays an input form(s) for each command included in the routine.

Click on Go (or press F2) after each command's input form(s) is complete to execute that command.

# **Create Routine Results Form**

This results form displays the name of the routine, the commands included in the routine, and any comments entered on the input form.

# **Create Site Profile (crsp)**

Use the *crsp* command to create a new site profile. Site profiles may also be automatically created during execution of the Create Device Profile (*crdp*) command. A site profile contains information about the site, indicates where the site is located, and includes user contact information for that site. A site profile may be associated with many devices in the network.

The Map task locates devices on the Geographic Map by using the **Site name** field in the device profile. If you do not specify a site name in the device profile, the default name unnamed is used. A site profile for the unnamed site is created by NMS at installation and cannot be deleted.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	crsp
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Site Profile (dlsp) Device Inventory Report (dir) – accessed from Trouble/Inventory Reports task Display Site Profile (dssp) Edit Site Profile (edsp)

# Create Site Profile Input Forms

There are multiple pages to this input form. Samples of these pages are shown in Figures 2-9 through 2-11.

# Page 1

	Manager CREATE SITE PROFILE	Page 1
Site name:	bonn	
Site con Name: Phone number: Address:	tact	
Security Name: Phone number: Address:	contact	
**No more pages.** Help Go Cl	rFld PrevFld MainMenu FillForm Defau	lts Cancel

Figure 2-9. Create Site Profile Input Form, Page 1

This input form contains the following fields.

#### **Site name** (*Required field*)

Identifies the name for the site. The keywords **all** and **none** cannot be used. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site contact

### Name

Identifies who to contact at the site.

#### Phone number

Identifies the phone number of the site contact.

# Address

Identifies the address of the site contact. There are four lines available.

### Security contact

#### Name

Identifies the security manager to contact at the site.

### Phone number

Identifies the phone number of the site security contact.

### Address

Identifies the address of the site security contact.

# Page 2

	Manager CREATE SITE PROFILE	Page 2
Site name: LEC contac Name: Phone number: Address:	bonn ct 	
Other cont Name: Function: Phone number: Address:	act	
Help Go Clrf	Fld PrevFld MainMenu FillForm Def	aults Cancel

Figure 2-10. Create Site Profile Input Form, Page 2

This input form contains the following fields.

### LEC contact

#### Name

Identifies the Local Exchange Carrier (LEC) contact for the site.

#### Phone number

Identifies the phone number of the LEC contact for the site.

#### Address

Identifies the address of the LEC contact for the site.

# Other contact

# Name

Identifies an additional contact for the site.

### Function

Specifies the job function of the additional contact for the site.

# Phone number

Identifies the phone number of the additional contact for the site.

## Address

Identifies the address of the additional contact for the site.

Page 3

CREATE SITE PROFILE	Page 3
Site name: bonn	
City code: <u>228</u> Country code: <u>49</u>	
Longitude - Degrees <u>Minutes</u> Direction _	
Latitude - Degrees Minutes Direction _	
Comments:	
Help Go ClrFld PrevFld MainMenu FillForm Defaults	Cancel

Figure 2-11. Create Site Profile Input Form, Page 3

This input form contains the following fields.

#### City code

Lists the telephone number or city code used to place the site on the Geographic Map. For U.S. sites, enter the area code and exchange (NPA-Nxx). For other countries, enter their assigned telephone city code, if any. See the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for a list of area codes and exchanges for major U.S. cities, and telephone city codes of major cities in other countries. Only numeric values are permitted.

# **Country code**

Enter the 3-digit telephone code assigned to the country. This is used to place the site on the Geographic Map. The default is the United States (**001**). Only numeric values are permitted. An invalid city/country code (one that cannot be mapped to a geographic location) is assigned to the default site. The default site location is south of the North Pole and centered over North America. See the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*. Chapter 6 of the user's manual provides a description of the default site and unnamed site. Appendix F of the user's manual has a list of country codes.

#### NOTE

You may override the site placement determined by the city and country code by specifying the longitude and latitude of the site.

### Longitude

Identifies the longitude for the site location. The longitude must be specified in the format **Degrees (0** to **180)**, **Minutes (0** to **59)**, and **Direction (W/E)**.

#### Latitude

Identifies the latitude for the site location. The latitude must be specified in the format **Degrees (0** to 90), **Minutes (0** to **59**), and **Direction (N/S)**.

#### Comments

Enter any additional information about the site.

See Appendix F in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for a list of latitudes and longitudes for major cities around the world.

Click on Go (or press F2) to execute the command.

# **Create Site Profile Results Form**

This results form confirms that a site profile record has been created.

# **Create User Profile (crup)**

Use the *crup* command to create a unique profile for each user.

A user profile defines a user's login and password to the NMS, assigns system printer access, command access, and modem and multiplexer network access. The system can have up to 250 user profiles.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	crup
Restrictions:	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete User Profile (dlup) Display User Profile (dsup) Edit User Profile (edup) Edit Device Group (eddg) Edit User Group (edug) Edit User Selection Criteria (edusc)

# **Create User Profile Input Form**

There are multiple pages to this input form. Samples of these pages are shown in Figures 2-12 through 2-14.

Page 1

Γ.		Manager		
	, CR	EATE USER PROFILE	Page	1
	User ID:			
	Password: Re-enter password:			
	Remote phone number or port:			
	Network summary: UNIX: Informix:	no access no access no access		
	External system access:			
	Help Go ClrFld	PrevFld MainMenu FillForm Defaults Ca	incel	

Figure 2-12. Create User Profile Input Form, Page 1

This input form contains the following fields.

# **User ID** (*Required field*)

Identifies a unique login name for the user. Enter a 3-character to 8-character name chosen from the character set **a** through **z** and **0** through **9**. The User ID must begin with an alphabetic character.

#### **Password** (Required field)

Specifies a password that must be entered when a user logs on to NMS. Enter a password from 3 to 8 alphanumeric characters chosen from the 64 character set **A** through **Z**, **a** through **z**, **0** through **9**, forward slash (/), and period (.).

The password must be different from the corresponding User ID and any reverse or circular shift of that ID, and must contain at least two alphabetic characters and at least one number or special character (/ .). For example, if the User ID is user123, the password cannot be a circular shift (123user, 3user12, etc.) or a reverse shift (321resu, u321res, etc.). Upper- and lowercase are considered to be equivalent when comparing the User ID with the password construction. The password is not displayed on the screen.

# **Re-enter password** (*Required field*)

This field verifies the password that you have just entered in the **Password** field. Retype the same characters for the password.

# **Default printer** (*Required field*)

Identifies the system printer to be employed for this user's print jobs. If the system is not configured with printers, this field will not be displayed. Enter a valid value using the format **system printer n** where n is **1** or **2** (depending on the number of printers configured in your system). The printer must have been previously configured using the Edit Port Configurations (*edpc*) command. A pop-up menu is available listing valid selections.

#### Remote phone number or port

Specifies a remote printer to be used when **remote** is chosen as a destination for command results. Enter the telephone number of a remote printer, or enter the keyword **port** to indicate that the dedicated ATR/remote printer port is to be used.

#### **Network summary** (*Required field*)

Indicates whether the user has access to the Network Summary task on the NMS. Enter **access** or **no access**. The default is **no access**. A pop-up menu is available listing valid selections.

# **UNIX** (*Required field*)

Indicates whether the user has access to the UNIX<sup>®</sup> utility available from the 6800 Series NMS Tasks menu. Enter **access** or **no access**. The default is **no access**. A pop-up menu is available listing valid selections.

# **Informix** (*Required field*)

Indicates whether the user has access to the INFORMIX<sup>®</sup> utility available from the 6800 Series NMS Tasks menu. Enter **access** or **no access**. The default is **no access**. A pop-up menu is available listing valid selections.

#### External system access

Specifies the external system(s) that the user is allowed to access. Multiple entries and the keyword **all** are allowed. Each entry must have a corresponding entry in the external systems configuration table (refer to the Display External System Configuration (*dsesc*) command).

# Page 2

		Manager	
	CREATE	USER PROFILE	Page 2
Network access:	Device groups unsupported cc-1 cc-2 cc-3	User groups no access no access no access no access	Map/alert access no access no access no access no access no access
	cc-4 cc-5 cc-6 cc-7 cc-8	no access no access no access no access no access no access	no access no access no access no access no access
	cc-9 cc-10 cc-11 cc-12	no access no access no access no access	no access no access no access no access
	cc-13 cc-14 cc-15	no access no access no access	no access no access no access
Help Go	Clrfld PrevF	ld MainMenu Fillf	Form Defaults Cancel .

Figure 2-13. Create User Profile Input Form, Page 2

This input form contains the following fields.

# **Device groups**

Device groups **0** through **15** are displayed on Page 2 of the *crup* command. Device groups **16** through **30** are shown on the next page, etc.

#### User groups

Enter the user group levels assigned to each of the 50 device groups. Enter **no access** to assign the device group to a user group that has no commands authorized. The user groups are listed in a pop-up menu. The default is **no access**.

## Map/alert access

Enter **access** or **no access** depending on whether the new user will have alert and map access to the device group. The default is **no access**.

# Page 4

_			Manage	er				- 1
		n	REATE LISER	PROFILE			Page	4
	Commontat	• · · · · · · · · · · · · · · · · · · ·		TROFILE			1080	-
	comments. j							
	-							
	-							
	Destination for	r results: <mark>cr</mark>	t					
	Schedule	execution: no	ω					
	U-1-	C1		Mart and a second		$D = C = \dots + \infty$	C1	_
	нетр во	o cirfia	Frevild	mainmenu	FILIFORM	Defaults	Lancel	-
	1							_

Figure 2-14. Create User Profile Input Form, Page 4

This input form contains the following field.

# Comments

Enter any additional information about the user. This field is displayed only to the System Administrator.

Click on Go (or press F2) to execute the command.

# **Create User Profile Results Form**

This results form confirms that a user profile record was created.

# **Create Vendor Profile (crvp)**

Use the *crvp* command to create a new profile for a specified vendor. A vendor profile may also be automatically created during the execution of the Create Device Profile (*crdp*) or Create Facility Profile (*crfp*) commands.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	crvp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Vendor Profile (dlvp) Device Inventory Report (dir) – accessed from Trouble/Inventory Reports task Display Vendor Profile (dsvp) Edit Vendor Profile (edvp)

# **Create Vendor Profile Input Form**

There are multiple pages to this input form. Samples of Pages 1 and 3 are shown (Figures 2-15 and 2-16). Page 2 provides additional contact information space and is not shown.

Page 1

	Manager CREATE VENDOR PROETLE	
Vendor name: Contact(s) Name:		rage I
Phone number: Phone number: Address:		
Name: Function: Phone number: Address:		
Help Go C	lrFld PrevFld MainMenu FillForm Defau	lts Cancel

Figure 2-15. Create Vendor Profile Input Form, Page 1

This input form contains the following fields.

#### **Vendor name** (*Required field*)

Identifies the name of the vendor supplying the device. The keywords **all** and **none** cannot be used. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

# Contact(s)

This page allows you to list up to four separate contacts.

#### Name

Identifies who to contact in case of a problem.

# Function

Identifies the vendor contact's job function.

# Phone number

Identifies the phone number of the vendor contact.

#### Address

Identifies the vendor contact's address.

# Page 2

This page enables you to list the additional contacts.

Page 3

	Manager CREATE VENDOR PROFILE	Page 3
Vendor name:		
Comments: ]	L	
-		
-		
Help Go	ClrFld PrevFld MainMenu FillForm Defaults	Cancel

Figure 2-16. Create Vendor Profile Input Form, Page 3

This input form contains the following field.

# Comments

Enter additional information about the vendor.

Click on Go (or press F2) to execute the command.

# **Create Vendor Profile Results Form**

This results form confirms that a vendor profile record has been created.

# **Delete Alert History (dlah)**

Use the *dlah* command to delete selected alert records from the historical alerts database. The historical alerts database is comprised of records of alerts that have cleared. The set of alert records to be deleted is based on the criteria you specify on the Delete Alert History input form.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	dlah
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Alert Report Summary (ars) – accessed from Trouble/Inventory Reports task Detailed Alert Report (dar) – accessed from Trouble/Inventory Reports task

# **Delete Alert History Input Form**

A sample of this input form is shown in Figure 2-17.

DELETE ALERT HISTORY	Page 1
Device(s):	
Alert type:	
Alert group:	
Date(s) included: to Time interval: <u>00:00:00</u> to <u>23:59:59</u>	
Destination for results: crt	
Schedule execution: now	
Help Go ClrFld PrevFld MainMenu FillForm Default:	s Cancel

#### Figure 2-17. Delete Alert History Input Form

This input form contains the following fields.

#### **Device**(**s**) (*Required field*)

Specifies the device(s) whose historical alert records are to be deleted. Device ID can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information. Multiple entries, the wildcard characters (\*?!) and **all** are allowed.

#### Alert type

Enter a valid alert type. See the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Alert group

Enter a valid alert group name. See the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Date(s) included

Specifies a date interval restricting the historical alert historical record deletion to only those alerts received by NMS within the specified interval. The selections are used in pairs (starting date and ending date) to choose intervals with the same values to choose specific dates. Valid entries are

- **mm/dd/yy** = The month, day, and year.
- **blank** = The earliest date for which the system stores historical alert data. This is the default for the starting date field.
- If starting date field is blank, records will be deleted from the earliest date for which a historical alert record exists.
- If ending date field is blank, records will be deleted to the latest date for which a historical alert record exists.

### Time interval

Specifies a time interval restricting the alert record deletion to only those alerts received by NMS within the specified interval. Enter times in pairs (starting time and ending time) to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, only the records for alerts which occurred between the specified time and 11:59:59 pm (23:59:59) are deleted. If you enter a time in the second field but not in the first, only records for alerts which occurred between 12:00:00 am (00:00:00) and the specified time are deleted.

Enter military time (**00:00:00** through **23:59:59**). If these fields are left blank, interval is assumed to be 00:00:00 to 23:59:59 (default).

Click on Go (or press F2) to execute the command.

# **Delete Alert History Results Form**

This results form shows the number of records deleted.

# Delete Audit Trail (dlat)

Use the *dlat* command to delete records in the Audit Trail table. This command allows you to specify the criteria on which you want to base your search. The command then searches the Audit Trail table and deletes those records.

Access Level:	Administrator
Abbreviation:	dlat
<b>Restrictions:</b>	Accessible only to the System Administrator
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Display Audit Trail (dsat)

# Delete Audit Trail Input Form

A sample Delete Audit Trail input form is shown in Figure 2-18.

	Manager		
	DELETE AUDIT TRAIL	Page	1
User ID:	Command:		
Search val1:			
Search val2:			
Date(s) included: Time interval:	03/09/94 to 19:43 to		
Exception Val:	<u>no</u>		
Help Go CirFid	I PrevFld MainMenu FillForm Defaults	Cancel	

Figure 2-18. Delete Audit Trail Input Form

This input form contains the following fields.

# User ID

Enter the ID of the user you want to search for in the Audit Trail table. This field accepts "\*" as the only wildcard character to expand the search. For example, if you enter chi\* in this field, all users at a particular site with user IDs that begin with chi will be selected (e.g., chioper1, chioper2, chip1, chip2).

# Command

Specifies a system acronym, system routine name, or user routine name. This field accepts "\*" as the only wildcard character.

#### Search\_val1

Enter any alphanumeric string to be used as a search value. This field must match the original input as entered by the user. This field accepts "\*" as the only wildcard character.

#### Search\_val2

Enter any alphanumeric string to be used as a search value. This field accepts "\*" as the only wildcard character.

#### Date(s) included

- from date: Specifies the beginning date of your search. The default value is the date of the earliest entry found in the audit\_trail table. Valid values are **first**, **today**, **mm/dd/yy**.
  - *Where:* **first** specifies the first entry in the audit\_trail table.

today specifies the current date.

mm/dd/yy specifies the month, day, and year.

- to date: Specifies the ending date of your search. The default value is the current date. Valid values are **today**, **today**-*nn*, **mm/dd/yy**.
  - Where: today specifies the current date.today-nn specifies a number of days before today; nn specifies an integer number from 1 through 32.

mm/dd/yy specifies the month, day, and year.

#### **Time interval**

- from time: Specifies the beginning time of the search. The default value is the time of the earliest entry in the audit\_trail table. The valid format is **hh:mm**. Note that 12:00 a.m., midnight, is specified as 00:00 and 11:59 p.m. is specified as 23:59.
- to time: Specifies the ending time of the search. The valid format is hh:mm.

#### Exception val

A pop-up menu displays the values **yes** and **no** for this field. The default value is **no**. Changing this value to **yes** has the effect of constraining the search to table entries with permissions error.

## **Delete Audit Trail Results Form**

The Delete Audit Trail results form displays the number of records deleted.

# **Delete Device Profile (dldp)**

Use the *dldp* command to delete a specified device profile. You must then execute the Create Network Map (*crnm*) command before any device profile deletions will be reflected on the map.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*. This command may take a long time to complete. It is advisable to route it to the queue or printer.

Manager, Administrator
dldp
Only one device profile at a time can be deleted. You cannot delete a device profile until corresponding facility profile(s), channel groups, logical links, historical alert records, active alerts are cleared, and trouble tickets that are associated with that device are deleted. Device profiles for ANALYSIS-managed devices cannot be deleted with this command; they must be deleted through the ANALYSIS™ NMS.
Yes
Yes
Create Device Profile (crdp) Display Device Profile (dsdp) Edit Device Profile (eddp) List Device Profile (lsdp)

# **Delete Device Profile Input Form**

This input form is the same for all devices (DCE, MUX, unsupported, and system profile). A sample of this input form is shown in Figure 2-19.



Figure 2-19. Delete Device Profile Input Form

This input form contains the following field.

#### **Device** (*Required field*)

Specifies the device whose profile is to be deleted. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Serial Number (examples: ser-1234567, ser-66778888)

See Appendix E, Naming Conventions, in the COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide for more information.

If there are facility profiles, channel groups, logical links, historical alert records, active alerts, or trouble tickets associated with this device, NMS does not permit you to execute the command. You must exit this command, then delete any associated profiles, data records, and trouble tickets before you can delete the device profile.

Click on Go (or press F2) to execute the command.

# **Delete Device Profile Results Form**

This results form confirms that a device profile record has been deleted.

# **Delete Export File (dlef)**

Use the *dlef* command to delete an export file created using the Create Export File (*cref*) command. Export files are used to supply the ACCUMASTER Integrator (AMI) with configuration information from the 6800 Series NMS.

Using this command, you can delete either the existing base or update file. It is recommended that you delete export files once the data is sent via the Send Export file (*snef*) command and received by the target system (the AMI). If an export file is not deleted when a second create or update is requested, the file is overwritten with the new data.

# NOTE

Though deleting existing export files is not required, you may notice a slight performance improvement on a fully loaded system if the files are deleted after they are sent.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	dlef
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Export File (cref) Send Export File (snef) Export File Configuration (efc)

# Delete Export File Input Form

This input form contains the following field.

**File type** (*Required field*)

Specifies the type of export file to be deleted. Valid entries are **base** and **update**. A pop-up menu is available listing the valid selections.

# **Delete Export File Results Form**

This results form indicates that the type of file specified was deleted.

# **Delete Facility Profile (dlfp)**

Use the *dlfp* command to delete existing facility profiles. When you use this command, you must specify a facility name (to delete one facility at a time) or a device (to delete all facilities connected to that device). If you specify a device, NMS validates the existence of facility profiles associated with that device and returns a count of the number of facilities that connect to the device. You can continue with the deletion or quit. If you continue, or if a facility name was specified for the deletion, NMS deletes the specified facility profiles. You must execute the Create Network Map (*crnm*) command before any facility profile deletions appear on the map.

#### NOTE

With the support for logical links and physical attributes in the multiplexer application package, you cannot delete a facility profile if there are associated logical links. Associated physical attributes are deleted automatically when the facility profile is deleted. If you attempt to delete a facility profile for which there are logical links, NMS generates an error message. You must then delete these logical links first before attempting to delete the facility profile.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	dlfp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Facility Profile (crfp) Display Facility Profile (dsfp) Edit Facility Profile (edfp) List Facility Profile (lsfp)

# **Delete Facility Profile Input Form**

This input form contains the following fields.

#### Facility name (Required field)

Identifies the name of the communications facility that you are deleting. Note that the facility name begins with the protected prefix **fac**-. Enter the name of an existing facility that you want to delete. If you are deleting all facilities connected to a specified device, leave this field blank. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information.

# Device

Specifies a device for which you want to delete all associated facility profiles (endpoint 1 or endpoint 2). Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Serial Number (examples: ser-1234567, ser-66778888)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

Click on Go (or press F2) to execute the command.

# **Delete Facility Profile Results Form**

This results form confirms the number of facility profile record(s) that have been deleted.

# Delete Queue Results (dlqr)

Use the *dlqr* command to delete queue results from your Manager results queues. The *dlqr* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's queue. The following command description applies to the Manager task.

The Manager queue holds up to 50 separate queue result records. You need to periodically delete obsolete results to accommodate new results. If your Manager queue is near capacity, NMS sends you a mail message.

Each item stored in your queue is assigned an index number to identify it. The list of items in your queue and their assigned index numbers are available via the List Queue Results (*lsqr*) command.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlqr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Queue Results (dsqr) List Queue Results (lsqr)

# **Delete Queue Results Input Form**

This input form contains the following fields.

#### User ID (Required field)

Your User ID automatically displays. Only the System Administrator can specify another user's ID.

#### Number of results in queue (Display only)

Identifies the number of items in the queue.

#### **Index number(s)** (*Required field*)

Identifies the queue results item(s) to be deleted. Enter one or more of the following:

- A single index number
- · Several index numbers separated by commas or spaces
- A range of index numbers, for example, 1–15 or 7–last
- The keyword **all** to delete all queue the results
- The keyword last to delete the most recent result in the queue

Click on Go (or press F2) to execute the command.

# **Delete Queue Results Results Form**

This results form shows your deletion request and the actual number of results messages deleted from the queue.

# **Delete Routine (dlr)**

Use the *dlr* command to delete a routine. A Help Desk, Data Technician, or Manager level user can delete any of his/her personal routines. An Administrator level user can delete his/her own personal routines or system routines. The System Administrator can delete his/her own personal routines, system routines, and any other user's personal routines.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Routine (crr) Copy Routine (cpr) Display Routine (dsr) Edit Routine (edr) List Routines (lsr) Display ADR Criteria (dsadrc)

# NOTE

To run a routine, you use the Execute Routine operation. This operation is described in Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

# **Delete Routine Input Form**

This input form contains the following fields.

**User ID** (*Can be changed by System Administrator only*)

NMS displays your User ID. Only the System Administrator can change this entry to any User ID on the system. *For the System Administrator only*, a pop-up menu is available listing valid User IDs.

#### **Routine name** (*Required field*)

Enter the name of a personal routine. The System Administrator can also enter a system routine name. System routine names must begin with the prefix **sys-**. A pop-up menu is available listing valid routines available to your user ID.

Press Go (or press F2) to execute the command.

# Warning Message Displays

If one or more ADR criteria records exist for the routine, a warning message is displayed indicating that those ADRs will be disabled, and the **Routine:** field entry of each ADR criteria record will be cleared. You can proceed with the deletion, or cancel the execution and return to the command input form. If you proceed with the deletion, the **Routine:** field in all ADR criteria records which reference the routine are automatically cleared. Also, the entry in the **ADR state** field is changed to **disabled**. The warning message reads as follows.

One or more alert-driven routine (ADR) criteria records reference this routine. Deleting the routine will disable those ADRs and remove the routine name from the ADR criteria records. Select "Continue" to proceed with the Delete transaction.

If you attempt to delete a routine which is scheduled for a later execution, a warning message displays indicating that if you proceed with the routine deletion, the associated scheduled item is also deleted. If you confirm the routine deletion, any associated scheduled items are deleted automatically. This warning message reads as follows.

This routine has been rescheduled for later execution. Deleting the routine will delete all scheduled executions of this routine. Select "Continue" to proceed with the Delete transaction.

# NOTE

If the routine is scheduled for a later execution *and* has associated ADR criteria records, NMS displays a single warning message, combining the two warning messages previously described.

# **Delete Routine Results Form**

This results form confirms that NMS deleted the routine.
# **Delete Scheduled Items (dlsi)**

Use the *dlsi* command to delete commands or routines scheduled for execution. The *dlsi* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's scheduled items. The following command description applies to the Manager task. You delete scheduled items either by specifying the name of a command or routine, or by specifying the system-assigned index number. A Help Desk, Data Technician, or Manager level user can delete his/her own scheduled items. The System Administrator can delete his/her own scheduled items as well as other user's scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for delayed, weekly or monthly execution. If you delete items by index number, NMS deletes only the item that corresponds to the index number. If you delete items by name, NMS deletes all scheduled occurrences of that name under your User ID (or the User ID of the specified user, if you are the System Administrator). Use the List Scheduled Items (*lssi*) command to display a list of your scheduled commands or routines and their assigned index numbers.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlsi
Restrictions:	You can enter one or more index numbers, <i>or</i> one or more command or routine names, <i>but not both</i> . If you attempt to enter items in both fields, you receive an error message. To continue, you must blank one of the fields.
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Scheduled Items (dssi) List Scheduled Items (lssi)

# **Delete Scheduled Items Input Form**

This input form contains the following fields.

#### User ID

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID. *For the System Administrator*, a pop-up menu is available listing the valid User IDs on the system.

**Index number(s)** (*Required field – if command/routine name field is blank*)

Specify the index number(s) of the scheduled item(s) you want deleted. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, 1–15.
- A combination of ranges and individual item numbers; for example, 1–5, 7, 9–20.
- The keyword **all** (to specify all index numbers).

### **Command or routine names** (*Required field – if Index Number field is blank*)

Specify the name(s) of the scheduled item(s) you want deleted. NMS accepts multiple entries separated by commas or spaces. The system deletes all scheduled occurrences of the specified commands or routines.

Press Go (or press F2) to execute the command.

# **Delete Scheduled Items Results Form**

This results form confirms that deletion is completed.

# **Delete Site Profile (dlsp)**

Use the *dlsp* command to delete an existing site profile. When you attempt to delete a site profile, NMS validates the existence of the profile and informs you if there are device profiles that reference the given site name. You can then cancel the command or continue with the deletion. If a deleted site profile was referenced in a device profile, the **Site name** field in those device profiles is automatically updated to reference the unnamed site.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	dlsp
Restrictions:	You cannot delete the site profile for the unnamed site.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Site Profile (crsp) Display Site Profile (dssp) Edit Site Profile (edsp)

# **Delete Site Profile Input Form**

This input form contains the following field.

### **Site name** (*Required field*)

Specifies the name of the site whose profile is to be deleted. Enter the name of an existing site that you want to delete. A message appears asking you to confirm this deletion.

Click on Go (or press F2) to execute the command.

# **Delete Site Profile Results Form**

This results form confirms that a site profile record has been deleted.

# **Delete User Profile (dlup)**

Use the *dlup* command to delete any user profile. When a user profile is deleted, queue results, scheduled items, user mail and personal routines associated with the User ID are automatically deleted.

Access Level:	System Administrator
Abbreviation:	dlup
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create User Profile (crup) Display User Profile (dsup) Edit User Profile (edup)

# **Delete User Profile Input Form**

This input form contains the following field.

User ID (Required field)

Identifies the user profile to be deleted. Enter an existing User ID.

Click on Go (or press F2) to execute the command.

# **Delete User Profile Results Form**

This results form confirms that a user profile record was deleted.

# **Delete Vendor Profile (dlvp)**

Use the *dlvp* command to delete an existing vendor profile. When you attempt to delete a vendor profile, NMS validates the existence of the profile and informs you if there are any device profiles and/or facility profiles that reference the vendor name. You can then cancel the command or continue with the deletion.

If a deleted vendor profile was referenced in a device profile or facility profile, the **Vendor name** field in those device profiles is automatically blanked out.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	dlvp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Vendor Profile (crvp) Display Vendor Profile (dsvp) Edit Vendor Profile (edvp)

### **Delete Vendor Profile Input Form**

This input form contains the following field.

#### Vendor name (Required field)

Specifies the name of the vendor whose profile is to be deleted. Enter the name of an existing vendor that you want to delete. Enter the name of only one vendor. Your entry is validated against entries in the existing vendor profile records.

If the vendor profile to be deleted is referenced in a device or facility profile, a message appears asking you to confirm this deletion.

Click on Go (or press F2) to execute the command.

# **Delete Vendor Profile Results Form**

This results form confirms that a vendor profile record was deleted.

# **Display Active Alert Snapshot (dsaas)**

Use the *dsaas* command to display all active alerts that match the criteria you specify on the Display Active Alert Snapshot input form. Leaving a field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:Help Desk, Data Technician, Manager, AdministratorAbbreviation:dsaasRestrictions:NoneRoutine:YesSchedule:YesRelated Commands:None

# **Display Active Alert Snapshot Input Form**

A sample of this input form is shown in Figure 2-20.

	Manager PLAY ACTIVE ALERT SNAPSHOT	Page 1
Device type(s):	all	_
Model(s):	all	_
Device(s):	all	-
		-
Alert(s):	all	-
Priority(s):	<u>all</u>	
Display filtering criteria:	filtered	
Destination for results:	ert	
Help Go CirFid	PrevFld MainMenu FillForm Defaults	Cancel

Figure 2-20. Display Active Alert Snapshot Input Form

This input form contains the following fields.

## **Device type(s)**

Specifies the type(s) of device(s) whose active alerts are to be displayed. Multiple entries are accepted. The default is **all**. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

### Model(s)

Enter the device model number(s) whose active alerts are to be displayed. Multiple entries and the keyword **all** (default value) are permitted. See Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for a list of model numbers.

### Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed. The default is **all**.

### Alert(s)

Specifies the type(s) of alert(s) to be displayed. Enter either the alert type(s), alert group(s), or the keyword **all** which is the default. See the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information on alert types and alert groups.

### **Priority**(s)

Specifies the priority level of alerts to be displayed. Enter the priority level (1, 2, or 3) or the keyword **all** which is the default. Multiple entries are allowed.

# **Display filtering criteria**

Specifies whether to display alerts that have passed the display filters. Enter either **filtered**, to display alerts which have passed both the processing filter and the display filter (default value); or **unfiltered**, to display alerts which have passed the processing filter but not the display filter. The **unfiltered** selection lets you display alerts which might not otherwise be displayed on the network Map, Monitor, and Summary. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Display Active Alert Snapshot Results Form**

The results form displayed is not a real-time display. All current active alerts that satisfy the search criteria are displayed. For each alert, the results content and format is the same as the Network Monitor. The list of alerts is ordered by time of occurrence with the most recent alert at the top of the list; the alert text is displayed in a color determined by the alert's priority. A sample of this results form is shown in Figure 2-21.

	RESULTS	Manager - DISPLAY ACTIVE	ALERT SNAPSHO	T Page 10
	11200210	DIG EM MOTIVE		
Device	Model	Network(net-)	Date-Time	Alert type
node248 m2/248	740	node248	12/17-14:01	48,22
Channel	Group: j10	disconnect - aud	it	**UNACKNOWLEDGED**
node248 m2/248	740	node248	12/17-14:01	48.22
Channel	Group: j10	disconnect – aud	it	**UNACKNOWLEDGED**
node248 m2/248	740	node248	12/17-14:01	48,22
Channel	Group: mjb11248	disconnect – aud	it	**UNACKNOWLEDGED**
node248 m2/248	740	node248	12/17-14:01	48.22
Channel	Group: cs22248	disconnect - aud	it	**UNACKNOWLEDGED**
Help	_	PrevMenu Main	Menu PrevForm	Cancel

Figure 2-21. Display Active Alert Snapshot Results Form

This results form contains the following fields.

### Device

Specifies the name and address of the device for which the alert has occurred.

# Model

Identifies the device's model number.

### Network (net-)

Specifies the network name with which the device is associated.

### **Date-Time**

Specifies the date and time that the alert occurred.

# Alert type

Specifies the type of alert. For modems, DSUs, etc., the alert type is usually a mnemonic code (for example, NR). For multiplexers, the alert type is the major/minor code defined by the multiplexers. Refer to the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

Any additional text describing the alert is also displayed on this form.

Also, the following conditions, if present are indicated on this form.

- Automated Action Indicates the status of any automatic action taken by the system. Possible values are **ATR** (automatic trouble report), **ADR** (alert driven routines), **UAI** (uniform alarm interface), and TT (trouble ticket).
- Visual Enable Specifies if the visual indicator is enabled but an alert has not been acknowledged. If this is the case, the message \*\*UNACKNOWLEDGED\*\* appears.

# **Display Alert Driven Routine Criteria (dsadrc)**

Use the *dsadrc* command to display the execution and user notification-related information associated with an Alert Driven Routine (ADR). You can display ADR criteria for one of the following items:

- A particular device type and alert group.
- A particular device.
- A particular routine.

Access Level: Help Desk, Data Technician, Manager, Administrator

Abbreviation:	dsadrc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit ADR Criteria (edadrc) Display Routine (dsr)

# **Display Alert Driven Routine Criteria Input Form**

There is one page in this input form for routines and devices and an additional page for device types. Samples of the pages for device type are shown in Figures 2-22 and 2-23.

Page 1

	DISPL	Map (Manager) AY ADR CRITERI	Ĥ		Page 1
	Selection criteria:	device type			
	Device type:				
	Alert group:				
Help	Go ClrFld Prev	Fld MainMenu	FillForm	Defaults	Cancel

Figure 2-22. Display Alert Driven Routine Criteria Input Form, Device Type, Page 1

Initially, this input form contains the following field.

#### **Selection criteria** (*Required field*)

Specifies the selection criteria. Valid entries are routine, device, or device type.

A pop-up menu is available listing the valid selections.

Depending on the selection criteria specified, NMS displays one of the following fields.

#### **Routine** (*Required field*)

Specify a system routine in the **Routine** field to display its associated ADR criteria record(s). System routines must prefixed with **sys-**. A pop-up menu is available listing the existing system routines.

#### **Device** (*Required field*)

Specify the device to display ADR criteria records which reference it. The following list describes valid entries for an individual device.

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Serial Number (examples: ser-1234567, ser-66778888)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are not allowed.

#### **Device type** (*Required field*)

Specify a device type to display its associated ADR criteria. Valid entries are any managed device types. However, if the user enters a device type for which no ADR criteria records exist, an error message will be displayed. A pop-up menu is available listing device types for which ADR criteria records exists.

If **device type** is specified as the selection criteria, the **Alert group** field is displayed.

### Alert group (Required field)

Specify an alert group to display its associated ADR criteria. Valid entries are any alert group associated with the specified device type. However, if a user enters an alert group for which no ADR criteria records exist, an error message will be displayed. A pop-up menu is available listing alert groups for which ADR criteria records exist.

# Page 2, Device Type Only

For **device type** selection criteria, a second page displays, showing a short summary of ADR criteria records for the device type/alert group selected. An input field, **Criteria number(s)**, is also displayed in which the user can enter one or more criteria record numbers. For each criteria number specified, the complete record will be displayed.

		Mar	nager			28
		DISPLAY AI	DR CRITERIA	1		Page 2
	Device type:	apl	Alert grou	ıp: apl−f;	acility	
Criteria Number	Rout Nam	ine e	Alert	s	Ale Clea	rt rs
1 Devices:	sys-cqx ser-26530460		all		all	
Criteri	ia number(s):					
Destination	for results:	crt				
Schedul	le execution:	now				
Help	Go ClrFlo	l PrevFld	MainMenu	FillForm	Defaults	Cancel

# Figure 2-23. Display Alert Driven Routine Criteria Input Form, Device Type Only, Page 2

This input form contains the following fields.

# **Device type**

Carried-over field from Page 1.

# Alert group

Carried-over field from Page 1.

# **Criteria Number**

Specifies the system assigned number for selecting criteria record.

### **Routine Name**

Specifies the system routine which is referenced in the ADR criteria record.

### Devices

Lists the device(s) referenced in the ADR criteria record.

### Alerts

Lists the alerts which may trigger the ADR.

### **Alert Clears**

Lists the alerts whose clears may trigger the ADR.

**Criteria number(s)** (*Required field*)

Enter a criteria number. Multiple criteria numbers may be entered or the keyword all.

# **Display Alert Driven Routine Criteria Results Form**

This results form displays each ADR criteria record which matches the specified search criteria. A sample of the Display ADR Criteria Results Form is shown in Figures 2-24. Refer to the Edit ADR Criteria (*edadrc*) command for detailed descriptions of the form fields.

	RESI	Manager ULTS - DISPLAY A	DR CRI	ITERIA		Page	12
Device type: Routine: Commands:	apl sys-cqx cq,det	Alert group: ADR state:	apl-f disak	facility oled Import	Criteri object in	a #: fo.:	1 yes
Device(s):	ser-26530460						
Alert type(s): Day(s):	all all	Alert clear Time	(s): (s):	all all			
	Destinat.	ion for ADR resu	lts:	queue			
Noti	fy users with Other u	network permiss sers to be notif	ion: ied:	yes			
	Solici a.						
Help		PrevMenu Mair	Menu	PrevForm		Cancel	

Figure 2-24. Display ADR Criteria Results Form

# **Display Alert Driven Routine Filter (dsadrf)**

Use the *dsadrf* command to display the alert driven routine (ADR) filter parameters for a specified device type, or to display device exceptions within a specified alert group. The ADR filter determines the time that an alert must be active after passing the processing filter before an alert driven routine can be triggered.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsadrf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Alert Driven Routine Filter (edadrf)

# **Display Alert Driven Routine Filter Input Forms**

A sample of this input form is shown in Figure 2-25.

	Manager 22
Device ty Opti	ape:
Destination for results: ort	
Schedule execution: now	
Help Go ClrFld P	revFld MainMenu FillForm Defaults Cancel

Figure 2-25. Display Alert Driven Routine Filter Input Form

This input form contains the following fields.

### **Device type** (*Required field*)

Enter the device type to display its associated filter values or exceptions. A pop-up menu is available listing the valid device types.

# **Option** (*Required field*)

Specify one of the following selections:

### alert group

Causes the results form to display the ADR filter values associated with all alert groups for the specified device type.

### device exceptions

Causes the results form to display the ADR device exceptions and filter values defined for a particular alert group.

A pop-up menu is available listing valid selections.

# Alert group (Required field)

NMS displays this field only if you chose the **device exceptions** option. Specify the alert group to display the ADR device exceptions and filter values defined for that alert group. Valid values are any alert group associated with the specified device type. A pop-up menu is available listing valid selections.

# **Display Alert Driven Routine Filter Results Forms**

When the option **alert group** is specified, a results form displays, listing each alert group associated with the specified device type, the type of filter (**duration** or **pass/block**) associated with each alert group, and the filter value defined for each filter (Figure 2-26). When the option **device exceptions** is specified, a results form displays, listing each device exception and associated filter value defined for the alert group specified (Figure 2-27). Up to 15 device exception records can be defined.

# Page 1, Alert Group

		Manager			28
	RESULTS -	DISPLAY ALER	T DRIVEN	ROUTINE FILTER	R Page 1
		Device type:	ntwk		
Alert	Filter			Adiustable	Exceptions
group	tupe	Filter value		defaults	allowed
ntwk-admin	pass/block	24:00:00	(block)	yes	yes
ntwk-calls	pass/block	24:00:00	(block)	yes	yes
ntwk-link	pass/block	24:00:00	(block)	yes	yes
ntwk-lkstat	pass/block	24:00:00	(block)	yes	yes
ntwk-nms	pass/block	24:00:00	(block)	yes	yes
ntwk-node	pass/block	24:00:00	(block)	yes	yes
ntwk-pstat	pass/block	24:00:00	(block)	yes	yes
ntwk-sysst	pass/block	24:00:00	(block)	yes	yes
**************************************	********************* ue Dec 17 15:26	END OF RESU :03 Com PrevMenu Mair	LTS **** pletion t Menu Pre	vine: Tue Dec : evForm	Cancel

Figure 2-26. Display Alert Driven Routine Filter Results Form, Alert Group

Page 1, Device Exceptions

	RESULTS	Mar 6 – DISPLAY	ager ALERT DRIV	EN ROUTINE F	ILTER	Page 1
Alert group:	ddd-device	Filter typ	pe: durati	on Filte	r value:	00:10:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************	**************************************	≪** END OF	RESULTS *	**************************************	Va 0 0 1 **********	lue 1:00:00 0:30:15 2:00:30 2:00:00
	. The Juli 10 00.	.41.02	COMPLECIO	n cine. Tue	50/110 00	.41.02
Help		PrevMenu	MainMenu	PrevForm		Cancel

Figure 2-27. Display Alert Driven Routine Filter Results Form, Device Exceptions

# **Display Alert Monitoring State (dsams)**

Use the *dsams* command to display the alert monitoring and polling time-out value for each available control channel.

For Communications Products Support devices, if the alert monitoring state is turned on for a control channel, the system continuously polls every active device on its poll list for health and status. The time-out interval is the time that the system waits for a device's response to a poll before it returns a No Response (NR) alert for the device.

For multiplexers, the alert monitoring state controls polling and async reporting of alerts. The timeout value is not applicable to multiplexers.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsams Alternate: dsfms
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit Alert Monitoring State (edams)

# **Display Alert Monitoring State Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on **Go** (or press **F2**) to execute the command.

# **Display Alert Monitoring State Results Forms**

A sample of the results form for Altos 5000 systems without the 16 Control Channels Option is shown in Figure 2-28.

7		Manag	]er	
		RESULTS - DISPLAY ALER	T MONITORING STATE	Page 1
	Control Channel m2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Alert Monitoring St polling & asynch r on on on on on on on on on on off on on on	ate Timeout Interva eporting n/a 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	al(Sec)
	Help	PrevMenu Mai	.nMenu PrevForm	Cancel

# Figure 2-28. Display Alert Monitoring State Results Form for Altos 5000 Systems

Sample results forms for the Altos 5000 systems with the 16 Control Channels Option configured and for Altos 15000 systems are shown in Figures 2-29 and 2-30.

۲ <u>۲</u>	Manager			
	RESULTS - DISPLAY ALERT MONITOR	RING STATE	Page	1
Control Channel m2 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	Alert Monitoring State polling & asynch reporting on on on on on on on on on on on on on	Timeout Interval(Se n/a 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	ec)	
14 15 Help	on on PrevMenu MainMenu Pr	0.5 0.5 0.5 revForm	ancel	

Figure 2-29. Display Alert Monitoring State Results Form for Systems Configured with 16 Control Channels, Page 1



Figure 2-30. Display Alert Monitoring State Results Form for Systems Configured with 16 Control Channels, Page 2

These results forms contain the following fields.

### **Control Channel**

Lists the control channel(s) 1 through 8 or 1 through 16 depending on system configuration and the multiplexer control channel **m2**. The **m2** control channel represents the ACCULINK multiplexer network. The e1 control channel represents the Bytex switch network.

Control channels a1 through a6 represent the six possible ANALYSIS control channels.

# **Alert Monitoring State**

Indicates whether or not alert monitoring is active for each control channel. Valid values for Communications Products devices are on and off. Valid values for multiplexers are

•	polling	=	NMS is polling multiplexers on its poll list; asynchronous alert reporting is turned off.
•	asynch reporting	=	NMS is receiving asynchronous event reports from the multiplexers on its poll list; polling is turned off.
•	polling & asynch reporting	=	NMS is both polling multiplexers for alarms and receiving asynchronous alert reports from
	them.		
•	off functions are disabled.	=	Both polling and asynchronous alert reporting

### **Timeout Interval (Sec)**

Identifies the time-out value for no response on control channel polling. If the NMS does not receive a response from a device on its poll list within this interval, it posts an **NR** (diagnostic failure) alert for that device. The time-out interval is not applicable to multiplexers.

# **Display ATR Phone Directory (dsatrpd)**

Use the *dsatrpd* command to display the contents of Automatic Trouble Report (ATR) phone directories. These directories contain telephone numbers to be used when an ATR is sent to a remote printer. One of these phone numbers can be the printer at the NetCare Center, if desired. A dedicated port can also be identified as an ATR destination in the ATR phone directory.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsatrpd Alternate: dsatrp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display ATR States (dsatrs) Edit ATR Phone Directory (edatrpd) Edit ATR States (edatrs)

# **Display ATR Phone Directory Input Form**

This input form contains the following fields.

# Phone directory (Required field)

Identifies the number of the directory whose contents you want to display. There are four phone directories available for each device type/alert group combination in your system. Valid values are 1, 2, 3, and 4.

# **Device type** (*Required field*)

Specifies the device type whose phone directory is to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Display ATR Phone Directory Results Form**

A sample Display ATR Phone Directory results form is shown in Figure 2-31.

<u>ح</u> ا	Manage	9 <b>r</b>	
	RESULTS - DISPLAY ATR PHO	ONE DIRECTORY	Page 1
Phon	e directory: 1 I	levice type: mux	
Alert group Number of retries Comments	ATR destination Retry interval (min:s	ec)	
mux-alarm1 3	05:00		
mux-alarm2 3	05:00		
mux-alarm3 3	05:00		
Help	PrevMenu MainMe	enu PrevForm	Cancel

Figure 2-31. Display ATR Phone Directory Results Form

This results form contains the following fields.

### **Phone directory**

Displays the number of the phone directory entered in the Display ATR Phone Directory input form.

### **Device type**

Displays the device type entered in the Display ATR Phone Directory input form.

### Alert group

Lists each alert group associated with the specified device type. The following information displays for each alert group:

### Number of retries

Specifies the number of retry attempts (0 through 7) to send the ATR. If port has been specified as the destination, this field does not apply.

### **Retry interval (min:sec)**

Specifies the amount of time (minutes and seconds) to wait before another attempt is made to send the ATR to the specified destination. If **port** was specified as the destination, this field does not apply.

### **ATR destination**

Specifies either the telephone number for the destination, or displays the keyword **port** for the ATR's dedicated port.

# Comments

Displays any additional comments about that destination.

# **Display ATR States (dsatrs)**

Use the *dsatrs* command to display the Automatic Trouble Report (ATR) state for each control channel in the system. If the ATR state is off for a particular control channel, automatic trouble reports are not sent if the ATR-triggering alert is received from a device on that control channel.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsatrs
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display ATR Phone Directory (dsatrpd) Edit ATR Phone Directory (edatrpd) Edit ATR States (edatrs)

# **Display ATR States Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

# **Display ATR States Results Form**

A sample of this results form is shown in Figure 2-32.

System M RESULTS - DIS	lansgement 22
Control channel m2 1 2 3 4	State on on on on
5 6 7 8	on on on on on
**************************************	RESULTS ************************************
Help PrevMenu	MainMenu PrevForm Cancel

Figure 2-32. Display ATR States Results Form

The results form contains the following fields.

# **Control Channel**

Specifies the control channel.

# State

Specifies ATR state of each listed control channel (**on** or **off**). The **on** value indicates that the NMS is authorizing Automatic Trouble Reports for that control channel. The **off** value indicates that Automatic trouble reporting is turned off for that control channel.

# **Display Audit Trail (dsat)**

Use the *dsat* command to display, via user-selectable criteria, the contents of the Audit Trail table.

Access Level:	Administrator
Abbreviation:	dsat
<b>Restrictions:</b>	Accessible only to the System Administrator
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Delete Audit Trail (dlat)

# **Delete Audit Trail Input Form**

A sample Display Audit Trail input form is shown in Figure 2-33.

	Manager		
	DISPLAY AUDIT TRAIL	Page	1
User ID:	■ Command:		
Search for:			
Search val1:			
Search val2:			
Date(s) included: Time interval:	03/09/94 to 05/09/94 19:43 to 23:59		
Exception val:	<u>no</u> Sort by: <u>Date/Time</u>		
Help Go ClrFlo	d PrevFld MainMenu FillForm Defaults	Cancel	

Figure 2-33. Display Audit Trail Input Form

This input form contains the following fields.

# User ID

Enter the ID of the user you want to search for in the Audit Trail table. This field accepts "\*" as the only wildcard character to expand the search. For example, if you enter chi\* in this field, all users at a particular site with user IDs that begin with chi will be selected (e.g., chioper1, chioper2, chip1, chip2).

### Command

Specifies a system acronym, system routine name, or user routine name. This field accepts "\*" as the only wildcard character.

### Search for

This conditional field is populated only when a value is entered into field **Search\_val1**. It describes the type of value that will be entered into field **Search\_val1**. This field is populated via a pop-up menu. The pop-up menu displays the following menu items:

- **single device** this signifies that a single device address has been entered. Valid address formats for this field are link level address, mnemonic name, and serial number addressing.
- **multiple device** this signifies that a multiple device address format has been entered. Valid address formats include addresses with prefixes of **net-, cir-,** and **ser-,** as well as link-level and mnemonic addresses. This field accepts multiple entries separated by commas. The entries in a multiple devices field will **not** expand into their component parts. An entry such as net-atm1 will not expand into multiple addresses; the "\*" wildcard entry, however, may be used (e.g., net-atm\*) which will expand into all occurrences that match the initial string segment. The address 1/32/\* would find all link-level addresses below 1/32, but it would not find device 1/32/3 if the command to this device used its mnemonic name.

### Search\_val1

Enter any alphanumeric string to be used as a search value. This field must match the original input as entered by the user. This field accepts "\*" as the only wildcard character.

#### Search\_val2

Enter any alphanumeric string to be used as a search value. This field accepts "\*" as the only wildcard character.

### Date(s) included

- from date: Specifies the beginning date of your search. The default value is the date of the earliest entry found in the audit\_trail table. Valid values are **first**, **today**, **mm/dd/yy**.
  - *Where:* first specifies the first entry in the audit\_trail table.
    - today specifies the current date.

mm/dd/yy specifies the month, day, and year.

• to date: Specifies the ending date of your search. The default value is the current date. Valid values are **today**, **today**-*nn*, **mm/dd/yy**.

*Where:* today specifies the current date.

**today**-*nn* specifies a number of days before today; *nn* specifies an integer number from 1 through 32.

**mm/dd/yy** specifies the month, day, and year.

# Time interval

- from time: Specifies the beginning time of the search. The default value is the time of the earliest entry in the audit\_trail table. The valid format is **hh:mm**. Note that 12:00 a.m., midnight, is specified as 00:00 and 11:59 p.m. is specified as 23:59.
- to time: Specifies the ending time of the search. The valid format is hh:mm.

#### **Exception val**

A pop-up menu displays the values **yes** and **no** for this field. The default value is **no**. Changing this value to **yes** has the effect of constraining the search to table entries with permissions error.

### Sort by

Indicates how the results should be sorted for display. A pop-up menu is available listing valid selections.

# **Display Audit Trail Results Form**

This results form contains the following fields.

### NOTE

The output displayed on the Display Audit Trail results form depends on the input values entered on the Display Audit Trail input form.

# User ID

The ID of the user.

# Cmd acro

A system acronym, system routine name, or user routine name.

### Date/time

The date and time that the record was entered into the Audit Trail database which corresponds with the time that the user executed the particular command.

The output is sorted as defined in the Display Audit Trail input form.

# **Display Automated Action Filter (dsaaf)**

Use the *dsaaf* command to display the automated action filters for each alert group of a specified device type or to display device exceptions within a specified alert group. The automated action filter specifies the length of time that an alert must be active after passing the processing filter before an Automatic Trouble Report (ATR) or automatic trouble ticket is generated.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsaaf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit ATR States (edatrs) Edit Automated Action Filter (edaaf) Edit Device Profile (eddp)

# **Display Automated Action Filter Input Form**

This input form contains the following fields.

# **Device type** (*Required field*)

Specifies the device type whose automated action filter parameters are to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid device types.

# **Option** (Required field)

Specifies which filter parameters should be displayed. Selecting **alert group** causes NMS to display filter parameters for all alert groups of that device type. Selecting **device exceptions** causes NMS to display any exceptions on a device by device basis for those filter parameters for an alert group. If **device exceptions** is chosen, the **Alert group** field appears. A pop-up menu is available listing valid selections.

# Alert group

Specifies the alert group for which device exceptions and corresponding automated action filter parameters are to be displayed. This field is only applicable when device exceptions is chosen for the **Option** field. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Display Automated Action Filter Results Form**

The results form depends on whether you selected **alert group** (Figure 2-34) or **device exceptions** (Figure 2-35) in the **Option** field.

# Page 1, Alert Group

		Manager DICDLOV OUTO	MOTED OCT		
	KESULIS	- DISFLAI AUIU	HIED HUI	ION FILIER	rage i
		Device type:	mux		
Alert	Filter			Adjustable	Exceptions
group	type "	Filter value	<i></i>	defaults	allowed
mux-admin	pass/block	24:00:00	(block)	yes	yes
mux-al	duration	00:01:00		yes	yes
mux-calls	pass/block	24:00:00	(block)	yes	yes
mux-cgalarm	duration	00:01:00		yes	yes
mux-cgevnt	pass/block	24:00:00	(block)	yes	yes
mux-chmod	duration	00:01:00		yes	yes
mux-clock	duration	00:01:00		yes	yes
mux-comm	duration	00:01:00		yes	yes
mux-config	pass/block	24:00:00	(block)	yes	yes
mux-ds1ch	duration	00:01:00		yes	yes
mux-hw	duration	00:01:00		yes	yes
mux-11	pass/block	24:00:00	(block)	yes	yes
Halp		ProuMonu Mair	Manu Pre	wEcom	Cancel
петр		Freemenu Main	meria File		Cancel

# Figure 2-34. Display Automated Action Filter Results Form, Alert Group

This results form contains the following fields.

### Alert group

Lists each alert group associated with the specified device type. Each alert group, along with its associated automated action filter, displays for the specified device type.

# Filter type

Identifies the type of filter (**duration** or **pass/block**) used for alerts in each alert group. The **duration** value means the filter is dependent on the duration of the alert. The **pass/block** value means the alert is either passed automatically (pass) or it never passes (**block**) the filter.

# Filter value

Specifies the filter value for each filter. This value can be either **pass** or **block** for pass/block filters. This value can be **pass**, **block**, or a time for duration filters. The duration indicates the length of time an alert must be active before it can pass the filter.

# Adjustable defaults

Specifies whether the filter parameters can be changed by the user.

### **Exceptions allowed**

Specifies whether device exceptions can be created.

# Page 1, Device Exceptions

	RESULTS	Managa 6 – DISPLAY Al	æ JTOMATED ACTIO	DN FILTER	Page 1
Alert group:	ddd-device	Filter type:	duration	Filter value:	00:10:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************* Start time	******************** : Tue Jun 16 08;	*** END OF RE ;59:13 (	SULTS ***** Completion tim	V ************************************	alue 01:00:00 02:15:00 10:00:00 12:00:00 ********* 8:59:13
Help		PrevMenu M	ainMenu PrevB	Form	Cancel

# Figure 2-35. Display Automated Action Filter Results Form, Device Exceptions

This results form contains the following fields.

### Alert group

Identifies the selected alert group.

# Filter type

Identifies the filter type associated with the selected alert group.

# **Filter value**

Identifies the filter value associated with the filter used for alerts in the selected alert group.

### Device

Lists each device for which exceptional filter settings have been created.

### Value

Lists the filter value for each device exception.

# **Display Device Group (dsdg)**

Use the dsdg command to display all devices belong to a particular device group.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	dsdg
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Device Group (eddg) List Device Group (lsdg)

# **Display Device Group Input Form**

A sample of this input form is shown in Figure 2-36.

	Mana	ger				
	DISPLAY D	EVICE GROU	P		Page	1
Device	group: cc-2					
Destination for results:	crt					
Schedule execution:	now					
			E:11E		I	
Help Go Cirt.	ld Previld	MainMenu	FillForm	Defaults	lancel	



# Device group (Required field)

Input the name or number of a device group on the system. The device group name can be up to 15 characters in length. Valid device group numbers are from **1** through **50**. A pop-up menu lists the valid device group names and numbers.

# **Display Device Group Results Form**

The results form (Figure 2-37) displays the current device group definitions for the device group specified on the input form.

	Manager RESULTS – DISPLAY DEVICE GROUP	Page 1
Device group:	cc-1 Group number: 1	
Device(s):	1/*	
Device type(s):		
Model(s):		
Sites(s):		
Help	PrevMenu MainMenu PrevForm C	ancel

Figure 2-37. Display Device Group Results Form

# **Display Device Profile (dsdp)**

Use the *dsdp* command to display the profile(s) of the specified device(s). The results form that appears differs depending on the type of device specified in the input form (supported versus unsupported, and modem versus multiplexer).

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsdp
Restrictions:	You can display multiple device profiles but you are limited to a single class of devices: dce, multiplexer, unsupported, bytex, snmp or system.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Device Profile (crdp) Delete Device Profile (dldp) Edit Device Profile (eddp) List Device Profile (lsdp)

# **Display Device Profile Input Form**

This input form contains the following fields.

# Device classification (Required field)

Specifies the device's class. Valid values are **unsupported** (for unsupported devices), system (for the NMS device profile), **dce** (for modems and DSUs), **bytex** (for Bytex devices), **mux** (for multiplexers), and **snmp** (for SNMP and brouter devices). Depending on the value entered, results forms differ. That is, the results forms differ for supported versus unsupported devices, and modem versus multiplexer devices. A pop-up menu lists the valid selections.

# **Device(s)** (*Required field*)

Specifies the device(s) NMS uses as the search criteria. Device IDs can be as follows.

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. NMS allows multiple entries and the wildcard characters (\*?!).

Click on Go (or press F2) to execute the command.

# **Display Device Profile Results Forms**

There are multiple pages for this results form. Many of the results form fields mirror the Create Device Profile (*crdp*) command input form fields. Refer to the *crdp* command for a complete description of all results form for fields.

# Page 1, Modem Devices

This results form contains the following fields.

### NMS support

Indicates whether the device is **supported** or **unsupported**. See the *crdp* command for more information.

### **Inventory state**

Indicates whether or not the device is used in the network. See the *crdp* command for definitions of possible values.

### **Device address**

Displays the device's address in the network. See the *crdp* command and Appendix D, *Device Addressing*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

### **Device name**

Displays the unique mnemonic name for the device. If you did not specify a device name in the input form, the system generated name is displayed. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field and its value are displayed on all subsequent results form pages.

### Telephone no.

Displays the device's telephone number (for ddd device type, 3910 model number, or 3911 model number only).

### **Device type**

Indicates the type of device. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for valid device types.

### **Protocol mode**

Identifies the protocol mode of the device. Displays **dataphone II** for devices operating in DATAPHONE II protocol mode, or **advanced** for devices operating in Advanced Diagnostic protocol mode. This field is blank for ANALYSIS DMC protocol.

### **Product type**

Identifies the product name. Displays **comsphere** (3400/4400 Series modems, 3900 Series modems, COMSPHERE 3800 Series DDD modems, 3600 Series DSUs and DDD modems), **3500 dsu** (3500 Series DSUs and DDD modems), dataphone (DATAPHONE II modems), or **analysis** (ANALYSIS devices).

### Model number

Identifies the appropriate device model number for the given device type.

### System polling

Specifies the type of polling the device is receiving directly from the NMS. See the Create Device Profile (*crdp*) command for possible values.

#### Version number

Indicates the hardware or software version of the device.

### Serial number

Displays the device's unique serial number. All serial numbers begin with the protected prefix ser-.

### Number of ports

Displays the number of physical ports configured or available on the device.

### **Physical address**

Identifies the cabinet, carrier, and slot position of the device. The physical address format is **ccc:c:sl:f** 

Where:	ccc	= Cabinet number $(1-999)$
	c	= Carrier $(1-9)$
	sl	= Slot number $(1-99)$
	f	= Slot position (enter <b>f</b> for front, <b>r</b> for rear, or leave blank)

See the Create Device Profile (*crdp*) command for more information.

### **Device** position

Indicates whether the device is a **control** device or a **tributary** device.

### **Circuit type**

Indicates the type of circuit with which the device is associated.
## Page 2, Modem Devices

This results form contains the following fields.

#### **Date installed**

Indicates the installation date of the device in the format mm/dd/yy (month/day/year).

#### Purchased/Leased

Specifies if the device is **purchased** or **leased**.

#### **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. See the *crdp* command input screen for values that can appear in this field. In addition to the restoral devices listed there, the following ANALYSIS devices can also display.

acu – Auto Call Unit

macu – Multidrop Auto-Call Unit

none - No restoral device configured

#### **External system**

Identifies an external system that may manage this device and for which the NMS can establish a cut-through session. See the Create Device Profile (*crdp*) command for more information.

## **Parent device**

Indicates the device's parent. All devices with the same parent will appear on the parent's object list on the network map.

## Access module id

Identifies the DCE access module. See the Create Device Profile (*crdp*) command for more information.

### Alternate mode address

Specifies an alternate address to be used when changing the protocol mode between **dataphone** and **advanced** (or vice versa) for COMSPHERE product-type devices only. See the Create Device Profile (*crdp*) command for more information.

#### **Circuit name**

Identifies the name of the circuit to which the device is attached. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits.

#### Network name

Identifies the name of the network to which the device is attached. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks.

#### Site name

Specifies the name of the location of the device.

#### Vendor name

Identifies the company name of the vendor supplying the device.

## Page 3, Modem Devices

This results form contains the following fields.

#### CALL STATISTICS (for COMSPHERE 3800 Series DDD modem Model 3811-B1-001)

Displays only if you specify COMSPHERE 3800 Series DDD modem Model 3811-B1-001. Options are as follows.

## Collect

Indicates whether or not NMS should save call summary information for this device.

#### Store call detail

Indicates whether or not NMS should save call detail information for this device.

## AUTHORIZATIONS

## ТΤ

Indicates if Automatic Trouble Tickets are authorized for the device (on or off).

## ATR

Indicates if Automatic Trouble Reports are authorized for the device by specifying the appropriate ATR phone directory numbers to be used (1, 2, 3, 4). If ATRs are not authorized for the device, **off** displays (default value).

## UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device (**on** or **off**).

#### USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 4, Modem Devices

This results form contains the following field.

#### Comments

Displays any additional user information needed concerning the device.

#### Page 1, Multiplexers

This results form contains the following fields.

### NMS support

Indicates whether the device is supported or unsupported.

#### **Inventory state**

Indicates whether or not the device is being used in the network. See the Create Device Profile (*crdp*) command for definitions of possible values.

#### **Device address**

Displays the device's address in the network. See the Create Device Profile (*crdp*) command and Appendix D, *Device Addressing*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information on device addressing.

#### **Device name**

Displays the unique mnemonic name for the device. If you did not specify a device name in the input form, the system generated name is displayed. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field and its value are displayed on all subsequent results form pages.

#### **Device type**

Indicates the type of device. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for valid device types.

#### Model number

Identifies the appropriate device model number for the given device type.

#### **Product type**

Identifies the product name. In this case, series 700 displays.

## System polling

Specifies the type of polling the device is receiving directly from the NMS. See the Create Device Profile (*crdp*) command for possible values.

## Version number

Indicates the hardware or software version of the device.

#### Serial number

Displays the device's unique serial number. All serial numbers begin with the protected prefix **ser-**. If the device communicated all zeros for its serial number, this field remains blank.

## Number of ports

Displays the number of physical ports configured or available on the device.

## **Physical Address**

This field does not apply to multiplexer devices.

#### **Device** position

Indicates whether the device is a **control** device or a **tributary** device.

#### **Circuit type**

Indicates the type of circuit with which the device is associated.

## Page 2, Multiplexers

This results form contains the following fields.

## **Device name**

Displays the unique mnemonic name for the device. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Date installed

Indicates the installation date of the device in the format mm/dd/yy (month/day/year).

## Purchased/Leased

Specifies if the device is **purchased** or **leased**.

#### **Restoral device**

The value n/a (not applicable) is displayed for multiplexer devices.

#### **External system**

Identifies the external system that manages this device. See the Create Device Profile (*crdp*) command for more information.

## Parent device

Indicates the device's parent. All devices with the same parent will appear on the parent's object list on the network map.

#### **Circuit name**

Identifies the name of the circuit to which the device is attached. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits.

#### Network name

Identifies the name of the network to which the device is attached. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks.

#### Site name

Indicates the name of the geographical location of the device.

#### Vendor name

Identifies the company name of the vendor supplying the device.

#### Page 3, Multiplexers

This results form contains the following fields.

#### **Device name**

This is a display-only field based on information entered on a previous input form.

## AUTHORIZATIONS

#### ТТ

Indicates if Automatic Trouble Tickets are authorized for the device (on or off).

## ATR

Indicates if Automatic Trouble Reports are authorized for the device by specifying the appropriate ATR phone directory numbers (1, 2, 3, or 4) to be used for the ATR (on or off).

## UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device (**on** or **off**).

## USER CONTACT

## Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

#### Page 4, Multiplexers

This results form contains the following field.

## Comments

Displays any additional information needed concerning the device.

## Page 1, Unsupported Devices

This results form contains the following fields.

#### NMS support

For unsupported devices, value is always unsupported.

#### **Inventory state**

Indicates whether or not the device is being used in the network. See the Create Device Profile (*crdp*) command for definitions of possible values.

## **Device name**

Displays the unique mnemonic name for the device. If you did not specify a device name in the input form, the system generated name is displayed. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field and its value are displayed on all subsequent results form pages.

## **Device type**

Indicates the type or class of device specified in the input form. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for valid device types.

## Model number

Identifies the appropriate model number for the specified device.

## Serial number

Displays the device's unique serial number. All serial numbers begin with the protected prefix **ser**.

## Version number

Indicates the hardware or software version of the device.

## **Physical address**

Identifies the cabinet, carrier, and slot position of the device in the format ccc:c:sl:f.

Where: 
$$ccc = Cabinet number (1-999)$$
  
 $c = Carrier (1-9)$   
 $sl = Slot number (1-99)$   
 $f = Slot position (enter f for front, r for rear, or leave blank)$ 

## Number of ports

Displays the number of physical ports configured or available on the device.

## **Device position**

Indicates whether the device is a **control** device or a **tributary** device.

## **Circuit type**

Indicates the type of circuit with which the device is associated.

## Date installed

Displays the installation date of the device.

## Purchased/Leased

Indicates if the device is **purchased** or **leased**.

#### **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. See the Create Device Profile (*crdp*) command for possible values.

#### **External system**

Specifies an external system that may manage this device. See the Create Device Profile *(crdp)* command for more information.

## **Parent device**

Indicates the device's parent. All devices with the same parent will appear on the parent's object list on the network map.

## Page 2, Unsupported Devices

This results form contains the following fields.

#### **Circuit name**

Identifies the name of the circuit to which the device is attached. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits.

## Network name

Identifies the name of the network to which the device is attached. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks.

#### Site name

Specifies the name of the location of the device.

#### Vendor name

Identifies the company name of the vendor supplying the device.

#### USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

## Address

Indicates the address of the person responsible for the device when there is a service problem.

#### Page 3, Unsupported Devices

This results form contains the following field.

### Comments

Displays any additional information concerning the device.

## Page 1, System Profile

This results form contains the following fields.

## NMS support

Indicates whether the device is supported or unsupported.

#### **Inventory state**

Indicates whether or not the device is being used in the network. See the Create Device Profile (*crdp*) command for definitions of possible values.

#### **Device name**

Displays the unique mnemonic name for the device. If you did not specify a device name in the input form, the system generated name is displayed. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. This field and its value are displayed on all subsequent results form pages.

#### **Device type**

Indicates that the device type is system.

#### Model number

Identifies the appropriate model number for the specified device.

## Serial number

Displays the device's unique serial number. All serial numbers begin with the protected prefix **ser**.

#### Version number

Indicates the hardware or software version of the device.

## **Physical address**

Identifies the cabinet, carrier, and slot position of the device in the format ccc:c:sl:f.

Where:
$$ccc$$
=Cabinet number (1–999) $c$ =Carrier (1–9) $sl$ =Slot number (1–99) $f$ =Slot position (enter **f** for front, **r** for rear, or leave blank)

## Number of ports

Displays the number of physical ports configured or available on the device.

#### **Device** position

Indicates whether the device is a **control** device or a **tributary** device.

## **Circuit type**

Indicates the type of circuit with which the device is associated.

## Date installed

Displays the installation date of the device.

#### **Purchased/Leased**

Indicates if the device is **purchased** or **leased**.

## **Restoral device**

Indicates if the device is equipped with or has access to service restoration equipment. See the Create Device Profile (*crdp*) command for possible values.

## **External system**

Specifies an external system that may manage this device. See the *crdp* command for more information.

## Parent device

Indicates the device's parent. All devices with the same parent will appear on the parent's object list on the network map.

## Page 2, System Profile

This results form contains the following fields.

## **Circuit name**

Identifies the name of the circuit to which the device is attached. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits.

## Network name

Identifies the name of the network to which the device is attached. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks.

#### Site name

Specifies the name of the location of the device.

#### Vendor name

Identifies the company name of the vendor supplying the device.

## USER CONTACT

#### Name

Indicates the name of the person responsible for the device when there is a service problem.

#### Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

## Page 3, System Profile

The results form contains the following field.

#### Comments

Displays any additional information concerning the device.

## Page 1, SNMP and Brouter

This results form contains the following fields.

#### NMS support

For SNMP/brouter devices, the value is always supported.

#### **Inventory state**

Indicates whether or not the device is used in the network. See the Create Device Profile (*crdp*) command for definitions of possible values.

## **Device address**

Displays the device's address in the network. See the *crdp* command and Appendix D, *Device Addressing*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## **IP address**

Displays the IP address for the device. Refer to Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### **Device type**

Indicates the type of device. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for valid device types.

### **Product type**

Identifies the product name. For SNMP/brouter devices, the product type is always **SNMP/Brouter**.

#### Model number

Identifies the appropriate device model number for the given device type.

## System polling

Specifies the type of polling the device is receiving directly from the NMS. See the Create Device Profile (*crdp*) command for possible values.

#### Version number

Indicates the hardware or software version of the device.

#### Serial number

Displays the device's unique serial number. All serial numbers begin with the protected prefix **ser**-.

#### Page 2, SNMP and Brouter

This results form contains the following fields.

## Date installed

Indicates the installation date of the device in the format mm/dd/yy (month/day/year).

## Purchased/Leased

Specifies if the device is **purchased** or **leased**.

## External system

Identifies an external system that may manage this device and for which the NMS can establish a cut-through session. See the Create Device Profile (*crdp*) command for more information.

#### **Circuit name**

Identifies the name of the circuit to which the device is attached. Circuit names begin with the protected prefix **cir-**, and are used to group devices by their logical circuits.

## Network name

Identifies the name of the network to which the device is attached. Network names begin with the protected prefix **net-**, and are used to group related devices into subnetworks.

#### Site name

Specifies the name of the location of the device.

#### Vendor name

Identifies the company name of the vendor supplying the device.

# Page 3, SNMP and Brouter

This results form contains the following fields.

## AUTHORIZATIONS

## ТТ

Indicates if Automatic Trouble Tickets are authorized for the device (on or off).

## ATR

Indicates if Automatic Trouble Reports are authorized for the device by specifying the appropriate ATR phone directory numbers to be used (1, 2, 3, 4). If ATRs are not authorized for the device, **off** disp**121** lays (default value).

## UAI

Indicates if the Uniform Alarm Interface is available and authorized for the device (**on** or **off**).

## **USER CONTACT**

## Name

Indicates the name of the person responsible for the device when there is a service problem.

## Phone number

Indicates the phone number of the person responsible for the device when there is a service problem.

#### Address

Indicates the address of the person responsible for the device when there is a service problem.

# Page 4, SNMP and Brouter

This input form contains the following field.

## Comments

Enter any additional information needed concerning the device.

Click on **Go** (or press **F2**) to execute the command.

# **Display Display Filter (dsdf)**

Use the *dsdf* command to display the display filter value for each alert group of the device type specified or to display device exceptions within a specified alert group. A display filter specifies the time an alert must be active after passing the processing filter before it is shown on the network map, monitor and summary.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsdf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Display Filter (eddf)

## **Display Display Filter Input Form**

This input form contains the following fields.

#### **Device type** (*Required field*)

Specifies the device types whose display filter parameters are to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid device types.

## **Option** (*Required field*)

Specifies which filter parameters should be displayed. Selecting **alert group** causes NMS to display filter parameters for all alert groups of that device type. Selecting **device exceptions** causes NMS to display only exceptions on a device by device basis for those filter parameters for an alert group. If **device exceptions** is chosen, the **Alert group** field appears. A pop-up menu is available listing valid selections.

### Alert group

Specifies the alert group for which device exceptions and corresponding display filter parameters are to be displayed. This field is only applicable when **device exceptions** is chosen for the **Option** field. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

#### **Display Display Filter Results Form**

The results form that appears depends on whether you chose **alert group** (Figure 2-38) or **device exceptions** (Figure 2-39) in the **Option** field.

# Page 1, Alert Group

RES	Manager RESULTS - DISPLAY DISPLAY FILTER			
	Device type:	mux		
Alert Filter group type mux-admin pass/bl mux-al duratic mux-calls pass/bl mux-cgalarm duratic mux-cgevnt pass/bl mux-chmod duratic mux-clock duratic mux-config pass/bl mux-config pass/bl mux-ds1ch duratic mux-hw duratic mux-ll pass/bl	Filter value lock 24:00:00 on 00:00:00 lock 24:00:00 on 00:00:00 on 00:00:00 on 00:00:00 on 00:00:00 lock 24:00:00 on 00:00:00 lock 00:00:00	(block) (pass) (block) (pass) (pass) (pass) (pass) (block) (pass) (pass) (pass)	Adjustable defaults yes yes yes yes yes yes yes yes yes ye	Exceptions allowed yes yes yes yes yes yes yes yes yes yes

## Figure 2-38. Display Display Filter Results Form, Alert Group

This results form contains the following fields.

#### Alert group

Lists each alert group associated with the specified device type.

## **Filter type**

Identifies the type of filter, **duration** or **pass/block**, used for alerts in the alert group. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter. This information is provided for each filter.

### **Filter value**

Specifies the filter value for each filter. This value can be **pass** or **block** for pass/block filters; **pass** or **block**, or a time for duration filters. The duration indicates the length of time an alert must be active before it can pass the filter.

## Adjustable defaults

Specifies whether the filter parameters can be changed by the user.

#### **Exceptions allowed**

Specifies whether device exceptions can be created.

# Page 1, Device Exceptions

	RESUL	Manage FS – DISPLAY DI	r SPLAY FILTER		Page 1
Alert group:	ddd-device	Filter type:	duration	Filter value:	00:00:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************ Start time	**************** : Tue Jun 16 09	**** END OF RE 3;02;19 (	SULTS ***** Completion tir	Va ( ( ( 1 ne: Tue Jun 16 09	alue 1:00:00 02:15:00 03:30:15 .2:00:00 3:02:19
Help	_	PrevMenu M	ainMenu Prevl	orm	Cancel

# Figure 2-39. Display Display Filter Results Form, Device Exceptions

This results form contains the following fields.

## Alert group

Identifies the selected alert group.

## Filter type

Identifies the filter type associated with the selected alert group.

## **Filter value**

Identifies the filter value associated with the filter used for alerts in the selected alert group.

# **Display External System Configuration (dsesc)**

Use the *dsesc* command to display the external system configurations. These configurations are used to specify those systems to which cut-through sessions from NMS are available.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsesc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Port Configurations (dspc) Edit External System Configuration (edesc) Edit Port Configurations (edpc)

# **Display External System Configuration Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

# **Display External System Configuration Results Form**

۲ <u>- ح</u>	Manager	
RESULTS - DI	SPLAY EXTERNAL SYSTEM CONFIGURATION	Page 1
Name Host name or IP address Task name or Terminal Ty	Type ype Parameter	Port group
imi	other	100
mosaic 135.20.40.215 /usr/local/bin/mo	sm	0
sup2-tty41	other	107
	Prevmenu MainMenu PrevForm	Lancel

A sample of this results form is shown in Figure 2-40.

## Figure 2-40. Display External System Configuration Results Form

For a complete description of the results form fields, refer to the Edit External System Configuration (*edesc*) command.

# **Display Facility Profile (dsfp)**

Use the *dsfp* command to display profile(s) for the specified facility (or facilities). A facility is defined as the physical connection between two devices, with no intervening connections. Enter facility names and/or device endpoints to display their associated data.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsfp
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Facility Profile (crfp) Connectivity Report (cr) – accessed from Trouble/Inventory Reports task Delete Facility Profile (dlfp) Edit Facility Profile (edfp) Facility Inventory Report (fir) – accessed from Trouble/Inventory Reports task List Facility Profile (lsfp)

## **Display Facility Profile Input Form**

This input form contains the following fields.

#### Facility name(s)

Identifies the unique name(s) of the facility (or facilities) whose profile(s) you want to display. Names are prefaced with the protected prefix **fac-**. Refer to the Create Facility Profile (*crfp*) command for valid values. Multiple entries are allowed.

#### Device(s)

Specifies the device(s) whose connected facilities you want to display. Device IDs can be specified as follows.

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. NMS allows multiple entries and the wildcard characters (\*?!).

You can specify **Facility name(s)**, **Device(s)** or both. The results applies all profiles that satisfy the selection criteria.

Click on Go (or press F2) to execute the command.

## **Display Facility Profile Results Form**

There are multiple pages for this results form. Samples of Pages 1 and 2 are shown in Figures 2-41 and 2-42.

Page 1

RESULTS	Manager 6 - DISPLAY FACIL	ITY PROFILE	Page 1
Facility name: fac-t1	F	acility type:	Τ1
FACILITY ENDPOINT 1 Device name: node150 Address: m2/150 Model number: 740 PRIMARY INTERFACE - REDUNDANT INTERFACE -	Type: line Id: Id:	Device type: Site name: 0 Slot: Slot:	mux novascotia 5+
FACILITY ENDPOINT 2 Device name: node202 Address: m2/202 Model number: 745 PRIMARY INTERFACE - REDUNDANT INTERFACE -	Type: line Id: Id:	Device type: Site name: 1 Slot: Slot:	swtch okla.city 10
Help	PrevMenu MainM	enu PrevForm	Cancel

Figure 2-41. Display Facility Profile Results Form, Page 1

This results form contains the following fields.

## Facility type

Categorizes the facility. Examples of facility types are apl, dds, and T1.

## **FACILITY ENDPOINT 1**

See the Create Facility Profile (crfp) command to obtain valid values for these fields.

#### **Device name**

Displays the name of the device on one end of the communications facility. If the endpoint is a brouter or an SNMP device, the IP address is displayed.

#### **Device type**

Specifies the type of device on one end of the communications facility.

#### Address

Identifies the address of the device.

## Model number

Identifies the model number of the device.

## Site name

Specifies the site name of the device.

## PRIMARY INTERFACE

Primary interface is the physical interface for the facility on endpoint 1. See the Create Facility Profile (*crfp*) command for valid values for these fields.

#### Туре

Displays either **port** or **line** to specify which side the connection is on. This information is used by the network map to determine on which side of the device icon the facility connection will be shown.

#### Id

Displays the ID (port) number of the primary communications interface for the device on endpoint 1.

#### Slot

Identifies the slot for the primary communications interface card.

#### **REDUNDANT INTERFACE**

The following fields indicate that the device has the capacity for redundant facility connection. See the Create Facility Profile (*crfp*) command to obtain valid values for these fields.

#### Id

Displays the ID (port) number of the redundant communications interface for the device on endpoint 1.

#### Slot

Identifies the slot for the redundant communications interface card.

#### **FACILITY ENDPOINT 2**

Refer to the FACILITY ENDPOINT 1 field definitions.

## Page 2

Facility name:	fac-t1	Network ID:		
Date installed:		Diagnostics:		
Bandwidth:		Bandwidth units:		
Monthly cost:	.00	Purchased/Leased:		
Vendor name:		Usage:		
USER CONTACT - Name: Phone: Address:				
Help	PrevMer	nu MainMenu PrevForm	Cancel	

Figure 2-42. Display Facility Profile Results Form, Page 2

This results form contains the following fields.

#### **Facility name**

Shows the facility name.

#### Network ID

Shows an identifier for "foreign networks." This field has a value when the facility profile is for a supported Series 700 node connected to any non-Series 700 device. It shows what network (for example, DACS) the node is connecting to. The **ID** is used in path searching algorithms, channel group traces, etc. to identify when a Series 700 node is connected to such foreign networks. This replaces the pre-release 3.0 use of **DACS ID** for such applications, and represents an extension to foreign networks other than DACS.

## Date installed

Displays the installation date of the facility using the format mm/dd/yy.

## Diagnostics

Indicates if the facility is carrying diagnostic data.

#### Bandwidth

Specifies the bandwidth for the facility.

## **Bandwidth units**

Displays the units for the bandwidth listed in the previous field.

#### Monthly cost

Specifies the monthly cost of the facility using the format **dddddd.cc** (dollars and cents).

#### Purchased/Leased

Specifies whether the facility was purchased or leased.

## Vendor name

Identifies the company name of the vendor supplying the device.

#### Usage

Indicates the application of the facility. Example values are **data**, **voice**, **voice** + **data**, and **video**.

## USER CONTACT

#### Name

Indicates the name of the person responsible for the facility when there is a service problem.

#### Phone

Indicates the phone number of the person responsible for the facility when there is a service problem.

## Address

Indicates the address of the person responsible for the facility when there is a service problem.

## Page 3

This results form contains the following field.

#### Comments

Displays any additional information concerning the device.

# **Display NMS Configuration (dsnmsc)**

Use the *dsnmsc* command to display the NMS configuration data.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsnmsc Alternate: dssid
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit NMS Configuration (ednmsc)

# **Display NMS Configuration Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

# **Display NMS Configuration Results Form**

There are two pages to this results form. A sample of Page 1 is shown in Figure 2-43. Page 2 displays any comments specified by the user.

Page 1

	Manager RESULTS - DISPLAY NMS CONFIGURATION	Page 1
NMS ID: Software version:	AT&T Paradyne NMS 3.0	
Printer banner:	on	
User name:		
Address:		
Contact name: Contact phone:		
Maintenance phone:		
Help	PrevMenu MainMenu PrevForm	Cancel

Figure 2-43. Display NMS Configuration Results Form, Page 1

This results form contains the following fields.

## NMS ID

Identifies a serial number or identifying name for the NMS.

## Software version

Specifies the version number of the NMS software currently installed on the system.

#### Printer banner

Indicates whether a single page identifying header is printed before each print job.

## User name

Identifies the name of the organization managing the NMS.

#### Address

Lists the location of the organization managing the NMS.

## **Contact name**

Lists name of the data communications manager.

## **Contact phone**

Specifies the phone number of the data communications manager.

## Maintenance phone

Lists the remote access dial-in maintenance phone numbers. These numbers are used by maintenance personnel to dial into the maintenance port of the NMS. Any DDD port can be used as a maintenance port.

# Page 2

This results form contains the following field.

## Comments

This field contains any pertinent comments for maintenance/service personnel.

# **Display Port Configurations (dspc)**

Use the *dspc* command to display the port configurations of the NMS remote-terminals, printers, and the external systems ports. This command also informs you if the ACCULINK multiplexer network, the Uniform Alarm Interface and the file export ports are configured.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dspc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Port Configurations (edpc)

# **Display Port Configurations Input Form**

This input form contains the following field.

# **Processor** (Required field)

Identifies the name of the processor associated with the physical ports. Processor names are set at installation. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Display Port Configurations Results Form**

The results form displays every port configured on the NMS for the processor you selected. A sample this results form for the User Interface Processor is shown in Figure 2-44.

		Mar RESULTS - DISPLAY	nager PORT CONF	IGURATIONS		Page 1
		Processor:	mario			
Board-Port 1pt 01-01 01-02 01-03 01-04 01-05 01-06 01-07 01-08 01-09 01-10 01-11 01-12 01-13	Type dedic. dedic. dedic. dedic. dedic. none none none none none none	Application none remote terminal external system mux command mux event none none none none none none none n	Group n/a n/a 1/a n/a n/a n/a n/a n/a n/a	Device type none n/a n/a none none none none none none none non	State none n/a availabla in use in use none none none none none none none	Speed n/a 4800 2400 9600 9600 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Help	none	PrevMenu	MainMen	1 PrevForm	C	ancel

Figure 2-44. Display Port Configurations Results Form

This results form contains the following fields.

#### Processor

The name of the processor associated with the physical port.

## **Board-Port**

The port number, which is populated automatically by the system at installation. Possible values are

- lpt Parallel port.
- **com-a** Communications Port A.
- **com-b** Communications Port B.
- gpsc 3270 SNA port.
- $\mathbf{xx-yy}$  *where:*  $\mathbf{xx}$  = Board number of IPC card.
  - yy = Slot number of port on IPC card.
- **an-yy** *where:* **yy** = Slot number of ANALYSIS interface circuit card.

## Туре

The type of port. Possible values are

- **ddd** Identifies the port as a DDD port.
- **dedic** Identifies the port as a hard-wired port (dedicated).
- **sna** Identifies a port dedicated to an SNA (Systems Network Architecture) access device.
- **none** Not assigned.
- **direct** Identifies the port as a dedicated port used for the file export feature.

## Application

Identifies the application to be used from the port. Possible values are

• system printer n	<ul> <li>where: n may be 1 or 2 (maximum number of system printers).</li> </ul>
• alert log printer	<ul> <li>The port is connected to the alert log printer.</li> </ul>
• atr/remote printer	<ul> <li>The port is used for outgoing ATRs and/or remote printer jobs.</li> </ul>
• remote terminal	<ul> <li>The port is used by a local or a remote basic-feature workstation.</li> </ul>
• mux event	<ul> <li>All MUX network events are directed to this port. This port is connected to a multiplexer node to transmit events from the multiplexer network to the NMS.</li> </ul>
• mux command	<ul> <li>NMS commands are transmitted from the NMS to the MUX network and network results are received by the NMS via this port. The port is connected to a multiplexer node to send commands and to receive command results to/from the multiplexer network.</li> </ul>
• external system	<ul> <li>The port is used to cut through via terminal emulation to an external system.</li> </ul>
• analysis getaway	- The port is used to connect to the ANALYSIS NMS.
• uai	<ul> <li>The port is used for transfer of alerts via the Uniform Alarm Interface.</li> </ul>
• file export	- The port used for the AMI file export feature.
• none	- Not assigned.

## Group

The group assigned to the port. See the Edit Port Configuration (*edpc*) command for more information.

## **Device type**

The type of device used by the application for the port; possible values are dependent on the application and/or port type specified in the **Application** field. Possible values are

•	For <b>system printer n</b> application	_	Displays a valid NMS/System printer model number if one was entered using the Edit Port Configurations ( <i>edpc</i> ) command.
•	For <b>alert log printer</b> application	_	Displays a valid NMS alert log printer model number if one was entered using the Edit Port Configurations ( <i>edpc</i> ) command.
•	For DDD ports that are not one of the above applications	_	Displays the model number of the modem used for the ddd connection.
•	For dedicated or direct	_	The field selection is $n/a$ (not applicable).
•	none	_	Displays when no application has been defined.

## State

For external systems, provides the current status of the port, either currently **available** or **in use**. For the system printer, alert log printer and dedicated ATR/remote printer, the values are **enabled** or **disabled**. If no application is assigned, value is **none**.

## Speed

Provides the configured speed of the data transmission, for **lpt** port, speed is **n/a** and cannot be changed.

# **Display Processing Filter (dspf)**

Use the *dspf* command to display the processing filter value for each alert group of a specified device type or to display device exceptions within a specified alert group. A processing filter specifies the time that an alert must be active before it is processed further by NMS.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dspf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Processing Filter (edpf)

# **Display Processing Filter Input Form**

This input form contains the following fields.

## **Device type** (*Required field*)

Specifies the device type whose processing filter parameters are to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide* for more information. A pop-up menu is available listing valid device types.

## **Option** (Required field)

Specifies which filter parameters should be displayed. Selecting the **alert group** value causes NMS to display filter parameters for all alert groups of that device type. Selecting the **device exceptions** value causes NMS to display any exceptions on a device by device basis for those filter parameters for an alert group. If **device exceptions** is chosen, the **Alert group** field appears. A pop-up menu is available listing valid selections.

## Alert group

Specifies the alert group for which device exceptions and corresponding processing filter parameters are to be displayed. This field is only applicable when **device exceptions** is chosen for the **Option** field. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Display Processing Filter Results Form**

The results form depends on whether you chose **alert group** (Figure 2-45) or **device exceptions** (Figure 2-46) in the **Option** field.

## Page 1, Alert Group

	RESULTS	Manager - DISPLAY PROC	ESSING F	ILTER	Page 1
		Device type:	mux		
Alert group mux-admin mux-al mux-calls	Filter type pass/block duration pass/block	Filter value 00:00:00 00:00:00 00:00:00	(pass) (pass) (pass)	Adjustable defaults yes yes	Exceptions allowed yes yes
mux-cgalarm mux-cgevnt mux-chmod mux-clock mux-comm	duration pass/block duration duration duration	00:00:00 00:00:00 00:00:00 00:00:00	(pass) (pass) (pass) (pass) (pass)	yes yes yes yes yes	yes yes yes yes yes
mux-config mux-ds1ch mux-hw mux-ll	pass/block duration duration pass/block	00:00:00 00:00:00 00:00:00 00:00:00 00:00:	(pass) (pass) (pass) (pass)	yes yes yes yes	yes yes yes yes
Help		PrevMenu Mair	Menu Pr	evForm	Cancel

Figure 2-45. Display Processing Filter Results Form, Alert Group

This results form contains the following fields.

## Alert group

Lists each alert group associated with the specified device type. This is a system-defined NMS grouping of alert types. Refer to the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide* for more information. Each alert group, along with its associated processing filter, displays for the specified device type.

## **Filter type**

Identifies the type of filter, **duration** or **pass/block** used for alerts in the alert group. The **duration** value means the filter is dependent on time (duration of the alert). The **pass/block** value means the alert is either automatically passed (**pass**) or it never passes (**block**) the filter. This information is displayed for each alert group.

#### **Filter value**

Specifies the filter value for each filter. This value can be either **pass** or **block** for pass/block filters, or **pass, block**, or a time for duration filters. The duration indicates the length of time an alert must be active before it can pass the filter.

## Adjustable defaults

Specifies whether the filter is parameters can be changed by the user.

## **Exceptions allowed**

Specifies whether device exceptions can be created.

## Page 1, Device Exceptions

	RESULT	Mana S - DISPLAY R	<sub>ger</sub> PROCESSING F	ILTER	Page 1
Alert group:	ddd-device	Filter type	: duration	n Filter value	: 00:00:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************* Start time	******************** : Tue Jun 16 09	**** END OF 8 0:06:57	ESULTS *** Completion	**************************************	Value 01:00:00 02:00:15 03:30:00 12:00:00
Help		PrevMenu	MainMenu Pr	revForm	Cancel

Figure 2-46. Display Processing Filter Results Form, Device Exceptions

This results form contains the following fields.

#### Alert group

Identifies the selected alert group.

## **Filter type**

Identifies the filter type associated with the select alert group.

## **Filter value**

Identifies the filter value associated with the filter used for alerts in the selected alert group.

## Device

Lists each device for which exceptional filter settings have been created.

## Value

Lists the filter value for each device exception.

# **Display Queue Results (dsqr)**

Use the *dsqr* command to display command results sent to the Manager results queue. When you send command results to a queue, those results are assigned an index number. Use the List Queue Results (*lsqr*) command to determine the index number that has been assigned to each command result stored in a queue.

The *dsqr* command accesses the results queue associated with that task. The Manager, Trouble Tracking, and Trouble/Inventory Reports tasks each have their own results queues. Refer to the appropriate sections of this manual for an explanation of this command as it pertains to Trouble Tracking and Trouble/Inventory Reports tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsqr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Queue Results (dlqr) List Queue Results (lsqr)

## **Display Queue Results Input Form**

This input form contains the following fields.

## **User ID** (*Required field*)

Your User ID is automatically displayed. Only the System Administrator can specify another user's ID.

#### Number of results in queue

Indicates the number of results currently in the queue for the specified User ID.

#### Index number(s)

Specifies the index number(s) of the queue results item(s) that you want to display. Enter one or more of the following:

- A single index number.
- Several index numbers.
- A range of index numbers; for example, 1–15 or 7–last.
- The keyword **all** to display all queue results.
- The keyword **last** to display the most recent result in the queue.

Click on Go (or press F2) to execute the command.

# **Display Queue Results Results Form**

This results form displays all the chosen queue results in sequential order for each command. Samples of this results form are shown in Figure 2-47.

RESULTS - DISPLAY QUEUE RESULTS Page	1
* * * * * * * * * * * * * * * * * *	
* User IU: admin * * *	
* Index number: 1 * * *	
* * * * * * * * * * * * * * * * * *	
Help PrevMenu MainMenu PrevForm Cancel	

	RESUL	Ma TS — DISPLAY	nager ALERT DRIV	EN ROUTINE FILT	ER Page 2
Alert group:	ddd-device	Filter ty	pe: durati	on Filter v	alue: 00:10:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************************************	**************************************	**** END OF 3:53:01	RESULTS * Completic	**************************************	Value 01:00:00 00:30:15 02:00:30 12:00:00
Help		PrevMenu	MainMenu	PrevForm	Cancel

Figure 2-47. Samples of a Display Queue Results Form

# **Display Routine (dsr)**

Use the *dsr* command to display system or personal routines. NMS displays a routine in its entirety, including the input forms for all the commands contained in the routine. A Help Desk, Data Technician, Manager, or Administrator level user can display his/her own personal routines or system routines. The System Administrator can display his/her own personal routines, system routines, or any other user's routines.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Copy Routine (cpr) Create Routine (crr) Delete Routine (dlr) Edit Routine (edr) List Routines (lsr) Display ADR Criteria (dsadrc)

## NOTE

To run a routine, you use the Execute Routine operation. This operation is described in Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide*.

## **Display Routine Input Form**

This input form contains the following fields.

**User ID** (*Can be changed by System Administrator only*)

NMS displays your User ID. Only the System Administrator can change this entry to any User ID on the system. *For the System Administrator only*, a pop-up menu is available listing valid User IDs.

#### Routine name (Required field)

Enter a personal routine or a system routine name. System routine names must be prefixed with **sys-**. A pop-up menu is available listing existing personal and system routines.

Click on Go (or press F2) to execute the command.
## **Display Routine Results Form**

This results form shows the command(s) included in the routine, indicates if an ADR criteria record references the routine, and displays any comments specified for the routine. Subsequent results forms display the input forms for the individual command(s) in the routine. These forms include the command's current field values. Refer to the Edit Routine (*edr*) command for information on changing these values. A sample of this results form is shown in Figure 2-48.

	System Management RESULTS - DISPLAY ROUTINE	Page 1
User ID:	admin	
Routine name:	sys-diag-01 ADR criteria: yes	
Commands:	dsaas	
Comments:		
Help	PrevMenu MainMenu PrevForm	Cancel

Figure 2-48. A Sample of the Display Routine Results Form

# **Display Scheduled Items (dssi)**

Use the *dssi* command to display commands or routines scheduled for execution. The *dssi* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's scheduled items. The following command description applies to the Manager task. You display scheduled items either by specifying the name of a command or routine, or by specifying the system-assigned index number. A Help Desk, Data Technician, or Manager level user can display his/her own scheduled items. The System Administrator can display his/her own scheduled items as well as other users scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for delayed, weekly or monthly execution. If you display items by index number, NMS displays only the item that corresponds to the index number. If you display items by name, NMS displays all scheduled occurrences of that name under your User ID (or the User ID of the specified user, if you are the System Administrator). Use the List Scheduled Items (lssi) command to display a list of your scheduled commands or routines and their assigned index numbers.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dssi
Restrictions:	You can enter one or more index numbers, <i>or</i> one or more command or routine names, <i>but not both</i> . If you attempt to enter items in both fields, you receive an error message. To continue, you must clear one of the fields.
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) List Scheduled Items (lssi)

# **Display Scheduled Items Input Form**

This input form contains the following fields.

## User ID

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID. *For the System Administrator*, a pop-up menu is available listing the other User IDs on the system.

**Index number**(s) (*Required field – if command/routine name field is blank*)

Specify the index number(s) of the scheduled item(s) you want displayed. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, 1–15.
- A combination of ranges and individual item numbers, for example 1-5, 7, 9-20.
- The keyword **all** (to specify all index numbers).

**Command or routine names** (*Required field – if Index number field is not specified*)

Specify the name(s) of the scheduled item(s) you want displayed. NMS accepts multiple entries separated by commas or spaces. The system displays all scheduled occurrences of the specified commands or routines for a specific user.

Press Go (to press F2) to execute the command.

### **Display Scheduled Items Results Form**

This results form displays the items scheduled for execution. A sample of this results form is shown in Figure 2-49.

RESULTS	DISPLAY SCHEDULED ITEMS Page 1
User	D: admin
Index Numb Command or routine na	r: 1 e: det
SCHEDULE FOR ABOVE INDEX NUMBE	
Schedule execution: de	ayed
Dates: 12	19
Times: 20	00
Help	vMenu MainMenu PrevForm Cancel

Figure 2-49. Display Scheduled Items Results Form

# **Display Site Profile (dssp)**

Use the *dssp* command to display profile(s) for the specified site(s).

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Administrator
Abbreviation:	dssp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Site Profile (crsp) Delete Site Profile (dlsp) Edit Site Profile (edsp)

## **Display Site Profile Input Form**

This input form contains the following field.

Site name (Required field)

Specifies the name of the site. Multiple entries and the wildcard character (\*) are allowed.

Click on Go (or press F2) to execute the command.

# **Display Site Profile Results Form**

There are multiple pages to this results form. This results form displays the site profile matching your specified site name.

Page 1

This results form contains the following fields.

Site contact

Name

Identifies who to contact at the site.

#### Phone number

Lists the phone number of the site contact.

#### Address

Lists the address of the site contact.

### Security contact

#### Name

Identifies the security manager to contact at the site.

#### Phone number

Identifies the phone number of the site security contact.

#### Address

Identifies the address of the site security contact.

#### Page 2

This results form contains the following fields.

## LEC contact

#### Name

Identifies the Local Exchange Carrier (LEC) contact for the site.

#### Phone number

Identifies the phone number of the LEC contact for the site.

#### Address

Identifies the address of the LEC contact for the site.

#### Other contact

#### Name

Identifies an additional contact for the site.

### Function

Identifies the job function of that contact.

## Phone number

Identifies the phone number of the additional contact for the site.

#### Address

Displays the address of the additional contact for the site.

This results form contains the following fields.

#### City code

Lists the telephone number code used to place the site on the Geographic Map.

### **Country code**

Lists the 3-digit code used to place the site on the Geographic Map.

## Longitude

Identifies the longitude for the site location (Degrees, Minutes, Direction).

## Latitude

Identifies the latitude for the site location (Degrees, Minutes, Direction).

#### Comments

Displays any additional information entered about any of the contacts or about the site itself.

# **Display Storage Filter (dssf)**

Use the *dssf* command to display the storage filter value for each alert group of the specified device type. The storage filter specifies whether an alert is to be stored in the historical alert database after the alert clears.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:Help Desk, Data Technician, Manager, AdministratorAbbreviation:dssfRestrictions:NoneRoutine:YesSchedule:YesRelated Commands:Edit Storage Filter (edsf)

## **Display Storage Filter Input Form**

This input form contains the following fields.

#### **Device type** (*Required field*)

Specifies the device type whose storage filter parameters are to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide* for more information. A pop-up menu is available listing valid device types.

#### **Option** (Required field)

Specifies which filter parameters should be displayed. Selecting **alert group** causes NMS to display filter parameters for all alert groups of that device type. Selecting **device exceptions** causes NMS to display any exceptions on a device by device basis for those filter parameters for an alert group. If **device exceptions** is chosen, the **Alert group** field appears. A pop-up menu is available listing valid alert groups.

#### Alert group

Specifies the alert group for which device exceptions and corresponding storage filter parameters are to be displayed. This field is only applicable when **device exceptions** is chosen for the **Option** field. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

#### **Display Storage Filter Results Form**

The results form depends on whether you selected **alert group** (Figure 2-50) or **device exceptions** (Figure 2-51) in the **Option** field.

	RESULTS ·	System Manage - DISPLAY STO	ment RAGE FILT	ER	Page 1
		Device type	: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal	Filter type pass/block pass/block pass/block pass/block pass/block pass/block pass/block	Filter valu 00:00:00 00:00:00 00:00:00 00:00:00 00:00:	e (pass) (pass) (pass) (pass) (pass) (pass)	Adjustable defaults yes yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
**************************************	**************************************	* END OF RES B:01 Co PrevMenu Mai	ULTS *** mpletion .nMenu Pr	********************* time: Thu Dec evForm	************** 19 15:58:02 Cancel

Figure 2-50. Display Storage Filter Results Form, Alert Group

## Page 1, Alert Group

This results form contains the following fields.

#### Alert group

Lists each alert group associated with the specified device type. Each alert group, along with its associated automated action filter, displays one at a time for the specified device type.

### **Filter type**

Identifies the type of filter, (**pass/block**) used for alerts in the alert group. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter. The filter type is provided for each alert group.

#### **Filter value**

Specifies the filter value for each filter. This value can be either **pass** or **block**.

#### Adjustable defaults

Specifies whether the filter parameters can be changed by the user.

## **Exceptions allowed**

Specifies whether device exceptions can be created.

## Page 1, Device Exceptions

	RESULI	Manage S – DISPLAY S	ar FORAGE FILTER		Page 1
Alert group:	ddd-device	Filter type:	: pass/block	Filter value:	00:00:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************* Start time	*************** : Tue Jun 16 09	**** END OF RE 3;11;51 (	ESULTS ***** Completion tin	V. ne: Tue Jun 16 O	alue 00:00:00 24:00:00 24:00:00 24:00:00 24:00:00 3:11:51
Help		PrevMenu M	ainMenu Previ	Form	Cancel

Figure 2-51. Display Storage Filter Results Form, Device Exceptions

This results form contains the following fields.

#### Alert group

Identifies the selected alert group.

## Filter type

Identifies the filter type associated with the selected alert group.

#### **Filter value**

Identifies the filter value associated with the filter used for alerts in the selected alert group.

#### Device

Lists each device for which exceptional filter settings have been created.

## Value

Lists the filter value for each device exception.

# **Display System Poll List (dsspl)**

Use the *dsspl* command to display the names and addresses of the devices on the system poll list for specified control channels.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsspl Alternate: dsccpl
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Acquire Modem Control Channel Poll List (acmccpl)

# **Display System Poll List Input Form**

This input form contains the following fields.

## Control channel(s) (Required field)

Identifies the control channels whose poll lists are to be displayed. Control channel values are in the range **1–8**, **a1** (ANALYSIS) or **m2** (multiplexer). Multiple entries and the keyword **all** are allowed.

## Poll status (Required field)

Polling status is determined from the **System polling** field in the device profiles. Enter the polling status of the devices to be displayed:

#### active

For a list of devices that are polled directly by the NMS for health and status.

## skipped

For a list of devices that are not polled for directly by the NMS for health and status.

### both

For a list of both active and skipped devices.

A pop-up menu is available listing valid selections.

Click on **Go** (or press **F2**) to execute the command.

## **Display System Poll List Results Form**

This results form lists the names and addresses of the device on each control channel's poll list, based on the polling status you selected. A sample of this results form is shown in Figure 2-52.

	RESULTS	System Management 5 - DISPLAY SYSTEM POL	L LIST	Page 1
Control d Device casselbury m2/21 gle-6 m2/6 node-10	channel: m	2 System poll active active skipped	Device type:	mux # Port 128 128 128
m2/10 node-16 m2/16 node-17 m2/17 node-18		active active active		128 128 128
m2/18 node-2 m2/2		active		128
Help		PrevMenu MainMenu	PrevForm	Cancel

#### Figure 2-52. Display System Poll List Results Form

This results form contains the following fields.

### **Control channel**

Identifies the control channel whose poll list is being displayed.

#### **Device type**

Specifies the device type. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for a list of device types.

#### Device

Displays the device name and device address.

#### System poll

Displays the polling status of the devices:

## active

Devices are polled for health and status.

## skipped

Devices are not polled for health and status.

## # Port

Lists the number of ports on the device as obtained from the device profile.

# **Display Uniform Alarm Filter (dsuaf)**

Use the *dsuaf* command to display the uniform alarm filter value for each alert group for the specified device type or to display device exceptions within a specified alert group. The Uniform Alarm Filter specifies the time an alert must be active after passing the processing filter before it is sent via the Uniform Alarm Interface (UAI).

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsuaf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit Uniform Alarm Filter (eduaf)

## **Display Uniform Alarm Filter Input Form**

This input form contains the following fields.

#### **Device type** (*Required field*)

Specifies the device type whose uniform alarm filter parameters are to be displayed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide* for more information. A pop-up menu is available listing valid device types.

#### **Option** (*Required field*)

Specifies which filter parameters should be displayed. Selecting **alert group** causes NMS to display filter parameters for all alert groups of that device type. Selecting **device exceptions** causes NMS to display any exceptions on a device by device basis for those filter parameters for an alert group. If **device exceptions** is chosen, the **Alert group** field appears. A pop-up menu is available listing valid alert groups.

#### Alert group

Specifies the alert group for which the device exceptions and corresponding uniform alarm filter parameters are to be displayed. This field is only applicable when **device exceptions** is chosen for the **Option** field. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

## **Display Uniform Alarm Filter Results Form**

The results form depends on whether you selected **alert group** (Figure 2-53) or **device exceptions** (Figure 2-54) in the **Option** field.

## Page 1, Alert Group

	RESULTS -	System Manager - DISPLAY UNIF	ient IORM ALARM	1 FILTER	Page 1
		Device type:	ddd		
Alert group ddd-backup ddd-call ddd-device ddd-facility ddd-message ddd-service ddd-terminal	Filter type duration duration duration duration duration duration	Filter value 24:00:00 24:00:00 24:00:00 24:00:00 24:00:00 24:00:00 24:00:00	(block) (block) (block) (block) (block) (block) (block) (block)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
********************** Start time: Help	Fri Dec 20 12:09	* END OF RESL 3:53 Com PrevMenu Mai	JLTS **** ppletion t nMenu Pre	:ime: Fri Dec	20 12:09:53 Cancel

### Figure 2-53. Display Uniform Alarm Filter Results Form, Alert Group

This results form contains the following fields.

#### Alert group

Lists each alert group associated with the specified device type. Each alert group, along with its associated uniform alarm filter, displays for the specified device type.

#### **Filter type**

Identifies the type of filter, **duration** or **pass/block** used for alerts in the alert group. The **duration** value means the filter is dependent on time. The pass/block value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter. The filter type is provided for each alert group.

### **Filter value**

Specifies the filter value for each filter. This value can be either **pass** or **block** for pass/block filters. This value can be **pass**, **block**, or a time for duration filters. The duration indicates the length of time an alert must be active before it can pass the filter.

#### Adjustable defaults

Specifies whether the filter parameters can be changed by the user.

#### **Exceptions allowed**

Specifies whether device exceptions can be created.

#### Page 1, Device Exceptions

	RESULT	Manaş S – DISPLAY U	er NIFORM ALARM	FILTER	Page 1
Alert group:	ddd-device	Filter type	: duration	Filter value:	24:00:00
Device 1 cc4m2 2 cc4m3 3 cc4m4 4 cc4m5 ************* Start time	*************** : Tue Jun 16 09	*** END OF F :15:48	ESULTS **** Completion ti	V: ( ( ( ( ( ( ) ( ) ( ) ( ) ( ) ( ) ( )	alue 01:00:00 02:00:15 03:30:00 12:00:00 ******** 9:15:48
Help		PrevMenu	MainMenu Prev	/Form	Cancel

#### Figure 2-54. Display Uniform Alarm Filter Results Form, Device Exceptions

This results form contains the following fields.

#### Alert group

Identifies the selected alert group.

## Filter type

Identifies the filter type associated with the selected alert group.

#### Filter value

Identifies the filter value associated with the filter used for alerts in the selected alert group.

#### Device

Lists each device for which exceptional filter settings have been created.

#### Value

Lists the filter value for each device exception.

# **Display Uniform Alarm Interface (dsuai)**

Use the *dsuai* command to display the operational parameters defined for the Uniform Alarm Interface (UAI).

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsuai
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit Uniform Alarm Interface (eduai)

# Display Uniform Alarm Interface Input Form

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

# **Display Uniform Alarm Interface Results Form**

There are two results form pages as shown in Figures 2-55 and 2-56.

## Page 1

System RESULTS - DISPLAY U	Management NIFORM ALARM INTERFACE	Page 1
Login name:	Xport	
Password:	xport1	
Send alert clear messages:	no	
Send active alerts on restart:	yes	
Timeout interval alive message(sec):	90	
Alert reporting option:	basic	
Help PrevMent	ı MainMenu PrevForm Ca	ncel



This results form contains the following fields.

#### Login name

Specifies the Login name that the receiving NMS is required to use when logging in to the 6800 Series NMS to receive alert information.

#### Password

Displays the password that the receiving NMS is required to use when logging in to the 6800 Series NMS.

#### Send alert clear messages

Specifies whether you want to transfer alert clear information to the receiving NMS. The UAI feature sends each specified active alert as it occurs. If **yes** is displayed in this field, the 6800 Series NMS will send alert clear information to the receiving NMS. If **no** is displayed in this field, the receiving NMS gets alert occurrence information only.

#### Send active alerts on restart

If **yes** is displayed in this field, the NMS sends alert information for alerts that are active at the time the UAI link is established. If **no** is displayed in this field, the NMS only sends alert information for (new) alerts that occur after the UAI link has been established.

#### Timeout interval alive message (sec)

Indicates the maximum number of seconds that the receiving NMS should wait for an "I'm alive" message from the 6800 Series NMS before logging off the UAI link. If the receiving network management system does not receive an alarm or "I'm alive" message from the 6800 Series NMS within the specified interval, the receiving network management system assumes a problem exists, drops the connection, and attempts to log in to the 6800 Series NMS again.

#### Alert reporting option

Indicates whether or not the NMS alert types are to be mapped into a smaller number of alert types for transport to the receiving NMS. The **enhanced** value means that the NMS sends all of its defined alert types. The **basic** value means that the NMS maps its alert types into 25 types. Refer to Appendix G, *Uniform Alarm Interface*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for an alert mapping table.

#### NOTE

The **5** : ' . **51** value should be used if the receiving NMS is either Release 2 or later of the ACCUMASTER <sup>™</sup> Integrator (AMI), or Release 3 or later of the StarKeeper<sup>®</sup> NMS. The , ' **A** value should be used for backward compatibility with older versions of the AMI and StarKeeper.



## Figure 2-56. Display Uniform Alarm Interface Results Form, Page 2

This results form contains the following fields.

#### Alarm text message

Displays text, device, network, NMS, time-stamp, and alert information that is to be sent to the receiving NMS. This message can include variable parameters (denoted by numbers and enclosed in braces when part of a message) that are read in from the network alert message or provided by the 6800 Series NMS. The 6800 Series NMS expands the alarm text message with the variables (numbers) replaced with the device, network, time-stamps or alert information before it sends the message on to the receiving NMS. See Table 2-1 for the values of the variables used in alarm text messages.

#### **Clear text message**

Displays the text, device, network, NMS, time-stamps and alert clear information that is to be sent to the receiving NMS. This message can include variable parameters (denoted by numbers and enclosed in braces when part of a message) that are read in from the network alert message or provided by the 6800 Series NMS. The 6800 Series NMS expands the clear text message with the variables (numbers) replaced with the device, network, time-stamps or alert information before is sends the message on to the receiving NMS. See Table 2-1 for the values of the variables used in clear text messages.

Number	Parameter	Value
0	NMS Type	PARADYNE (if alert reporting option = basic) COM6800 (if alert reporting option = enhanced)
1	NMS Id	Serial number of the NMS software
2	Alert Type	Alert type (e.g., NR, FA) reported
3	Device Type	Device type (e.g., apl, ddd) of the reporting device
4	(Reserved)	reserved
5	(Reserved)	reserved
6	Priority	MAJOR – priority 1 alert MINOR – priority 2 alert WARNING – priority 3 alert
7	Device Address	Device address of the reporting device
8	Device Name	Device name of the reporting device
9	Network Name	net-xxxx, where xxxx is the assigned network name
10	Circuit Name Facility Name	<b>cir-xxxx</b> , where <b>xxxx</b> is the assigned circuit name; sent if the alert reporting option is <b>basic</b> <b>fac-xxxx</b> , where <b>xxxx</b> is the assigned facility name; sent if the alert reporting option is <b>enhanced</b> . If facility name cannot be determined unambiguously, Device Name {8} will be sent.
11	Start Time	Date and time ( <b>mm/dd/yyyy-hh:mm:ss</b> ) that the alert was reported to the 6800 Series NMS
12	Clear Time	Date and time (mm/dd/yyyy-hh:mm:ss) that the alert was cleared
13	Alert Text	The 6800 Series NMS text description of the alert type

 Table 2-1

 Variable Number Mapping for UAI Alarm and Clear Text Messages

# **Display User Group (dsug)**

Use the *dsug* command to display up to four user groups. For more information, refer to the Edit User Group (*edug*) command in this section.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	dsug
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit User Group (edug)

## Display User Group Input Form, Page 1

A sample of this input form is shown in Figure 2-57.

Manager	
DISPLAY USER GROUP	Page 1
User group 1:	
User group 2:	
User group 3:	
User group 4.	
Deskinghing Concerning Inc.	
Destination for results: <u>Crt</u>	
Schedule execution: now	
Help Go ClrFld PrevFld MainMenu FillForm Defau	lts Cancel

Figure 2-57. Display User Group Input Form

This input form contains the following field.

**User groups** (*Required field*)

Enter from one and up to four user groups to be displayed. Groups to be displayed may be selected by either their group number or assigned name. A pop-up menu is available listing the valid group names and group numbers.

## **Display User Group Results Form, Page 1**

This results form (Figure 2-58) displays the current user group assignments for the (up to) four user groups selected by the user on the first page for all commands in the system. All commands are listed by their abbreviation.

Multiple pages are provided, listing each command on the system, sorted by task and organized as the commands appear in the menu hierarchy.

	Managan	1	
	nanager	,	ر کر ک
	RESULTS - DISPLAY USER GROUP	Page	1
User groups:	administrator		
System Manage	ment		
Alert Manag	;ement		
Alert Dat	;a		
dlah	yes		
dsaas	ues		
Alert Dis	play Customization		
edaa	ues		
edc	ues		
edco	100 200		
edrol			
eduso			
Automatea	ges L'Action Filters		
Huconacec doodof			
usaurt Jaar C	ges		
dsaaf	yes		
edadrf	yes		
		`1	_
. Heip	Frevmenu MainMenu PrevForm	ancel	┛╏

Figure 2-58. Display User Group Results Form

# **Display User Profile (dsup)**

Use the *dsup* command to display user profiles.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsup
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create User Profile (crup) Delete User Profile (dlup) Edit User Profile (edup)

# **Display User Profile Input Form**

This input form contains the following field.

## User ID (Required field)

Identifies the user profile to be displayed. For users other than the System Administrator, this field displays the user's ID and cannot be changed. The System Administrator can enter one or more User IDs. Wildcard characters "\*" and "?" are allowed.

Click on Go (or press F2) to execute the command.

# **Display User Profile Results Form**

There are multiple pages to this results form. Samples of Pages 1 and 2 are shown in Figures 2-59 and 2-60.

Γ.		Manao	or			
	, RESULTS	- DISPLAY	USER PRI	DFILE	Page	1
	User ID:	admin				
	Default printer:					
	Remote phone number or port:					
	Network summary: UNIX: Informix:	access access access				
	External system access:	all				
 	Help	PrevMenu	MainMenu	. PrevForm	Cancel	

Figure 2-59. Display User Profile Results Form, Page 1

This results form contains the following fields.

#### User ID

Carried-over field from the input form. Identifies the user profile to be displayed.

#### **Default printer**

Identifies the system printer to be employed for this user's print jobs. If the system is not configured with printers, this field is not displayed.

#### Remote phone number or port

Indicates the remote printer to be used when **remote** is chosen as a destination for command results. The keyword **port** indicates that the dedicated ATR/remote printer port is to be used; a telephone number indicates the telephone number of the remote printer to be dialed.

#### **Network summary**

Indicates whether the user has access to the Network Summary task on the NMS.

#### UNIX

Indicates whether the user has access to the UNIX utility available from the Utilities task menu.

#### Informix

Indicates whether the user has access to the INFORMIX utility available from the Utilities task menu.

#### External system access

Specifies the external system(s) that the user is allowed to access. See the Display External System Configuration (*dsesc*) command for more information.

## Page 2 and Page 3

Page	2
access	
Cancel	
	Cancel

Figure 2-60. Display User Profile Results Form, Page 2

This results form contains the following fields.

#### **Device groups**

Device groups **0** through **15** are displayed on Page 2. Device groups **16** through **30** are shown on the next page, etc.

#### User groups

Displays the user group levels assigned to each of the 50 device groups.

#### Map/alert access

Enter **access** or **no access** depending on whether the new user will have alert and map access to the device group. The default is **no access**.

This results form contains the following field.

#### Comments

Displays additional information about the user. This field only displays for the System Administrator.

# **Display Vendor Profile (dsvp)**

Use the *dsvp* command to display profiles for specified vendor(s).

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsvp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Vendor Profile (crvp) Delete Vendor Profile (dlvp) Device Inventory Report (dir) – accessed from Trouble/Inventory Reports task Edit Vendor Profile (edvp)

# **Display Vendor Profile Input Form**

This input form contains the following field.

## Vendor name (Required field)

Specifies the vendor. Multiple entries and the wildcard character (\*) are allowed.

Click on Go (or press F2) to execute the command.

# **Display Vendor Profile Results Form**

There are two (or more) pages to this results form, depending on the number contacts listed in the **Contacts** field of the vendor profile. A sample of Page 1 is shown in Figure 2-61.

	System Management RESULTS - DISPLAY VENDOR PROFILE	Page 1
Vendor name: Contact Name: Function: Phone number: Address:	abc/corporation (s) John Smith Eng. Mgr. (800)555-2222 321 Midtown Anyplace, USA	
Name: Function: Phone number: Address:	Mary Doe System Mgr. (800)555-2345 20885 Santa Fe Road Anywhere, USA	
Help	PrevMenu MainMenu PrevForm	Cancel

Figure 2-61. Display Vendor Profile Results Form, Page 1

This results form contains the following fields.

#### Contact(s)

#### Name

Identifies who to contact in case of a problem.

#### Function

Specifies the vendor contact's job function.

## Phone number

Lists the phone number of the vendor contact.

### Address

Lists the vendor contact's address.

This results form contains the following field.

#### Comments

Displays any additional information entered about this vendor.

# **Display Workstation Configurations (dswc)**

Use the *dswc* command to display the workstation configuration data stored in NMS. When this command is entered, NMS displays the table of workstation configuration records.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dswc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit Workstation Configurations (edwc)

## **Display Workstation Configurations Input Form**

This input form contains the **Destination for results** and **Schedule execution** fields. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Click on Go (or press F2) to execute the command.

## **Display Workstation Configurations Results Form**

A sample of this results form is shown in Figure 2-62.

RESULTS - DISPL	System Management .AY WORKSTATION CONFIG	URATIONS Page 1
Workstation name Mario Edgar Bart Rita	Type 80-98709-998 80-87698-099 87-65433-980 09-98765-098	Status active equipped suspended active
**************************************	END OF RESULTS ***** 22 Completion times	**************************************
Help Pr	revMenu MainMenu Prev	Form Cancel

Figure 2-62. Display Workstation Configurations Results Form

This results form contains the following fields.

## Workstation name

Specifies a unique, user-defined name for the workstation.

### Туре

Identifies the model number of the workstation.

#### Status

Indicates the status of the workstation. Possible values are

- **equipped** Physically configured, but not being used in the system.
- **active** Equipped and active.
- **suspended** Equipped, but temporarily suspended from usage.

# Edit Alert Attribute (edaa)

Use the *edaa* command to enable/disable audible and visual alert indicators on the Network Map and Network Monitor and to change alert group priority levels and time-out periods for automatic alert acknowledgment and event clearing functions.

Priority levels determine the color in which alert indications are displayed on the network map, network monitor, and network summary. The visual and audible alert indicators are used to provide a visual or audible notification of arrival of alerts on your workstation. The alert acknowledgment time-out period determines when alerts are automatically acknowledged; the event clear time-out determines when events are automatically cleared.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edaa
Restrictions:	Alert attribute changes are not reflected on currently active alerts. Your changes apply only to new alerts arriving after this command is executed.
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Color Code (edcc)

## Edit Alert Attribute Input Form

There are two pages for this input form. Page 1 enables you to specify the type of device whose alert attributes you want to edit and Page 2 provides the fields you can edit for the specified device type. A sample of Page 2 is shown in Figure 2-63.

## Page 1

This input form contains the following field.

**Device type** (*Required field*)

Specifies the device type for which you want to change alert attributes. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System* Administrator's *Guide* for more information. A pop-up menu is available listing valid selections.



Figure 2-63. Edit Alert Attribute Input Form

This input form contains the following fields.

#### Group name (Required field)

Lists the alert groups associated with the selected device type.

#### **Priority** (*Required field*)

Specifies the priority value assigned to alerts in each alert group. Possible values are 1 (major), 2 (minor), and 3 (warning). A pop-up menu is available listing valid selections.

#### Audible (Required field)

Specifies the state of the audible indicator associated with each alert group. Possible values are **enable** and **disable**. The **enable** value means that any alert in that group causes the NMS workstations to beep intermittently until the alert clears or is acknowledged. A pop-up menu is available listing valid selections.

#### Visual (Required field)

Specifies the state of the visual indicator associated with each alert group. Possible values are **enable** and **disable**. The **enable** value means that an alert in that group displays a visual indicator on the NMS workstations until the alert clears or is acknowledged. A pop-up menu is available listing valid selections.

#### Acknowledgment timeout (hr:mm) (Required field)

Specifies the time-out value for automatic acknowledgment of alerts. Time-out is in the format **hr:mm** where **hr** (hours) can have the values **0** through **200** and **mm** (minutes) can have the values **0** through **59**. The keyword **inf** (infinite) can be used to specify that the alert must be acknowledged manually. The default value depends on the alert group.

#### Event clear timeout (hr:mm) (Required field)

Specifies the time-out value for automatic clearing of events. Time-out is in the format **hr:mm** where **hr** (hours) can have the values **0** through **200** and **mm** (minutes) can have the values **0** through **59**. The default value depends on the alert group. Although a time-out value is specified for all alert groups, it does not apply to, nor is it used for alert groups consisting only of alarms or status change conditions. The time-out value only applies to alert groups that contain events.

Click on Go (or press F2) to execute the command.

## **Edit Alert Attribute Results Form**

This results form displays a message, indicating success or failure of the update.

# **Edit Alert Monitoring State (edams)**

Use the *edams* command to set the alert monitoring function for each control channel. For communications products support devices, this command can be used to set the time-out interval for polling. This command enables you to control polling on a per device basis.

The polling process detects active alerts throughout the network. When the alert monitoring state is **on** for a particular control channel, the NMS polls every active device on that control channel's poll list for health and status.

You can use the time-out feature specify the time, in seconds, that the NMS waits for a response from a polled device before continuing with its polling cycle. The time-out feature extends the diagnostic capability of NMS through satellite links and allows for delays inherent in large networks.

For multiplexers, the alert monitoring state allows control of polled and asynchronous alert reporting.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edams Alternate: chfms
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Alert Monitoring State (dsams)

# Edit Alert Monitoring State Input Form

A sample of this input form is shown in Figure 2-64.

	<sup>Manager</sup> EDIT ALERT MONITORING ST	ATE Page 1
Control Channel m2 1 2 3 4 5 6 7 8 e1	Alert Monitoring State Solling & asynch reporting on on on on on on on on asynch reporting	Timeout Interval(Sec) n/a 0.5 0.5 0.5 0.5 0.5 0.5 1 0.5 1
Destination for resu	ults: crt	8
Schedule execut	ion: <mark>now</mark>	
Help Go	ClrFld PrevFld MainMenu F	illForm Defaults Cancel



Sample input forms for Altos 5000 systems with the 16 Control Channel Option and for Altos 15000 systems are shown in Figures 2-65 and 2-66.

1	7	Mar	nager	
		EDIT ALERT MON	ITORING STATE	Page 1
	Control Channel m2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Alert Monitoring S Colling & asynch on on on on on on on on on on off on on on on off on on	State         Timeou           reporting         n/a           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5           0.5         0.5	t Interval(Sec)
	Help Go	ClrFld PrevFld M	1ainMenu FillForm	Defaults Cancel

Figure 2-65. Edit Alert Monitoring State Results Form for Systems Configured with 16 Control Channels, Page 1



# Figure 2-66. Edit Alert Monitoring State Results Form for Systems Configured with 16 Control Channels, Page 2

These input forms contain the following fields.

#### **Control Channel** (*Required field*)

Specifies the control channel(s), 1–8 for Altos 5000 systems with 8 Control Channels and 1–16 for Altos 15000 systems and Altos 5000 systems with 16 Control Channels. The **m2** field represents the ACCULINK multiplexer network. The **e1** field represents Bytex devices. The **a1** through **a6** fields represent the six ANALYSIS NMS devices. The **b1** represents the Bytex device.

#### Alert Monitoring State (Required field)

Indicates whether or not alert monitoring is active for each control channel. Valid values for Communications Products devices are **on** and **off**. Valid values for multiplexers are

Specifies the control channel.

• polling	= NMS is polling multiplexers on its poll list; asynchronous alert reporting is turned off.
• asynch reporting	= NMS is receiving asynchronous event reports from the multiplexers on its poll list or NMS is receiving asynchronous alerts from the Bytex UMS regarding Bytex devices; polling is turned off.
• polling & asynch reporting	= NMS is both polling multiplexers for alarms and receiving asynchronous alert reports from them.
• off	= Both polling and asynchronous alert reporting functions are disabled.
## **Timeout Interval (Sec)**

Identifies the time-out value for no response on control channel polling. If the NMS does not receive a response from a device on its poll list within this interval, it posts an **NR** (diagnostic failure) alarm for that device. The timeout interval is not applicable to multiplexers.

Click on Go (or press F2) to execute the command.

## **Edit Alert Monitoring State Results Form**

This results form displays a message informing you of the success of your edit.

# Edit Alert Driven Routine Criteria (edadrc)

Use the *edadrc* command *to* specify execution and user notification-related information for alert driven routines (ADRs). Prior to specifying this information, you must create a routine (using the Create Routine (*crr*) command), verify that the routine executes properly, and copy it to the system directory.

NMS executes an ADR automatically based on the device, alert, and other execution parameters specified using this command.

Access Level:	Administrator
Abbreviation:	edadrc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display ADR Criteria (dsadrc) Edit ADR Filter (edadrf) Create Routine (crr) Copy Routine (cpr)

## Edit Alert Driven Routine Criteria Input Form

There are three pages for this input form. Page 1 enables you to specify the device type and alert group to which NMS applies the ADR execution. Page 2 shows the ADR criteria for the indicated device type/alert group. Page 3 allows you to specify or modify ADR criteria information. Samples of Pages 2 and 3 are shown in Figures 2-67 and 2-68.

## Page 1

The input form contains the following fields.

## **Device type** (*Required field*)

Enter the device type of the device(s) whose alerts/alert clears can trigger the ADR. Valid entries are any managed device type. A pop-up menu is available listing valid device types.

## Alert group (Required field)

Enter the alert group containing the alerts which can trigger the ADR. Valid entries are any alert group associated with the specified device type. A pop-up menu is available listing valid alert groups.

## Page 2

	Syste EDIT AD	m Management R CRITERIA	Page 2
	Device type: apl	Alert group:	apl-device
Criteria Number	Routine Name	Alerts	Alert Clears
1 Devices:	sys-diag-01 4∕5	all	all
Criteria	number: 🔲		
Help	Go ClrFld PrevFlo	d MainMenu Fil	lForm Defaults Cancel

## Figure 2-67. Edit Alert Driven Routine Criteria Input Form, Page 2

This input form lists a summary of the existing criteria records for the device type and alert group specified. To edit an existing record, specify the criteria number of one of the displayed records. To create a new record, specify an unused criteria number. This input form contains the following fields.

### **Device type**

Carried-over field from Page 1.

### Alert group

Carried-over field from Page 1.

#### **Criteria Number**

Specifies the system assigned number for selecting criteria record.

## **Routine Name**

Specifies the system routine referenced by the ADR criteria record.

#### Devices

Lists the device(s) referenced by the ADR criteria record.

## Alerts

Shows the alerts which may trigger the ADR.

#### Alert Clears

Shows the alerts whose clears may trigger the ADR.

**Criteria number** (*Required field*)

Enter a criteria number. Only one number can be entered within a range of **1–32**. To modify an existing ADR criteria record, enter the criteria number associated with that record. To create a new ADR record, enter an unused criteria number.

## NOTE

If no records were previously specified for this ADR, no record information is displayed.

Page 3

	System Management EDIT ADR CRITERIA Pa:	2 <b>8</b> ge 3
Device type: Routine: Commands:	apl Alert group: apl-device Criteria #: <mark>sys-diag-01 ADR state: enabled</mark> Import object info.: dsaas	1 yes
Device(s):	4/5	
Alert type(s): Day(s):	all Alert clear(s): all all Time(s): all	
	Destination for ADR results:	
Noti	fy users with network permission: <b>no</b> Other users to be notified: 	
Help	Go ClrFld PrevFld MainMenu FillForm Defaults Cano	el

Figure 2-68. Edit Alert Driven Routine Criteria Input Form, Page 3

The Page 3 input form displays input fields for the criteria record specified on Page 2.

The input form contains the following fields.

## **Device type**

Carried-over field from Page 1.

### Alert group

Carried-over field from Page 1.

#### Criteria #

Carried-over field from Page 2.

#### **Routine** (*Required field*)

Specify the system routine to be used as an ADR. A pop-up menu is available listing the valid system routines.

#### **ADR state** (*Required field*)

Specifies whether the ADR is executable (enabled) or non-executable (disabled). You may want to temporarily disable an ADR to make configuration changes in the network or modify the routine used for the ADR. Valid entries are **enabled** or **disabled**. A pop-up menu is available listing valid selections.

### **Import object info** (*Required field*)

Specify whether or not object identification information obtained from the triggering alert message is used as input to the ADR. Valid entries are **yes** or **no**. A pop-up selection lists the valid values. If you select **yes**, any applicable device-identification information received from the triggering alert message is used as input to the command in the ADR. If you select **no**, device information from the triggering alert message is not used as input. Instead, the values you specified during the creation of the routine are used to execute the commands in the routine.

#### Commands

This display-only field lists the commands contained in the routine.

#### NOTE

Because of space limitations, the complete list of commands may be truncated. When this is done, NMS appends the indicator "..." to the end of the command list.

#### **Device**(s) (*Required field*)

Specify the devices whose alert reports cause the specified routine to execute automatically. Valid entries are individual device addresses, device names, or serial numbers; circuit names; subnetwork names, multiple entries, wildcard characters, and the keywords **all** or **none**. If you enter **all**, the ADR applies to all devices of the specified device type.

## Alert type(s) (Required field)

Specify the alert type(s) which cause the specified routine to execute automatically. The ADR is triggered by the alert types specified in this field when they are received from the devices specified in the previous field. Valid entries are one or more alert types, or the keywords **all** or **none**. If you enter **all**, the ADR is triggered by all alert types associated with the specified alert group.

## Alert clear(s) (Required field)

Specify the alert clear(s) which cause the specified routine to execute automatically. The ADR is triggered by the alert clears specified in this field when they are received from the devices specified in the **Device**(s) field. Valid entries are one or more alert types, or the keywords **all** or **none**. If you enter **all**, the ADR is triggered by clears of all alert types associated with the specified alert group.

## Day(s) (Required field)

Indicate the days of the week when the ADR can execute. Valid entries are one or more days of the week (for example, **mon, tue, wed, thu, fri, sat, sun**); a range of days (for example, mon-wed); or the keyword **all**. The default is **all**.

## **Time(s)** (*Required field*)

Indicate the times of the day when the ADR can execute. Valid entries are ranges of time in the following formats:

• hh:mm-hh:mm	= Starting hour must be less than or equal to ending hour
• hh:mm-mm	= Starting minute must be less than or equal to ending minute
• all:mm-mm	= Starting minute must be less than or equal to ending minute
• all	

Times can be either military or am/pm format; hh-00-23 (00–12 for am/pm format); mm=00-59. The keyword **all** is valid to indicate an entire 24-hour period. The starting time must be less than or equal to the ending time. The default is **all**.

## **Destination for ADR results**

Specify where the results of the ADR command executions should be sent. Valid entries are one or more of the following destinations:

- **queue** = Sends ADR results to the Manager results queues of the specified users.
- **printer** = Sends ADR results to a specified system printer. Causes the display of a required field where you specify the system printer. NMS directs ADR results to that printer. A pop-up menu is available listing configured system printers.
- **remote** = Sends ADR results to a specified remote printer, or to the ATR/remote printer. Causes the display of a required field where you specify the remote printer. NMS directs ADR results to that printer. You can enter a remote printer phone number or the keyword **port** (to indicate the dedicated ATR/remote printer).

If no destination is specified, the ADR executes but the results are not sent to any user queues or printers.

#### **System printer** (*Required field*)

Specify the system printer (1–3). This field is displayed only if **printer** is specified in the previous field.

#### **Remote phone number or port** (Required field)

Specify the remote phone number or port. This field is displayed only if **remote** is specified in the previous field.

#### Notify users with network permission (Required field)

Indicate whether or not users with network permission to the ADR triggering device should receive notification of ADR execution and ADR command results, if appropriate. Valid entries are

- yes = All users with network permission to the object reporting the ADR triggering alert are sent mail notification. ADR results are sent if queue is selected as a destination for ADR results.
- **no** = Only those users specified in the Other users to be notified field receive mail notifications and ADR results.

A pop-up menu is available listing the valid selections.

## Other users to be notified

Specify the users who should receive mail notifications and ADR command results, if appropriate. Valid entries are one or more user IDs.

## NOTE

If you select an existing ADR criteria record, subsequent input form fields are populated with previously specified ADR information. If you select an ADR criteria number which is not specified, the subsequent input form fields are blank except for defaults as noted.

## Edit Alert Driven Routine Criteria Results Form

This results form displays the selected device type, alert group, and ADR criteria number. A message also displays to indicate the success or failure of the *edadrc* transaction.

## Edit Alert Driven Routine Filter (edadrf)

Use the *edadrf* command to edit the alert driven routine (ADR) filter parameters for a specified device type. You can also create or modify device exceptions within a specified alert group. The ADR filter determines the time that an alert must be active after passing the processing filter before an alert driven routine can be triggered.

Access Level:	Administrator
Abbreviation:	edadrf
Restrictions:	ADR filtering does not apply to alert clears. An ADR triggered by an alert clear is executed immediately, regardless of the ADR filter values specified for the alert.
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Alert Driven Routine Filter (dsadrf)

## **Edit Alert Driven Routine Filter Input Form**

There are two pages for this input form. The fields displayed on Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-69 and 2-70.

Page 1

This input form contains the following fields.

## **Device type** (*Required field*)

Enter the device type whose associated filter values or exceptions are to be modified. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

## **Option** (*Required field*)

Specifies either the alert group or device exceptions to the alert driven routine filter. The **alert group** value causes the subsequent input form to display ADR filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the ADR device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

#### Alert group

Specifies the alert group for which the device exceptions and their ADR filter parameters are to be edited. This field is displayed only when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

		System Manage EDIT ALERT DRIV -	ement EN ROUTINE	FILTER	Page 2
		Device type	: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal	Filter type duration duration duration duration duration duration	Filter valu 24:00:00 00:00:00 00:10:00 00:10:00 24:00:00 24:00:00 00:10:00	e (block) (pass) (block) (block)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
Destination	for results:	crt			
Schedul Help	e execution: Go ClrFl	now .d PrevFld Mai	inMenu Fil	lForm Defaul	ts Cancel

## Figure 2-69. Edit Alert Driven Routine Filter Input Form, Alert Group

This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated ADR filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

## **Exceptions allowed**

Displays whether or not exceptions are allowed. Possible values are yes and no.

Page 2, Device Exceptions

	System Managem EDIT ALERT DRIVE	ent N ROUTINE FILTE	R	Page 2
Alert group: apl-cnnd-msg	Filter type:	duration Fi	lter value:	00:00:00
Device 1 2 3 4 4 5 6 7 8 9 9 10 10 11 12 13 Help Go ClrFld	d PrevFld Mair	Menu FillForm	Va                        	alue

Figure 2-70. Edit Alert Driven Routine Filter Input Form, Device Exceptions

This input form contains the following fields.

## Alert group

Displays the alert group.

## Filter type

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter depends on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

## Filter value

Displays the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**, **pass**, and **block**. A value of **00:00:00** corresponds to a **pass** value. A value of **24:00:00** corresponds to a **block** value. For pass/block filters, the valid values are pass (or **00:00:00**) or block (or **24:00:00**).

## Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Value

For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

Click on Go (or press F2) to execute the command.

## Edit Alert Driven Routine Filter Results Form

This results form displays a message indicating whether or not the command was successfully completed.

## Edit ATR Phone Directory (edatrpd)

Use the *edatrp* command to specify entries in the Automatic Trouble Report (ATR) phone directories. The NMS automatically attempts to send an ATR to one or more destinations when an alert for a device passes the automated action filter and automatic trouble reporting is authorized in that device's profile. The ATR state must also be set to **on** for that device's control channel. Refer to the Create Device Profile (*crdp*) command for information on authorizing automatic trouble reporting for a specific device. In addition to a phone number, you can also use a dedicated printer port for ATRs. Refer to the Edit Port Configurations (*edpc*) command for information on port configuration.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edatrpd Alternate:chatrp
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display ATR Phone Directory (dsatrpd) Display ATR States (dsatrs) Edit ATR States (edatrs) Edit Device Profile (eddp)

## **Edit ATR Phone Directory Input Form**

There are two pages to this input form. Page 1 enables you to select the device type and phone directory. Page 2 is used to edit ATR phone directory information. A sample of Page 2 is shown in Figure 2-71.

## Page 1

This input form contains the following fields.

## Phone directory (Required field)

Identifies the number of the directory whose entries you want to edit. There are four phone directories available for each device type/alert group combination. Valid values are **1**, **2**, **3**, and **4**. A pop-up menu is available listing valid selections.

## Device type (Required field)

Specifies the device type for which you want to edit ATR phone listings. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

Page 2

	Ma	anager			
	EDIT ATR PHON	E DIRECTORY		Page	2
Phone	directory: 1	Device type:	apl		
Alert group Number of retries Comments	ATR destination Retry interval	(min:sec)			
apl-backup []					
apl-cnnd-msg ∎					
apl-device					
Help Go	ClrFld PrevFld	MainMenu FillForm	Defaults	Cancel	

## Figure 2-71. Edit ATR Phone Directory Input Form

The fields on this input form are described as follows.

#### Alert group

Identifies a specific logical group of alert types. Lists each alert group associated with the specified device type.

## Number of retries (Required field)

Specifies the number of retry attempts (0–7) to send the ATR if it fails because of a busy condition. If **port** has been specified as the destination, this field does not apply. The default is **3**. A pop-up menu is available listing valid selections.

## **ATR destination**

Specifies where the ATR is to be sent. Enter either the telephone number of a remote ATR destination or the keyword **port** to specify the dedicated ATR printer. When specifying a telephone number, special dialing characters can be used. For example:

- **P** = Pulse dialing service.
- **T** = Touch-Tone dialing service.
- - = Two-second pause. A space also represents a two-second pause.
- + = A 30-second pause; wait for secondary dial tone.
- \* = Special character in PBX dialing.
- # = Special character in PBX dialing.
- () = Parentheses.

## **Retry interval (min:sec)** (*Required field*)

Specifies the amount of time (minutes and seconds) to wait before another attempt is made to send the ATR to the specified destination. If **port** has been specified as the destination, this field does not apply. The default is **5:00**.

#### Comments

Displays any additional comments about that destination.

Click on Go (or press F2) to execute the command.

## **Edit ATR Phone Directory Results Form**

The Edit ATR Phone Directory results form indicates the success or failure of the edit.

# Edit ATR States (edatrs)

Use the *edatrs* command to turn on or off the Automatic Trouble Report (ATR) feature for each control channel.

When a control channel's ATR state is **on**, an alert for a device on that channel triggers an ATR if the following two conditions are met: the device has proper authorization for ATR in its device profile (as determined by the entry in the **ATR** field of the device's device profile), and the alert has passed the automated action filter. An **off** ATR state blocks the transmission of ATRs for all devices on that control channel, regardless of device profile authorizations or automated action filter settings.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edatrs Alternate:chatrs
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display ATR Phone Directory (dsatrpd) Display ATR States (dsatrs) Display Automated Action Filter (dsaaf) Edit ATR Phone Directory (edatrpd) Edit Automated Action Filter (edaaf) Edit Device Profile (eddp)

## Edit ATR States Input Form

This input form contains the following fields.

## **Control Channel**

Specifies the control channel.

State (Required field)

Specifies the ATR state of each listed control channel (on or off). The default is **on**. Click on **Go** (or press **F2**) to execute the command.

## Edit ATR States Results Form

This results form contains a message concerning the success or failure of the edit.

## Edit Automated Action Filter (edaaf)

Use the *edaaf* command to edit automated action filters for each alert group of the specified device type. The automated action filter specifies the length of time that an alert must be active before an Automatic Trouble Report (ATR) is sent and/or before an automatic trouble ticket is generated.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edaaf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Automated Action Filter (dsaaf)

## **Edit Automated Action Filter Input Form**

There are two pages for this input form. The fields displayed in Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-72 and 2-73.

## Page 1

This input form contains the following fields.

## **Device type** (*Required field*)

Specifies the type of device whose automated action filter you want to edit. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

## **Option** (*Required field*)

Specifies either the alert group or device exceptions to the automated action filter. The **alert group** value causes the subsequent input form to display automated action filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the automated action device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

## Alert group

Specifies the alert group for which the device exceptions and their automated action filter parameters are to be edited. This field is displayed only when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

		System Manag EDIT AUTOMATED	ement ACTION FIL	.TER	Page 2
		Device type	e: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal	Filter type duration duration duration duration duration duration	Filter valu 24:00:00 00:10:00 00:10:00 24:00:00 24:00:00 00:10:00	ue (block) (pass) (block) (block)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
Destination f Schedule Help	for results: • execution: Go ClrFlc	crt now I PrevFld Ma	inMenu Fil	lForm Defaul	ts Cancel

## Figure 2-72. Edit Automated Action Filter Input Form, Alert Group

This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated automated action filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

## Exceptions allowed

Displays whether exceptions are allowed. Possible values are yes and no.

## Page 2, Device Exceptions

		System Manaş EDIT AUTOMATED	gement ACTION FILTE	ER	Page 2
Alert group:	apl-message	Filter type:	duration	Filter value:	: 24:00:00
Device 1 ■ 2 3 4 5 6 7 8 9 10 11 12 13 Help	Go ClrFJ	Ld PrevFld Ma	ainMenu Fill	Torm Defaults	/alue

Figure 2-73. Edit Automated Action Filter Input Form, Device Exceptions

This input form contains the following fields.

## Alert group

Displays the alert group.

## Filter type

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

## Filter value

Displays the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**, **pass** and **block**. A value of **00:00:00** corresponds to a **pass** value. A value of **24:00:00** corresponds to a **block** value. For pass/block filters, the valid values are **pass** (or **00:00:00**) or block (or **24:00:00**).

## Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Value

For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

Click on Go (or press F2) to execute the command.

## **Edit Automated Action Filter Results Form**

This results form consists of a message concerning the success or failure of the edit.

## Edit Category (edc)

Use the *edc* command to edit Network Summary categories. Each Network Summary category represents a subset of active alerts, summarized as a tally in the corresponding Network Summary cell. The set of alerts tallied is determined by your entries in the Edit Category input form.

Table 2-2 shows how the category numbers correspond to cell placement in the Summary task. The system default row and column labels are also listed in this table.

	MUX	SYS	SWTCH	NTWK	APL	DDD	DDS	UND	RSTRL	6510
Major	1	2	3	4	5	6	7	8	9	10
Minor	11	12	13	14	15	16	17	18	19	20
Warning	21	22	23	24	25	26	27	28	29	30

 Table 2-2

 Summary Display Alert Category Mapping

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Edit Row-Column Labels (edrcl)

## **Edit Category Input Form**

There are two pages to this input form. Page 1 enables you to select a category. Page 2 enables you to edit that category. A sample of Page 2 is shown in Figure 2-74.

## Page 1

This input form contains the following field.

## **Category** (*Required field*)

Specifies the category whose parameters you want to edit. Valid values are **1–30**. A pop-up menu is available listing valid selections.

## Page 2

	System Management EDIT CATEGORY Page	2 2
Category:	1	
Status:	Ective	
Device type(s):	system	-
Model(s):	all	
Device(s):	all	
Alert(s):	all	-
Priority(s):	<u>1</u>	
Finished editing categ	ories?: no	
Help Go Clr	Fld PrevFld MainMenu FillForm Defaults Cance.	

## Figure 2-74. Edit Category Input Form, Page 2

This input form contains the following field.

## **Status** (*Required field*)

Specifies whether the selected category is **active** or **inactive**. An **active** category displays a dynamic tally of alerts. An **inactive** category does not tally alerts and displays in the background color. A pop-up menu is available listing valid selections.

The following fields are used to determine which alerts are included in the selected category's tally.

## **Device type(s)**

Specifies the device type(s) whose alerts are to be included in the tally. Multiple entries, the wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Model(s)

Enter the model number(s) of the device(s) whose alerts are to be included in the tally. Multiple entries, the wildcard character (\*) and the keyword **all** are allowed. See Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

## Device(s)

Specifies the device(s) whose alerts are to be tallied. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### Alert(s)

Specifies the alerts types to be tallied. Enter either alert types or alert group names. Multiple entries and the keyword **all** (default value) are allowed. See the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information.

### **Priority**(s)

Specifies the priority level of alerts to be tallied. Possible values are 1 (major), 2 (minor) and 3 (warning); or the keyword **all**. Multiple entries are allowed.

## **Finished editing categories?** (*Required field*)

Specifies whether or not you completed your changes to the selected Summary category. The NMS makes your changes effective for all the categories you edited when you enter yes in this field. If you are editing more than one category, continue to enter **no** in this field until you finish editing all the categories you want edited. Enter **yes** in this field for the last category you want to edit.

Click on Go (or press F2) to execute the command.

## **Edit Category Results Form**

This results form displays a message, indicating success or failure of the update.

# Edit Color Code (edcc)

Use the *edcc* command to change the color codes used on the Map, Monitor, and Summary displays.

In addition to color code assignments for alert priorities, two additional color codes are used.

- The network map displays a supported device or facility icon, or list name in the normal operation color when there are no alerts being reported by or for that device or facility. The network map displays a site icon or list name in the "normal operation" color when no alerts are being reported by or for devices at that site. The network summary displays an active category cell in the "normal operation" color when the tally of alerts in that category is zero.
- The network map displays a device or facility icon or list name in the "unmanaged" color if that device/facility is not managed (i.e., unsupported) by the 6800 Series NMS. The network map displays a site icon or list name in the "unmanaged" color if none of the devices at that site are supported by the NMS.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator		
Abbreviation:	edcc		
Restrictions:	Choosing an alert priority color of black or dark blue prevents these alerts from appearing on the Monitor and the tally from appearing on the Summary since their backgrounds are also black and dark blue, respectively. Color code changes are not reflected on currently-open map, monitor and summary displays. These task windows must be closed, then reopened for your changes to be reflected.		
Routine:	Yes		
Schedule:	Yes		
<b>Related Commands:</b>	Edit Alert Attribute (edaa)		

## Edit Color Code Input Form

	System Managem EDIT COLOR C	ent ODE	Page 1
Priority 1 2 3	Meaning normal operation major failure minor failure warning unsupported devices	Color green red yellow cyan white	Color chart black blue gray green magenta red white yellow
Destination f	or results: <mark>ort</mark>		
Schedule	execution: now		
Help	Go ClrFld PrevFld Mair	Menu FillForm	Defaults Cancel

A sample of this input form is shown in Figure 2-75.

Figure 2-75. Edit Color Code Input Form

This input form contains the following fields.

#### Priority

Specifies the priority level.

#### Meaning

Specifies the meaning of the priority levels. Also lists two additional color codes (for normal operation and unsupported devices).

#### **Color** (*Required field*)

For each of the alert priorities (1 = major failure, 2 = minor failure, 3 = warning), and for the normal operation and unsupported devices, you can assign one of the colors indicated on the color chart.

Click on Go (or press F2) to execute the command.

## **Edit Color Code Results Form**

This results form displays a message, indicating success or failure of the update.

## Edit Device Group (eddg)

Use the *eddg* command to edit devices belonging to a particular device group.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	eddg
<b>Restrictions:</b>	Cannot be cancelled once "go" is selected.
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Display Device Group (dsdg)

## Edit Device Group Input Form, Page 1

This input form contains the following field.

## Device group (Required field)

Input the name or number of a device group on the system. The device group name can be up to 15 characters in length. Valid device group numbers are from **1** through **50**. A pop-up menu of valid device group names and numbers is available.

## Edit Device Group Input Form, Page 2

Page 2 of the Edit Device Group input form displays the current device assignment for the selected device group.

#### **Device group**

Displays the device group name specified on input form Page 1, or the name corresponding to the number specified on Page 1. The device group name can be changed by either entering a new one or by entering a name if one has not been assigned.

#### Device(s)

Enter up to 200 characters of data describing the device(s) to be included in the device group. Multiple entries are separated by commas or spaces. The following entries are acceptable in any combination:

- Device addresses
- Device names
- Circuit names
- Serial numbers
- Network names

## **Device type(s)**

Enter up to 50 characters specifying the device types to be included in this device group. Multiple entries are separated by commas or spaces.

## Model(s)

Enter up to 50 characters specifying the device models to be included in this device group. Multiple entries are separated by commas or spaces.

### Site(s)

Enter up to 100 characters specifying the sites and their associated devices to be included in this device group. Multiple entries are separated by commas or spaces.

## NOTE

Once you have selected **GO** to complete the command and update the database, the transaction will run to completion and cannot be canceled.

## Edit Device Group Results Form

The results form lists those device profiles that could not be updated. You **MUST** execute the *eddp* command to update the individual profiles to properly reflect the device group settings.

# Edit Device Profile (eddp)

Use the *eddp* command to edit a device profile record.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator				
Abbreviation:	eddp Alternate: chdp				
Restrictions:	Use this command to edit device profiles; only one profile can be edited at a time. You cannot change the value of the <b>NMS support</b> field. For ANALYSIS device profiles, you cannot edit the following fields.				
	NMS Support				
	Device Name				
	• Device Type				
	Device Address				
	Protocol Mode				
	• Product Type				
	Model Number				
	• System Polling				
	Device Position				
	Circuit Name				
	Network Name				
Routine:	Yes				
Schedule:	Yes				
Related Commands:	Create Device Profile (crdp) Delete Device Profile (dldp)				

Display Device Profile (dsdp) List Device Profiles (lsdp)

## **Edit Device Profile Input Form**

There are multiple pages for this input form, depending on the type of device selected. Once a device is selected, refer to the Create Device Profile (*crdp*) command for a description of the form fields and samples of form screens.

This input form contains the following field.

## **Device** (*Required field*)

Specifies the device profile to be edited. The **Device**(s) field accepts the following formats:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed. Refer to the Create Device Profile (*crdp*) command for descriptions of the fields for modem, MUX, unsupported device, or system profile device profiles.

Click on **Go** (or press **F2**) to execute the command.

## **Edit Device Profile Results Form**

A results screen displays a message, indicating success or failure of the update.

# Edit Display Filter (eddf)

Use the *eddf* command to edit the display filter value for each alert group of the device type specified or to edit device exceptions within a specified alert group. This filter eliminates alerts from displaying on your workstation.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	eddf
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Display Filter (dsdf)

## **Edit Display Filter Input Form**

There are two pages for this input form. The fields displayed in Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-76 and 2-77.

## Page 1

This input form contains the following fields.

## **Device type** (*Required field*)

Specifies the type of device whose display filter you want to edit. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

## **Option** (*Required field*)

Specifies either the alert group or device exceptions to the display filter. The **alert group** value causes the subsequent input form to display display filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

## Alert group

Specifies the alert group for which the device exceptions and their display filter parameters are to be edited. This field is displayed only when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

	E	System Manaş DIT DISPLAY F	gement ILTER		Page 2
		Device typ	e: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message	Filter type duration duration duration duration duration	Filter val ©0:00:00 00:00:00 00:00:00 00:05:00 00:00:00	ue (pass) (pass) (pass) (pass)	Adjustable defaults yes yes yes yes yes	Exceptions allowed yes yes yes yes yes
apl-service apl-terminal Destination	duration duration for results:	00:00:00 00:00:00	(pass) (pass)	yes yes	yes yes
Schedul	e execution:	now PrevFld Ma	ainMenu Fi	llForm Defaul	ts Cancel

Figure 2-76. Edit Display Filter Input Form, Alert Group

This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated display filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

## **Exceptions allowed**

Displays whether or not exceptions are allowed. Possible values are yes and no.

Page 2, Device Exceptions

		System Manag EDIT DISPLAY FI	ement LTER		Page 2
Alert group:	apl-message	Filter type:	duration	Filter value:	00:00:00
Device 1 2 3 4 5 6 7 7 8 9 10 11 12 13 Help	Go ClrFl	.d PrevFld Ma.	inMenu FillFo	v.	alue

Figure 2-77. Edit Display Filter Input Form, Device Exceptions

This input form contains the following fields.

## Alert group

Displays the alert group.

## Filter type

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

## **Filter value** (*Required field*)

Displays the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**, **pass** and **block**. A value of **00:00:00** corresponds to a **pass** value. A value of **24:00:00** corresponds to a **block** value. For pass/block filters, the valid values are **pass** (or **00:00:00**) or block (or **24:00:00**).

## Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Value

For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

Click on Go (or press F2) to execute the command.

## **Edit Display Filter Results Form**

This results form consists of a message concerning the success or failure of the edit.

# Edit External System Configuration (edesc)

Use the *edesc* command to edit the information contained in the external system configuration table. These configurations are used to specify systems to which a cut-through from NMS is available.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edesc
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display External System Configuration (dsesc) Display Port Configurations (dspc) Edit Port Configurations (edpc)

## Edit External System Configuration Input Form

A sample of this input form is shown in Figure 2-78.

	Manager	
EDIT Name Host name or IP address Task name or Terminal t	Type Parameter	Page I Port group
		<u> </u>
		<u>−</u>
Help Go ClrFl	d PrevFld MainMenu FillForm	Defaults Cancel

Figure 2-78. Edit External System Configuration Input Form

This input form contains the following fields.

#### Name (Required field)

Specifies the name assigned to each external system. The default is **ext-sys-n**. The name(s) appears on the external systems menu which displays when the External Systems task is selected, when specifying user access permissions to the system in the User Profile, and when specifying MAP access through the Device Profile "external System" field. All default names for external systems can be changed except those automatically installed for 3270 and ANALYSIS systems. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator*'s *Guide* for more information.

To delete an external system, simply clear all the fields for that system, except for the **NAME** field. It is recommended that you change the NAME value to not configured because this is a required field and cannot remain blank.

#### Type (Required field)

Defines the type of external system. Possible types are

- DATAPHONE II DBU controller dbu
- Series 700 Multiplexer series 700
- System Controller sc
- Service Restoration Control Unit srcu
- DCX 840/850 Multiplexers dcx
- Analysis NMS analysis
- SNMP Manager **sm**
- 3270 Terminal Emulation **3270**
- Hosts Supporting telnet telnet
- A VT100-compatible terminal or Bytex switch other

A pop-up menu is available listing valid selections.

#### **Port group** (*Required field*)

Identifies the port group to which the external system is assigned. External systems with the same port group share the ports in that group. This is normally done for direct distance dial ports. The port group number in this field must have been previously specified using the Edit Port Configurations (*edpc*) command.

#### NOTE

Port group cannot be set for SM and telnet types.

#### Host name or IP address

Identify the host for SNMP Manager or Telnet Hosts. The external systems application uses this field to cut-through to the SNMP Manager or Telnet Hosts. For the SNMP Manager, the **Host name** or **IP address** must be defined in the */etc/hosts* file. For Telnet Hosts, the **Host name** must be defined in the */etc/hosts* file while an **IP address** need only be in a format that the telnet command recognizes.

#### Task name or Terminal type

Specify **Task name** or **Terminal type**, depending on the value in the **Type** field. If **Type** is **sm**, this field identifies the **Task name** that will invoke the SNMP Manager. The external systems application uses this field to cut-through to the SNMP Manager. If **Type** is **other** or **telnet**, this field identifies the type of terminal to emulate when cutting through to any vt100/ansi compatible system from a full-feature workstation. The **Terminal type** field is optional. If defined, it must exist in the terminfo database.

#### Parameter

For a dial-up connection, specifies the telephone number to be used to connect to the external system. For a dedicated connection, specifies any necessary parameter for login/connection to the external system. The following characters are valid. Also, the following special dialing characters are valid.

- **P** = Pulse dialing service.
- **T** = Touch-Tone dialing service.
- -= Two-second pause. A space also represents a two-second pause.
- + = A 30-second pause; wait for secondary dial tone.
- \* = Special character in PBX dialing.
- # = Special character in PBX dialing.
- () = Parentheses (readability only).

Click on Go (or press F2) to execute the command.

## Edit External System Configuration Results Form

This results form displays a message, indicating the success or failure of the update.
## Edit Facility Profile (edfp)

Use the *edfp* command to edit an existing facility profile record.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	edfp
<b>Restrictions:</b>	Only one facility profile can be edited at a time.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Facility Profile (crfp) Delete Facility Profile (dlfp) Display Facility Profile (dsfp) List Facility Profile (lsfp)

## **Edit Facility Profile Input Form**

There are multiple pages for this input form, depending on the type of device selected. Once a facility name is selected, refer to the Create Facility Profile (*crfp*) command for a description of the form fields and samples of form screens.

This input form contains the following field.

#### Facility name (Required field)

Specify the facility profile to be edited. Facility names begin with the protected prefix fac-. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

Click on Go (or press F2) to execute the command.

## **Edit Facility Profile Results Form**

A results screen displays a message, indicating success or failure of the update.

# **Edit NMS Configuration (ednmsc)**

Use the *ednmsc* command to edit the NMS configuration record. This record contains software version numbers, whether or not a printer banner is printed, user information and contact name and information for maintenance. Also, comments regarding configuration can be included.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	ednmsc Alternate: chsid
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display NMS Configuration (dsnmsc)

## **Edit NMS Configuration Input Form**

There are two pages to this input form. Page 1 enables you to edit NMS ID and contact information. Page 2 enables you to provide comments regarding this information, if necessary. A sample of Page 1 is shown in Figure 2-79.

## Page 1

۲ <u>۲</u>	Manager	
	EDIT NMS CONFIGURATION	Page 1
NMS ID: Software version:	ts4 AT&T Paradyne NMS 4.2	
Printer banner:	on	
User name:	AT&T Bell Labs	
Address:	AT&T Bell Labs Office 1B-235 200 Laurel Avenue Middletown, NJ 07748	
Contact name: Contact phone:	<u>Travis Morgan</u> 908-957-5752	
Maintenance phone:	908-957-2865	
Help Go	ClrFld PrevFld MainMenu FillForm Def	aults Cancel

Figure 2-79. Edit NMS Configuration Input Form, Page 1

This input form contains the following fields.

#### **NMS ID** (*Required field*)

Identifies a serial number or identifying name for the NMS. Valid entries are from 1–13 alphanumeric characters and special characters . and –.

#### Software version

Specifies the version number of the NMS software currently installed on the system. This field is populated automatically at installation and cannot be edited.

#### **Printer banner** (*Required field*)

Indicates whether a single page identifying header is printed before each print job. Possible values are **on** and **off**.

#### User name

Identifies the name of the organization managing the NMS.

#### Address

Identifies the location of the organization managing the NMS.

#### **Contact name**

Specifies the name of the data communications manager.

#### **Contact phone**

Specifies the phone number of the data communications manager.

#### Maintenance phone

Specifies one or more remote access dial-in maintenance phone numbers. These numbers are used by maintenance personnel to dial into the maintenance port of the NMS. Any DDD port can be used as a maintenance port.

#### Page 2

This input form contains the following field.

#### Comments

Contains any pertinent comments for maintenance/service personnel.

Click on Go (or press F2) to execute the command.

#### **Edit NMS Configuration Results Form**

This results form displays a message, indicating success or failure of the update.

# **Edit Port Configurations (edpc)**

Use the *edpc* command to configure the NMS basic-feature workstations, terminals, printers, and external systems ports on the host processor. The Edit Port Configurations (*edpc*) command is also used to configure the system printer, the Series 700 multiplexer network port, the SC/DBU terminal emulation port's speed, the Uniform Alarm Interface port's speed, and the alert log printer option. In addition, the ports on the User Interface Processor (UIP) can also be configured, if your system is configured with a UIP.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edpc Alternate: chpc
Restrictions:	The ANALYSIS NMS gateway, 3270 Emulation ports, and the MUX event and MUX command ports are set up at software installation and cannot be changed by this command.
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Port Configurations (dspc)

## **Edit Port Configurations Input Form**

There are multiple pages for this input form. Page 1 enables you to select the host processor. Page 2 lists all the ports configured on the processor you selected. A sample of Page 2 is shown in Figure 2-80.

## Page 1

This input form contains the following field.

#### Processor

Enter the name of the machine for which ports are to be configured. You can enter the name of the host or the UIP if your system is configured with a UIP. Processor names are set at installation. A pop-up menu is available listing valid selections.

## Page 2

	Mana EDIT PORT CO	ger NFIGURATI	ONS	P	age 2
	Processor:	ts4			
Board-Port         Type           lpt         dea           01-01         dda           01-02         dda           01-03         dda           01-04         dea           01-05         dea           01-06         nor           01-07         dea           01-08         nor           01-09         dea           01-10         nor           01-11         dda           01-12         dda           01-13         dda	Application dic. system printer 1 dic. system printer 1 dic. system printer 1 dic. system system dic. atr/remote printer dic. system printer 2 none dic. alert log printer ne none dic. uai ne none dic. uai ne external system dic. external system	Group n/a 999 999 1/a n/a n/a n/a n/a 999 n/a 999	Device type none ATT2224CE0 ATT2224CE0 ATT2224CE0 n/a n/a none n/a none ATT2224CE0 ATT2224CE0 ATT2224CE0	State disabled available available disabled enabled none disabled none disabled none available n/a available	Speed n/a 9600 2400 2400 9600 0 9600 0 9600 2400 2400

Figure 2-80. Edit Port Configurations Input Form, Page 2

This input form contains the following fields.

#### **Board-Port**

Lists the port number; populated automatically by the system on installation. Possible values are

- lpt Parallel port.
- **com-a** Communications Port A.
- **com-b** Communications Port B.
- gpsc 3270 SNA port.
- $\mathbf{xx-yy}$  *where*:  $\mathbf{xx}$  = Board number of IPC card.
  - yy = Slot number of port on IPC card.
- **an-yy** *where:* **yy** = Slot number of ANALYSIS interface circuit card.

#### **Type** (*Required field*)

The type of port. Possible values are

- **ddd** Identifies the port as a DDD port.
- **dedic** Identifies the port as a hard-wired port (dedicated).
- **sna** Identifies a port dedicated to an SNA access device. This value is automatically displayed.
- **none** The port is not assigned.
- **direct** Identifies the port as a hard-wired port used for the file export feature. This value is specified via the Export File Configuration (*efc*) command and cannot be changed.

A pop-up menu is available listing valid selections.

## **Application** (*Required field*)

Identifies the application to be used from the port. Possible values are

• system printer n	- Where <b>n</b> may be <b>1</b> or <b>2</b> (maximum number of system printers).
• alert log printer	- The port is used for the alert log printer.
• atr/remote printer	<ul> <li>The port is used for outgoing ATRs and remote printer jobs.</li> </ul>
• remote terminal	<ul> <li>The port is used by a local or a remote basic-feature workstation.</li> </ul>
• mux event	<ul> <li>All MUX network events are directed to this port. This port is connected to a multiplexer node to transmit events from the multiplexer network to the NMS. It cannot be changed using the <i>edpc</i> command.</li> </ul>
• mux command	<ul> <li>NMS commands are transmitted from the NMS to the MUX network and network results are received by the NMS via this port. The port is connected to a multiplexer node to send commands and to receive command results to/from the multiplexer network. It cannot be changed using the <i>edpc</i> command.</li> </ul>
• external system	<ul> <li>The port is used to cut through via terminal emulation to an external system.</li> </ul>
• analysis getaway	<ul> <li>The port is used to connect to the ANALYSIS NMS. It cannot be changed using the <i>edpc</i> command.</li> </ul>
• uai	<ul> <li>The port is used for transfer of alerts via the Uniform Alarm Interface.</li> </ul>
• file export	<ul> <li>The port is used for the file export feature. This is a display-only field. It cannot be changed using the <i>edpc</i> command. Use the Export File Configuration (<i>efc</i>) command to change the port's configuration.</li> </ul>
• bytex events	<ul> <li>The port is used to connect to the Bytex Unity Management System to transmit alerts to the NMS. The port is configurable only on the NMS host and is always dedicated at a speed of 1200 bps.</li> </ul>
• none	<ul> <li>The port is not assigned.</li> </ul>

To change a port's application, you must first select **none**, then execute the *edpc* command. After results have been returned, change the application to the desired value, then execute the *edpc* command again. A pop-up menu is available listing valid selections.

#### **Group** (*Required field*)

The group is assigned to the port to allow the port to be shared by multiple external systems. A group number is required for external systems. Port groups used for external systems must be specified in the Edit External Systems Configuration (edesc) command. Port group is not applicable for other applications. Port groups are automatically assigned for 3270 and ANALYSIS systems and cannot be changed or reassigned to other ports; port group numbers 500–505 and 600 are reserved for these systems. Port group 0 is reserved and cannot be assigned to an external system.

#### **Device type** (*Required field*)

The type of device used by the application for the port; possible values are dependent on the application and/or port type specified under the Application and Type fields. Possible values are

- For system printer applications, displays a valid NMS system printer model number.
- For alert log printer applications, displays a valid NMS alert log printer model • number.
- For DDD ports, displays the model number of the DDD modem used for the dial connection.
- Valid values are shown in abbreviated form in a pop-up menu. The full names • are listed below.

200

 ATT2212C	– AT&T 2212C
 ATT2212D	– AT&T 2212D
 ATT22224A	– AT&T 2224A
 ATT2224B	– AT&T 2224B
 ATT2224CEO	- AT&T 2224CEO
 ATT2224E	– AT&T 2224E
 ATT2224G	– AT&T 2224G
 ATT2248A	– AT&T 2248A
 ATT2296A	– AT&T 2296A
 ATT4000	– AT&T 4000 1A02
 ATT4024	– AT&T 4024
 ATT4024H	– AT&T 4024H
 ATT4112	– AT&T 4112
 Cerm1200	- Cermatek 1200
 Cerm1200PC	- Cermatek 1200PC
 Hayes1200	– Hayes Smartm 120

Hayes1200B - Hayes Smartm 1200B

- **Hayes2400** Hayes Smartm 2400
- Hayes2400B Hayes Smartm 2400B
  - Mtech224 Multitech 224
  - Mtech224PC Multitech 224PC
- **Penril1200** Penril 1200
- Prteus1200 Prometheus 1200
- **Qubie1200E** Qubie 212A/1200E
  - **RacalVadic** Racal VADIC
- **Rixon2400** Rixon Usr Courier 2400
- Vtel1200P1 Ventel 1200 PLUS
- Vtel1200EC Ventel 1200 PLUS-EC
- VtelMD212 Ventel MD212 PlusLE
- NonAutoDl Non-Autodialing
- For any other application/port type, the field is not applicable (n/a).

A pop-up menu is available listing valid selections.

#### State (Required field)

This field provides the current status of the port, either currently **available**, **in use**, **enabled**, **disabled**, **n**/**a**, or **none**, depending on the application and port type. You can only edit the state for printer and UAI applications. For system, alert log and ATR/remote printers on a dedicated port, possible values are **enabled** and **disabled**. The **enabled** value means the printer port is ready. The **disabled** value means the port is taken out of service and the print job is queued. For UAI applications, possible values are **enabled** and **disabled**. The disabled value means that the UAI messages are queued as long as the port is disabled. For external systems, possible values are **in use** and **available**. The **in use** value means the port is currently in use. The **available** value means the port is not currently being used. A pop-up menu is available listing valid selections.

### **Speed** (*Required field*)

Provides the configured speed of the data transmission. Valid values are **0**, **300**, **1200**, **2400**, **4800**, **7200**, and **9600** bits per second. The speed cannot be changed for a parallel port (**lpt**) and **n/a** is displayed. The speed cannot be changed to **0** for any assigned port. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

## **Edit Port Configurations Results Form**

This results form displays a message, indicating the success or failure of the edit.

## Edit Processing Filter (edpf)

Use the *edpf* command to edit the processing filter value for each alert group of the device type specified or to edit device exceptions within a specified alert group.

Access Level:	System Administrator
Abbreviation:	edpf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Display Processing Filter (dspf)

## **Edit Processing Filter Input Form**

There are two pages for this input form. The fields displayed in Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-81 and 2-82.

#### Page 1

This input form contains the following fields.

#### **Device type** (*Required field*)

Specifies the type of device whose processing filter you want to edit. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

#### **Option** (*Required field*)

Specifies either the alert group or device exceptions to the processing filter. The **alert group** value causes the subsequent input form to display processing filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

#### Alert group

Specifies the alert group for which the device exceptions and their processing filter parameters are to be edited. This field is displayed only when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

	E	System Manag EDIT PROCESSIN	gement G FILTER		Page 2
		Device type	e: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal Destination f	Filter type duration duration duration duration duration duration	Filter valu ©:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00	ue (pass) (pass) (pass) (pass) (pass) (pass) (pass)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
Schedule Help	e execution:	now PrevFld Ma	inMenu Fi	llForm Defaul	ts Cancel



This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated processing filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

#### **Exceptions allowed**

Displays whether or not exceptions are allowed. Possible values are yes and no.

Page 2, Device Exceptions

		System Manage EDIT PROCESSING	ement FILTER		Page 2
Alert group:	apl-terminal	Filter type:	duration	Filter value:	00:00:00
Device 1 ■ 2 … 3 … 4 … 5 … 6 … 7 … 9 … 10 … 11 … 12 … 13 … Help	Go ClrF1	d PrevFld Ma.	inMenu FillFo	Va 	alue

Figure 2-82. Edit Processing Filter Input Form, Device Exceptions

This input form contains the following fields.

#### Alert group

Displays the alert group.

#### Filter type

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

### **Filter value**

Displays the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**, **pass** and **block**. A value of **00:00:00** corresponds to a **pass** value. A value of **24:00:00** corresponds to a **block** value. For pass/block filters, the valid values are **pass** (or **00:00:00**) or block (or **24:00:00**).

#### Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Value

For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

Click on Go (or press F2) to execute the command.

## **Edit Processing Filter Results Form**

This results form consists of a message concerning the success or failure of the edit.

## Edit Routine (edr)

Use the *edr* command to change the input parameters or set of commands included in a routine. A Help Desk, Data Technician, or Manager level user can edit his/her own personal routines. An Administrator level can edit his/her own personal routines or system routines. The System Administrator can edit his/her personal routines, system routines and any other user's personal routines.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	edr Alternate: chr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Copy Routine (cpr) Create Routine (crr) Delete Routine (dlr) Display Routine (dsr) List Routines (lsr) Display ADR Criteria (dsadrc)

#### NOTE

To run a routine, you use the Execute Routine operation. This operation is described in Chapter 2, *Getting Started*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

### **Edit Routine Input Form**

There are multiple pages for this form. Page 1 enables you to select the routine to be edited. Page 2 provides the list of commands contained in the routine and Page 3 enables you to enter comments regarding the routine. A sample of Page 2 is shown in Figure 2-83.

### Page 1

This input form contains the following fields.

**User ID** (*Can be used by System Administrator only*)

NMS displays your User ID. Only the System Administrator can change this entry to any User ID on the system. For the *System Administrator only*, a pop-up menu is available listing valid User IDs.

#### **Routine name** (*Required field*)

Enter the name of your personal routine. The System Administrator can also enter a system routine name. System routines must be prefixed with **sys-**. A pop-up selection list shows the available routines.

After you specify the routine name on the input form, a warning message displays if one or more ADR criteria records exist for the routine. This message reads as follows.

One or more alert-driven routine (ADR) criteria records exist for this routine; editing the routine may affect ADR execution. Check ADR criteria to ensure proper operation.

Click on **OK** to return to the command input form.

If the routine was previously scheduled for a later execution, a warning message is displayed. This message reads as follows.

This routine has been scheduled for later execution. If you edit the routine, all previously-scheduled executions of this routine will use the modified routine.

Click on **OK** to return to the command input form.

### NOTE

If the routine is scheduled for a later execution *and* has associated ADR criteria records, NMS displays a single warning message, combining the two warning messages previously described.

## Page 2

	System EDIT	Management ROUTINE		Page 2
	User ID:	admin		
	Routine name:	diag-03		
<u> </u>				
Help Go	ClrFld PrevFld	MainMenu FillF	orm Defaults	Cancel

Figure 2-83. Edit Routine Input Form, Page 2

This input form contains the following fields.

#### User ID

Carried-over field from Page 1.

#### **Routine name**

Carried over field from Page 1.

This input form shows the commands currently contained in the routine. You can move from field to field in this input form by pressing **Enter**. To move to the next page, select **Go** (or press **F2**).

You can change a routine in any of the following four ways.

- 1. To delete a command:
  - a. Move the cursor to the field containing the command abbreviation.
  - b. Select ClrFld (or press F3) to clear the field.
- 2. To insert a command:
  - a. Position the cursor on the blank field which corresponds to the location at which the new command is to be inserted.
  - b. Enter the command abbreviation.

- 3. To replace a command:
  - a. Move the cursor to the field containing the command to be replaced.
  - b. Overwrite the existing command abbreviation with the new one.
- 4. To edit an existing command:
  - a. Delete the command entry as described above.
  - b. Enter the same command name in the field immediately preceding or following the field in which the command was originally placed.

In adding commands to the routine, you can only specify the commands for which you have functional access. After completing the input form, NMS begins to display the individual command input forms for each command added to the routine.

You can specify or modify inputs for each command by **paging** through the command input forms.

Click on Go (or press F2) after the input forms for each added command are complete.

#### Page 3

This input form contains the following field.

#### Comments

Enter any additional information about the routine.

Click on Go (or press F2) to execute the command.

## Edit Routine Results Form

This results form displays the routine name, the list of commands contained in the routine and any comments. It also indicates the success or failure of the edit.

## Edit Row-Column Labels (edrcl)

Use the *edrcl* command to redefine the Network Summary row and column labels. This command changes only the labels. To change the subsets of alerts counted in the Summary categories, use the Edit Category (*edc*) command.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edrcl
Restrictions:	Changes made via the <i>edrcl</i> command are not reflected in open network summary windows. The Network Summary window must be closed, then reopened for row and column label changes to be reflected.
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Category (edc)

## Edit Row-Column Labels Input Form

A sample of this input form is shown in Figure 2-84.

				EDIT	System M ROW-CO	anagement )LUMN LAB(	ELS			Paş	2 <b>3</b> ge 1
	<u>SYS</u>	_	MUX	<u>SWTCH</u>	<u>NTWK</u>	<u>APL</u>	DDD	DDS		) <u> </u>	STRL
ajor		l I								l I	
<u>Minor</u>	 	   	   	 	 	 	 		 	 	 
<u>Warning</u>	   ≚	   	 	 	 	 	 		 	 	
Destina	ation	for	results:	crt							
So	chedul	e e×	ecution:	now							
Help		Go	Clr	Fld Pr	evFld	MainMenu	FillF	orm De	faults	Canc	el

Figure 2-84. Edit Row-Column Labels Input Form

When the form is initially displayed, the row and column labels appear as they exist in the Network Summary. To change a label, move the cursor to the appropriate field and type over the existing label. See Table 2-2, Summary Display Alert Category Mapping, in the Edit Category *(edc)* command for the default row and column labels.

Click on Go (or press F2) to execute the command.

## Edit Row-Column Labels Results Form

This results form displays a message stating that the row-column labels have been updated.

## Edit Site Profile (edsp)

Use the *edsp* command to edit an existing site profile. A site name change will be reflected in all associated device profile records. You must execute the Create Network Map (*crnm*) command and close/reopen the Map task before your changes are reflected on the network map.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edsp
Restrictions:	Only one site profile can be edited at a time. The unnamed site profile can be edited, but its name cannot be changed from "unnamed."
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Device Profile (crdp) Create Network Map (crnm) Create Site Profile (crsp) Delete Site Profile (dlsp) Display Site Profile (dssp) Edit Device Profile (eddp)

## Edit Site Profile Input Form

This input form contains the following field.

**Site name** (*Required field*)

Identifies the name of the site. Enter an existing site name whose profile is to be modified.

Press **Enter** to display the requested site profile. Refer to the Create Site Profile (*crsp*) command to view screens pertaining to the requested site.

## **Edit Site Profile Results Form**

This results form displays a message, indicating the success or failure of the edit.

# Edit Storage Filter (edsf)

Use the *edsf* command to edit the storage filter value for each alert group of the device type specified or to edit device exceptions within a specified alert group. The storage filter determines whether or not an alert is to be stored in the historical alert database after the alert clears.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edsf
Restrictions:	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Storage Filter (dssf)

## Edit Storage Filter Form

There are two pages for this input form. The fields displayed in Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-85 and 2-86.

## Page 1

This input form contains the following fields.

## **Device type** (*Required field*)

Specifies the type of device whose storage filter you want to edit. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

## **Option** (*Required field*)

Specifies either the alert group or device exceptions to the storage filter. The **alert group** value causes the subsequent input form to display storage filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

#### Alert group

Specifies the alert group for which the device exceptions and their storage filter parameters are to be edited. This field is displayed only when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

	ED	System Manago IT STORAGE FI	ement LTER		Page 2
		Device type	: apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal	Filter type pass/block pass/block pass/block pass/block pass/block pass/block	Filter valu 0:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00	e (pass) (pass) (pass) (pass) (pass) (pass) (pass)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
Destination f Schedule Help	or results: cr • execution: no Go ClrFld	t ω PrevFld Ma	inMenu Fi	llForm Defaul	ts Cancel

Figure 2-85. Edit Storage Filter Input Form, Alert Group

This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated storage filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, pass/block. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. The valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

#### **Exceptions allowed**

Displays whether or not exceptions are allowed. Possible values are yes and no.

## Page 2, Device Exceptions

		System Manag EDIT STORAGE FI	ement LTER		Page 2
Alert group:	apl-facility	Filter type:	pass/block	Filter value:	00:00:00
Device 1 ■ 2 3 4 4 5 5 6 6 7 7 8 8 9 9 10 11 12 13 Help	Go ClrFl	d PrevFld Ma.	inMenu FillFd	V	alue

### Figure 2-86. Edit Storage Filter Input Form, Device Exceptions

This input form contains the following fields.

#### Alert group

Displays the alert group.

#### Filter type

Displays the type of filter, pass/block. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value**

Displays the filter value to be used for alerts from the associated device/device group specified. The valid values are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Value

For pass/block filters, the valid entries are pass (or 00:00:00) or block (or 24:00:00).

Click on Go (or press F2) to execute the command.

## Edit Storage Filter Results Form

This results form consists of a message concerning the success or failure of the edit.

# Edit Uniform Alarm Filter (eduaf)

Use the *eduaf* command to edit the uniform alarm filter value for each alert group of the device type specified, or to edit device exceptions within a specified alert group. The uniform alarm filter specifies the time an alert must be active before it is sent via the Uniform Alarm Interface (UAI).

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	eduaf
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Uniform Alarm Filter (dsuaf)

## Edit Uniform Alarm Filter Input Form

There are two pages for this input form. The fields displayed in Page 2 depend on whether you chose **alert group** or **device exceptions** in the **Option** field on Page 1. Samples of Page 2 for each are shown in Figures 2-87 and 2-88.

Page 1

This input form contains the following fields.

#### **Device type** (*Required field*)

Specifies the type of device whose uniform alarm filter you want to edit. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

## **Option** (*Required field*)

Specifies either the alert group or device exceptions to the uniform alarm filter. The **alert group** value causes the subsequent input form to display uniform alarm filter values associated with all alert groups for the specified device type. The **device exceptions** value causes the subsequent input form to display the device exceptions and filter values defined for a particular alert group. You can modify these exceptions or add new exceptions/values as needed. A pop-up menu is available listing valid selections.

#### Alert group

Specifies the alert group for which the device exceptions and their uniform alarm filter parameters are to be edited. This field is only valid when you enter **device exceptions** in the **Option** field. A pop-up menu is available listing valid selections.

Press Enter to display subsequent input forms.

## Page 2, Alert Group

		System Managem EDIT UNIFORM ALA	ent RM FILTER	ę	Page 2
		Device type:	apl		
Alert group apl-backup apl-cnnd-msg apl-device apl-facility apl-message apl-service apl-terminal Destination	Filter type duration duration duration duration duration duration for results:	Filter value 24:00:00 00:00:00 24:00:00 24:00:00 24:00:00 24:00:00 24:00:00 24:00:00	(block) (pass) (block) (block) (block) (block) (block)	Adjustable defaults yes yes yes yes yes yes yes	Exceptions allowed yes yes yes yes yes yes yes
Schedul	e execution:	now			
Help	Go ClrFl	d PrevFld Main	hMenu Fil	llForm Defaul	ts Cancel

## Figure 2-87. Edit Uniform Alarm Filter Input Form, Alert Group

This input form contains the following fields.

#### Alert group

Displays the alert group. Each alert group, along with its associated uniform alarm filter, displays for the specified device type.

#### **Filter type**

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### **Filter value** (*Required field*)

Specifies the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Adjustable defaults

Displays whether the filter is adjustable. Possible values are yes and no.

#### **Exceptions allowed**

Displays whether or not exceptions are allowed. Possible values are yes and no.

Page 2, Device Exceptions

		System Manag EDIT UNIFORM AL	ement .ARM FILTER		Page 2
Alert group:	apl-message	Filter type:	duration	Filter value:	24:00:00
Device 1 2 3 4 5 6 7 7 8 9 10 11 12 13 Help	Go C1+F1	.d PrevFld Ma	inMenu FillFor	Va    	alue

Figure 2-88. Edit Uniform Alarm Filter Input Form, Device Exceptions

This input form contains the following fields.

#### Alert group

Displays the alert group.

#### Filter type

Displays the type of filter, **duration** or **pass/block**. The **duration** value means the filter is dependent on time. The **pass/block** value means the alert is either passed automatically (**pass**) or it never passes (**block**) the filter.

#### Filter value

Displays the filter value to be used for alerts from the associated device/device group specified. For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**, **pass** and **block**. A value of **00:00:00** corresponds to a **pass** value. A value of **24:00:00** corresponds to a **block** value. For pass/block filters, the valid values are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

#### Device

Identifies the device(s) for which exceptional filter values are to be used. Valid entries are a single device name, device address, or serial number; a single circuit name; or a single network name. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Value

For duration filters, valid values are in the format **hh:mm:ss**, within the range **00:00:00** to **24:00:00**. Seconds must be specified in increments of 15 (that is, 15, 30, 45, 00). Also the keywords **pass** and **block** are valid entries. A value of **00:00:00** corresponds to a **pass** value (as indicated by the word **pass** next to the filter value.) A value of **24:00:00** corresponds to a block value (as indicated by the word **block** next to the filter value.) For pass/block filters, the valid entries are **pass** (or **00:00:00**) or **block** (or **24:00:00**).

Click on Go (or press F2) to execute the command.

## **Edit Uniform Alarm Filter Results Form**

This results form consists of a message concerning the success or failure of the edit.

# Edit Uniform Alarm Interface (eduai)

Use the *eduai* command to change the operational parameters that have been defined for the UAI interface.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	eduai
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Display Uniform Alarm Interface (dsuai)

## Edit Uniform Alarm Interface Input Form

There are multiple pages for this input form. Page 1 enables you to specify connection parameters for the uniform alarm interface. Page 2 enables you to specify the text for the messages sent to the NMS. Samples of Pages 1 and 2 are shown in Figures 2-89 and 2-90.

Page 1

System EDIT UNIFORM	Nanagement I ALARM INTERFACE	Page 1
Login name:	<b>X</b> port	
Password:	xport1	
Send alert clear messages:	no	
Send active alerts on restart:	yes	
Timeout interval alive message(sec):	90	
Alert reporting option:	basic	
Help Go ClrFld PrevFld	MainMenu FillForm Defaults Ca	ancel

Figure 2-89. Edit Uniform Alarm Interface Input Form, Page 1

This input form contains the following fields.

#### Login name (Required field)

Specifies the login name that the receiving NMS is required to use when logging in to the 6800 Series NMS to receive alert information. The default value is **Xport**.

#### **Password** (Required field)

Displays the password that a receiving NMS is required to use when logging in to the 6800 Series NMS. The default value is **xport1**.

#### Send alert clear messages (Required field)

Specifies whether you want transfer fault clear information to the receiving NMS. The UAI feature sends each specified active fault as it occurs. However, it will not send a corresponding clear message indicating that the fault has ended unless yes is entered in this field. Enter one of the following:

#### yes

If you want both fault occurrence information and fault clear information to be sent to the receiving NMS.

#### no

If you want only fault occurrence information to be sent to the receiving NMS. This is the default value.

A pop-up menu is available listing valid selections.

#### **Send active alerts on restart** (*Required field*)

Specifies that the 6800 Series NMS send alert information for alerts that are active at the time the UAI link is established.

#### yes

If you want the 6800 Series NMS to send alert information for alerts that are active at the time the UAI link is established.

#### no

If you want the 6800 Series NMS to only send alert information for (new) alerts that occur after the UAI link has been established.

A pop-up menu is available listing valid selections.

#### **Timeout interval alive message(sec)** (*Required field*)

Indicates the maximum number of seconds that the receiving NMS should wait for an "I am alive" message from the 6800 Series NMS before logging off the UAI link. If the receiving network management system does not receive an alarm or "I am alive" message from the 6800 Series NMS within the defined interval, the receiving network management system assumes a problem exists, drops the connection, and attempts to log in to the 6800 Series NMS again. The default is **90**.

#### Alert reporting option (Required field)

Indicates whether the 6800 Series NMS alert types are to be mapped into a smaller number of alert types for transport to the receiving NMS. The **enhanced** value means that the 6800 Series NMS will send all of its defined alert types. The **basic** value means that NMS will map its alert types into 25 fault types. See Appendix G, *Uniform Alarm Interface*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for the alert mapping table. A pop-up menu is available listing valid selections.

#### NOTE

The **enhanced** value should be used if the receiving NMS is either Release 2 or later of the ACCUMASTER Integrator (AMI), or Release 3 or later of the StarKeeper<sup>®</sup> NMS. The **basic** value should be used for backward compatibility with older versions of AMI and StarKeeper.

Page 2





This input form contains the following fields.

#### Alarm text message (Required field)

Displays text, device, network, NMS, time-stamp, and alert information that is to be sent to the receiving NMS. This message can include variable parameters (denoted by numbers and enclosed in braces when part of a message) that are read in from the network alert message or provided by the 6800 Series NMS. The 6800 Series NMS expands the alarm text message with the variables (numbers) replaced with the device, network, time-stamp, or alert information before it sends the message on to the receiving NMS. See Table 2-2 for values of the variables used in alarm text messages. The default is "**received alert: {2} time: {11} device: {7} circuit: {10}**." For backward compatibility with older versions of the ACCUMASTER Integrator, parameter numbers **{2}, {7}, {10}**, and **{11}** must be included in the alarm text message.

#### Clear text message (Required field)

Displays the text, device, network, NMS, time-stamp, and alert clear information that is to be sent to the receiving NMS. This message can include variable parameters (denoted by numbers and enclosed in braces when part of a message) that are read in from the network alert message or provided by the 6800 Series NMS. The 6800 Series NMS expands the clear text message with the variables (numbers) replaced with the device, network, time-stamp, or alert information before it sends the message on to the receiving NMS. See Table 2-2 for the values of the variables used in clear text messages. The default is **"cleared alert: {2}, time: {12} device: {7} circuit: {10}**". For backward compatibility with older versions of the ACCUMASTER Integrator, parameter numbers **{2}, {7}, {10}**, and **{12}** must be included in the clear text message.

Click on Go (or press F2) to execute the command.

## Edit Uniform Alarm Interface Results Form

This results form displays a message, indicating the success or failure of the edit.

Number	Parameter	Value
0	NMS Type	PARADYNE (if alert reporting option = basic) COM6800 (if alert reporting option = enhanced)
1	NMS Id	Serial number of the NMS software
2	Alert Type	Alert type (e.g., NR, FA) reported
3	Device Type	Device type (e.g., apl, ddd) of the reporting device
4	(Reserved)	reserved
5	(Reserved)	reserved
6	Priority	MAJOR – priority 1 alert MINOR – priority 2 alert WARNING – priority 3 alert
7	Device Address	Device address of the reporting device
8	Device Name	Device name of the reporting device
9	Network Name	net-xxxx, where xxxx is the assigned network name
10	Circuit Name Facility Name	<ul> <li>cir-xxxx, where xxxx is the assigned circuit name; sent if the alert reporting option is basic</li> <li>fac-xxxx, where xxxx is the assigned facility name; sent if the alert reporting option is enhanced. If facility name cannot be determined unambiguously, Device Name {8} will be sent.</li> </ul>
11	Start Time	Date and time ( <b>mm/dd/yyyy-hh:mm:ss</b> ) that the alert was reported to the 6800 Series NMS
12	Clear Time	Date and time (mm/dd/yyyy-hh:mm:ss) that the alert was cleared
13	Alert Text	The 6800 Series NMS text description of the alert type

 Table 2-3

 Variable Number Mapping for UAI Alarm and Clear Text Messages

## Edit User Group (edug)

Use the *edug* command to create and edit user groups. A user group consists of a list of commands that users assigned to that user group will be permitted to execute. Up to 30 user groups are available on the system; the first four groups are the default groups shipped with the system.

Since each command in the system can belong to one or more user groups, this command functions by displaying the table of all commands, with their user group assignment, for up to four user groups at a time.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	edug
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Display User Group (dsug)

## Edit User Group Input Form, Page 1

A sample of this input form is shown in Figure 2-91.

الم		
EDIT USER GROUP	Page	1
User group 1: User group 2:		
User group 3: User group 4:		
Help Go ClrFld PrevFld MainMenu FillForm Defaults C	Cancel	

Figure 2-91. Edit User Group Input Form, Page 1

This input form contains the following fields.

**User group 1** (*Required field*)

Enter a user group to be edited. Groups may be selected by either group number or assigned name. A pop-up menu is available listing the valid group names and numbers.

#### User group 2, User group 3, User group 4

Enter up to three more user groups to be edited. Groups may be selected by either group number or assigned name. A pop-up menu is available listing the valid group names and numbers

#### NOTE

Administrator user group cannot be selected. If you try to enter that group name, you get an error message.

### Edit User Group Input Form, Page 2

Page 2 of the Edit User Group input form (Figure 2-92) displays the current user group assignment for the (up to) four user groups selected by the user on the first page, for all commands in the system. All commands are listed by the command abbreviation. Full command names are listed in the field help and are obtained by entering a ? in any field.

	М	anager			ľ
	EDIT USER	GROUP		Page	2
User groups: manager					
New names for					
User groups:					
System Management					
Alert Management					
Alert Data					
dlah					
dsaas Alaat Dia laa Caataairati					
Hiert Display Lustomizatio	n				
edc					
edrol					
edusc					
Automated Action Filters					
dsadrf					
Help Go ClrFld	PrevFld	MainMenu FillForm	Defaults (	Cancel	

Figure 2-92. Edit User Group Input Form, Page 2

Multiple pages are provided, listing each command on the system. This includes all commands available from the Manager, Reports and Trouble Tracking tasks (this also applies to the subset of these commands directly accessible using the Monitor or Map tasks). The commands are grouped by task, and arranged as they appear on the menu hierarchy, with submenu names included to provided context.

To place an individual command in a user group, the value yes must be entered in the appropriate column. A blank means no user permission for the command. **Blank** is the default.

For commands that apply to a specific device type package (e.g., multiplexers, DCE, etc.), permission can be granted only if the particular package is installed. The fields for commands that belong to a package not installed will be pre-populated with the value  $\mathbf{n/a}$ , for not applicable, to indicate they cannot be assigned. Commands can be assigned to multiple user groups. It is possible for a command to not belong to any user group (other than the System Administrator).

The system is shipped with four user groups already defined: *Help Desk, Data Technician, Manager* and *Administrator.* These user groups provide command authorizations thought to be appropriate to the job functions named. These group definitions may be used to easily create new groups using the **FillForm** feature. The remaining 26 groups will initially use the group number as the name, and will restrict access to all commands. User group names can be changed or assigned by modifying the value displayed in the **User groups** field. Group names can be up to 20 characters in length.

#### Edit User Group Results Form

This results form (Figure 2-93) displays a message, indicating the success or failure of the update.



Figure 2-93. Edit User Group Results Form

# Edit User Profile (edup)

Use the *edup* command to edit an existing user profile record. A user profile defines a user's login and password to the NMS, assigns system printer access, command access, and modem and multiplexer access.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	edup Alternate: chup
Restrictions:	If the <i>edup</i> command is included in a routine, you should not change the password when the routine is executed.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create User Profile (crup) Delete User Profile (dlup) Display User Profile (dsup)

## Edit User Profile Input Form

There a two pages for this input form. Page 1 enables you to enter a User ID. Page 2 enables you to enter your password. The System Administrator can modify all fields; other users can modify only their password and remote printer assignment. Refer to the Create User Profile (*crup*) command for more information.

## Page 1

This input form contains the following fields.

#### **User ID** (*Required field*)

This field is displayed only to the System Administrator. The System Administrator must enter the User ID whose profile is to be modified. The System Administrator can enter any existing User ID. The NMS automatically displays the User IDs. Only the System Administrator can change this entry to another User ID.

#### Password (Required field)

This field is displayed to users other than the System Administrator. Users other than the System Administrator must enter their password to change their user profile.

When you are through editing the requested record, click on Go (or press F2) to execute the command. A results screen displays informing you that the specified user profile has been updated.
# Page 2

# Change password

Enter **no** for password to remain unchanged. This is the default value.

Enter **yes** to change the password. After **yes** is entered, the **new password** field is displayed.

## New password

Enter the new password for the user, as defined in the password description for the Create User Profile (*crup*) command. After the new password is entered, the **Re-enter password** field is displayed.

## **Re-enter** password

Retype the same characters for the password.

The remaining fields and input forms that display are the same as the ones used for the Create User Profile (*crup*) command. Refer to the Create User Profile (*crup*) command for more information on those fields and forms.

# NOTE

The remaining fields and input forms are display-only for users other than the System Administrator.

# **Edit User Selection Criteria (edusc)**

Use the *edusc* command to specify the alerts that should display on your Network Monitor and Network Map. The selection criteria you specify applies only to your Network Monitor and Network Map. The subset of alerts to be displayed is determined by the criteria you specify in the Edit User Selection Criteria (*edusc*) input form.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	edusc
Restrictions:	Changes made by the <i>edusc</i> command are not reflected dynamically within open Map and Monitor windows. These tasks must be closed, then reopened for the selection criteria changes to be reflected.
Routine:	Yes
Schedule:	Yes
Related Commands:	None

# Edit User Selection Criteria Input Form Page 1

A sample of this input form is shown in Figure 2-94.

	System Management EDIT USER SELECTION CRITERIA	Page 1
User ID:	admin	
Device type(s):	<u>e</u> 11	
Model(s):	all	
Device(s):	<u>all</u>	
Alert(s):	all	
Priority(s):	<u>all</u>	
Help Go	ClrFld PrevFld MainMenu FillForm Defaults Ca	ancel

Figure 2-94. Edit User Selection Criteria Input Form, Page 1

This input form contains the following fields.

## User ID

Displays your User ID. This field cannot be edited.

## **Device type(s)**

Specifies the type(s) of device(s) whose alerts are to be displayed. Multiple entries and the keyword **all** are accepted. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

## Model(s)

Enter the device model number(s) whose alerts are to be displayed. Multiple entries and the keyword **all** are allowed. See Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

#### Device(s)

Specifies the device(s) whose alerts are to be displayed. Device(s) can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

## Alert(s)

Specifies the alerts to be displayed. Enter either Alert types or Alert group names. Multiple entries and the keyword **all** (default value) are allowed. See the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information.

#### **Priority(s)**

Specifies the priority level of alerts to be displayed. Possible entries are 1 (major), 2 (minor), and 3 (warning), or the keyword **all**. Multiple entries are allowed.

# **Edit User Selection Criteria Input Form Page 2**

This input form contains the following fields. This page determines which devices and sites will be displayed on the user's Network Map.

#### User ID

Displays your User ID. This field cannot be edited.

## **Device type(s)**

Specifies the type(s) of device(s) whose alerts are to be displayed. Multiple entries and the keyword **all** are accepted. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

# Model(s)

Enter the device model number(s) whose alerts are to be displayed. Multiple entries and the keyword **all** are allowed. See Appendix A, *Device Model Numbers*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide*.

A sample of this input form is shown in Figure 2-95.

۲ <u>.</u>	Manager		
	EDIT USER SELECTION CRITERIA	Page	2
	MAP SUBNETWORK DISPLAY SELECTION:		
User ID:	admin		
Device type(s);	<u>2</u> 11		
Model(s):	all		
Device(s):	all		
Sites(s);	all	_	
		_	
Help Go	ClrFld PrevFld MainMenu FillForm Defaults (	Cancel	

Figure 2-95. Edit User Selection Criteria Input Form, Page 2

# Device(s)

Specifies the device(s) whose alerts are to be displayed. Device(s) can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

## Site(s)

Enter the site name(s) whose alerts to be displayed. Multiple entries and the keyword **all** (default value) are allowed.

Click on Go (or press F2) to execute the command.

# **Edit User Selection Criteria Results Form**

This results form displays a message, indicating the success or failure of the update.

# Edit Vendor Profile (edvp)

Use the *edvp* command to edit an existing vendor profile. Vendor profiles are created either manually via the Create Vendor Profile (*crvp*) command, or automatically by NMS whenever a new vendor name is added to a device or facility profile.

If the **Vendor name** field in the vendor profile is edited, all device and facility profiles that reference the old vendor name are updated to reflect the new name.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edvp
<b>Restrictions:</b>	Only one vendor profile can be edited at a time.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Vendor Profile (crvp) Delete Vendor Profile (dlvp) Display Vendor Profile (dsvp)

# **Edit Vendor Profile Input Form**

This input form contains the following field.

# Vendor name (Required field)

Specifies the name of the vendor. Enter an existing vendor name whose profile is to be modified.

Refer to the Create Vendor Profile (*crvp*) command for a description of the fields in the vendor profile.

Click on Go (or press F2) to execute the command.

# Edit Workstation Configurations (edwc)

Use the *edwc* command to edit the workstation configuration data stored in NMS. When this command is entered, NMS displays the table of workstation configuration records.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	edwc
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Display Workstation Configurations (dswc)

# **Edit Workstation Configurations Input Form**

There are four pages for this input form. All the pages are the same as Page 1. A sample of this input form is shown in Figure 2-96.

	System Management Page 1
Workstation name Mario Edgar Bart Rita 	Type     Status       80-98709-998     active       80-87698-099     equipped       87-65433-980     suspended       09-98765-098     active
Help Go ClrFlc	PrevFld MainMenu FillForm Defaults Cancel

Figure 2-96. Edit Workstation Configurations Input Form

This input form contains the following fields.

# Workstation name

Specifies a unique, user-defined name for the workstation.

# Туре

Identifies the model number of the workstation.

## Status

Indicates the status of the workstation. Possible values are

- **active** Equipped and active.
- **equipped** Physically configured, but not being used in the system.
- **suspended** Equipped, but temporarily suspended from usage.

A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **Edit Workstation Configurations Results Form**

A results form displays a message, indicating the success or failure of the edit.

# **Export File Configuration (efc)**

Use the *efc* command to configure the uucp port and the uucp files for the UUCP connection from the 6800 Series NMS to the ACCUMASTER Integrator (AMI). This connection is used for the transfer of export files containing 6800 site, facility and device profile information.

Access Level:	System Administrator
Abbreviation:	efc
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	Create Export File (cref) Delete Export File (dlef) Edit Port Configurations (edpc) Send Export File (snef)

# **Export File Configuration Input Form**

This input form contains the following fields.

#### **Board-Port**

Enter the port number of the port to be configured. You may only select a port that has not been configured via the Edit Port Configurations (*edpc*) command.

#### Туре

Specify the type of port connection to be configured. Select **ddd** for a dial port or **direct** for a local connection to the AMI.

#### Modem type

Specify the modem type if **ddd** was selected for the **Port type**. If **direct** was selected, this field is automatically populated with **n**/**a**. A pop-up menu is available listing valid selections.

#### State

Indicate whether the port is being added (enabled) or deleted (none).

#### Speed

Enter the speed (in bps) of the port or modem.

# **Destination name**

Enter the node name of the destination AMI.

# **Destination password**

Enter the password for the uucp login on the destination AMI.

## **Destination telephone**

Enter the telephone number of the uucp modem on the destination AMI when a modem is configured for a port type of **ddd**. If **direct** was selected, this field is automatically populated with **n**/**a**.

# **Device mapping**

Enter the device mapping type for the file export feature. This field instructs the Create Export File (*cref*) command to map either the device address or device name into the equipment ID of the equipment object class in the AMI. Existing AMI user have the data stored in the AMI with device address as the equipment ID. New AMI users should select **device name** to store the data in the AMI with the device name as the equipment ID. The mapping is also done for the endpoint names in the circuit object class in the AMI.

Click on Go (or press F2) to execute the command.

# **Edit Export File Configuration Results Form**

This results form displays a message, indicating that the success or failure of the edit.

# List Device Group (Isdg)

Use the *lsdg* command to list all devices currently part of a particular device group.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	lsdg
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Edit Device Group (eddg) Display Device Group (dsdg)

# List Device Group Input Form, Page 1

A sample of this input form is shown in Figure 2-97.

 Manager		
LIST DEVICE GROUP	Page	1
Device group: 1		
Destination for results: Sueue		
Schedule execution: now		
Help Go ClrFld PrevFld MainMenu FillForm Defaults	Cancel	

Figure 2-97. List Device Group Input Form, Page 1

This input form contains the following field.

Device group (Required field)

Input the name or number of a device group on the system. The device group name can be up to 15 characters in length. Valid device group numbers are from **1** through **50**. A pop-up menu is available listing the valid device group names and numbers.

# List Device Group Results Form

The results can be sent to a system printer. A printed example is shown in Figure 2-98.

		RESULTS	- LIST DEVICE GR	OUP Page 1
Devi	ce group:	: cc-3		
Name	Type	Model	Site	Network
ap1-22066	apl	3483-12	unnamed	
ts8cc3c1p	apl	3460-32	unnamed	
app1-22773	apl	3460-12	unnamed	
ts1cc3c1p	apl	3433-02	middletown	realmod2
ts1cc3t1p	apl	3433-02	largo	realmod2
ts4cc3c2p	apl	3433-02	houston	realmod2
ts4cc3t2p	apl	3433-02	montreal	realmod2
ts5cc3c1p	api	3463-12	middletown	realmod2
ts5cc3t1p	apl	3463-12	largo	realmod2
ts7cc3c1m	apl	3433-02	largo	realmod2
ts7cc3t1m	apl	3433-02	taiwan	realmod2
ts7cc3t2m	apl	3433-02	melbourne	realmod2
tsxcc3c1p	apl	3430-02	ewa-bch-hi	realmod2
ts8cc3t1p	apl	3430-02	ewabeach-hi	realmod2
********	******	****** END	OF RESULTS ****	******
Start time:	Tue Aug	10 17:19:40	Completion ti	me: Tue Aug 10 17:27:36
				493-14325

Figure 2-98. List Device Group Results Form

# List Device Profile (Isdp)

Use the *lsdp* command to obtain a list of device profiles. NMS lists all device profiles matching the criteria specified by the user in the command's input form.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lsdp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Device Profile (crdp) Delete Device Profile (dldp) Display Device Profile (dsdp) Edit Device Profile (eddp) Device Inventory Report (dir) – accessed from Trouble/Inventory Reports tasks

# List Device Profile Input Form

A sample of this input form is shown in Figure 2-99.

	System Management LIST DEVICE PROFILE	Page 1
Device(s): <u>E</u> ll		
Device type:		
Site name:		
Vendor name:		
Purchased/Leased:		
Destination for results:	crt	
Schedule execution:	now	
Help Go ClrF1	d PrevFld MainMenu FillForm Defau	lts Cancel

Figure 2-99. List Device Profile Input Form

This input form contains the following fields.

## Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. The wildcard characters (\*?!) are allowed.

# **Device type**

Specifies the type of device(s) to be used as the search criteria. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections. Only a single device type may be specified.

## Site name

Specifies the name of the site to be used as search criteria.

#### Vendor name

Specifies the name of the vendor to be used as search criteria.

# Purchased/Leased

Identifies whether the results are to list **purchased** or **leased** devices. A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# List Device Profile Results Form

The results form lists the device profiles matching your specifications. A sample of this form is shown in Figure 2-100.

	System Management RESULTS - LIST DEVICE PROFILE	Page 1
Device address: Device name: Device type: Serial number: Date installed: Site name: Vendor name:	4/6/1 x4050 apl Model number: ser- Purchased/Leased: jackpot att-paradyne	
Device address: Device name: Device type: Serial number: Date installed: Site name: Vendor name:	4/12/2 x0254 apl Model number: 3440-22 ser- Purchased/Leased: sykeston att-paradyne	
Help	PrevMenu MainMenu PrevForm (	Cancel

Figure 2-100. List Device Profile Results Form

Refer to the Create Device Profile (*crdp*) command for a description of the form fields.

# List Facility Profile (Isfp)

Use the *lsfp* command to obtain a list of facility profiles. NMS lists all facility profiles matching the criteria specified by the user in the input form.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lsfp
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Facility Profile (crfp) Delete Facility Profile (dlfp) Facility Inventory Report (fir) – accessed from Trouble/Inventory Reports task Display Facility Profile (dsfp) Edit Facility Profile (edfp)

# List Facility Profile Input Form

A sample of this input form is shown in Figure 2-101.

	System Management LIST FACILITY PROFILE	Page 1
Facility name(s):	fac-	
Facility type:		
Device(s);	all	
Vendor name:		
Destination for results:	crt	
Schedule execution:	now	
Help Go ClrFl	d PrevFld MainMenu FillForm Defaults Ca	ancel

Figure 2-101. List Facility Profile Input Form

This input form contains the following fields.

#### Facility name(s)

Identifies the facility name(s) to be used in the search criteria. Multiple entries, the keyword **all**, and the wildcard character (\*) are allowed.

# Facility type

Identifies the facility type to be used in the search criteria. Enter any existing facility type. Only one facility type can be specified.

#### Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### Vendor name

Identifies the name of the vendor to be used as search criteria.

Click on **Go** (or press **F2**) to execute the command.

# List Facility Profile Results Form

The results form lists the facility profiles matching your specifications. A sample of this form is shown in Figure 2-102.

RESULT	System≬ S – LIST Fi	lanagement ACILITY PROFILE	-		Page	<b>3</b> 1
Facility name: 004 Endpoint 1 device name: Endpoint 2 device name:	node-20 ×0308	Facility	type:	Τ1		
Bandwidth: Date installed: Vendor name:		Bandwidth	units: Usage:			
Facility name: 22 Endpoint 1 device name: Endpoint 2 device name:	node-18 pea-60	Facility	type:	Τ1		
Bandwidth: Date installed: Vendor name:	pea oo	Bandwidth	units: Usage:			
Help	PrevMenu	MainMenu Pre	vForm		Cancel	

Figure 2-102. List Facility Profile Results Form

Refer to the Create Facility Profile (*crfp*) command for a description of the form fields.

# List Queue Results (Isqr)

Use the *lsqr* command to list the items stored in your Manager results queue. The list queue results output includes the index number, command or routine name associated with the index number, and the starting date and time of each command/routine execution.

The *lsqr* command is accessible from each task with an associated queue. Refer to the other sections in the manual for information on this command for Trouble/Inventory Reports and Trouble Tracking tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lsqr
Restrictions:	Lists only the contents of the Manager queue. Must use the <i>lsqr</i> command in the Trouble/Inventory Reports and Trouble Tracking tasks to list the results of those queues.
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Queue Results (dlqr) Display Queue Results (dsqr)

# **List Queue Results Input Form**

This input form contains the following fields.

#### **User ID** (*Required field*)

Your User ID is automatically displayed. Only the System Administrator can specify a User ID other than his/her own.

#### Number of results in queue

Identifies the number of items in the queue.

#### **Renumber list** (*Required field*)

Requests a consecutive renumbering of the queue results list. Previously queued results could have been deleted (using the *dlqr* command) from any position within the consecutively numbered list. By entering **yes**, you consecutively renumber the list to fill in those gaps. If you enter **no**, then the list is not renumbered.

A pop-up menu lists the valid selections.

# NOTE

For the Manager queue, if the number of results in a queue reaches 50 and there are empty positions within the list numbering, the next set of results sent to the queue causes NMS to renumber the list automatically. A mail message is sent if this occurs.

Click on Go (or press F2) to execute the command.

# List Queue Results, Results Form

A sample of this results form is shown in Figure 2-103.

User ID: admin	
INDEX NO. COMMAND OR ROUTINE NAME START T	TIME
1 id Wed Dec 18   2 id Wed Dec 18   3 det Thu Dec 19   4 dit Thu Dec 19	16:16:45 23:00:01 20:00:03 22:00:03
**************************************	************* 0 13:41:30

Figure 2-103. List Queue Results Form, Manager Task

This results form contains the following fields.

# INDEX NO.

Lists the index number(s) automatically assigned to each queue results record.

## COMMAND OR ROUTINE NAME

Lists the specific queue results items by command or routine name.

# START TIME

Lists the start time of each command/routine execution.

# List Routines (Isr)

Use the *lsr* command to list personal and/or system routines. A Help Desk, Data Technician, Manager, or Administrator level user can list his/her own personal or system routines. The System Administrator can list his/her own personal or system routines as well as those of other users on the system.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lsr
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Routine (crr) Copy Routine (cpr) Delete Routine (dlr) Display Routine (dsr) Edit Routine (edr)

# **List Routines Input Form**

This input form contains the following fields.

User ID (Can be used by System Administrator only)

NMS displays your User ID. Only the System Administrator can change this entry to any User ID on the system. *For the System Administrator only*, a pop-up menu is available listing valid User IDs.

#### **Routines** (Required field)

Specifies the which routine types NMS should list. Valid entries are

- **personal** = To list personal routines only.
- **system** = To list system routines only.
- all = To list both personal and system routines.

A pop-up menu is available listing valid selections.

Click on Go (or press F2) to execute the command.

# **List Routines Results Form**

A sample of this results form is shown in Figure 2-104. If system routines are listed, the form indicates whether or not one or more ADR criteria records exist for each system routine.

	System Ma RESULTS - LI	anagement ST ROUTINES	Page 1
PE	RSONAL ROUTINES diag-01 diag-03 test-01		
SY	STEM ROUTINES sys-diag-01	ADR CRITE yes	RIA
**************************************	******** END OF 20 13:42:20	RESULTS ********* Completion time:	**************************** Fri Dec 20 13:42:21
Help	PrevMenu	MainMenu PrevForm	Cancel

Figure 2-104. List Routines Results Form

# List Scheduled Items (Issi)

Use the *lssi* command to list the commands and routines scheduled under your User ID. The list includes the index number, name, and execution schedule for each item (items list in the order of increasing index number).

NMS schedules items separately for the Manager, Trouble/Inventory Reports and Trouble Tracking tasks. The input and results form a slightly different for each task.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lssi
<b>Restrictions:</b>	None
Routine:	Yes
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) Display Scheduled Items (dssi)

# List Scheduled Items Input Form

This input form contains the following field.

# User ID

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID. *For the System Administrator*, a pop-up menu is available listing other User IDs on the system.

Click on Go (or press F2) to execute the command.

# List Scheduled Items Results Form

A sample of this results form is shown in Figure 2-105. This form displays the index number, name, schedule type, and execution schedule for the routine, test, or command. The last scheduled date of execution appears, if it has been specified by the user.

	System RESULTS – LIST	Management SCHEDULED ITE	MS	Page 1
	User	ID: admin		
Index Number	Command or Routine Name	Schedule Execution	Next Execution	Last Date
1 2 3 4	det det dit det	delayed delayed monthly weekly	12/20 20:00 12/20 20:00 12/31 23:00 12/33 01:00	12/31 12/31
***************** Start time:	****** END 0 Fri Dec 20 13:50:58	F RESULTS *** Completion	**************************************	20 13:50:58
Help	PrevMen	u MainMenu Pr	revForm	Cancel

Figure 2-105. List Scheduled Items Results Form, Manager Task

# Manage Automatic Backup (mab)

Use the *mab* command to specify the scheduling and execution criteria for automatic backup. Automatic backup feature can be turned on or off. This command provides a sophisticated backup system which populates a hot spare for an immediate backup in case of disaster. Using this command requires having a duplicate system (hardware and software) with three hard drives installed. Therefore, this command should not be used for any other purpose except as described in this command description.

Access Level:	Administrator
Abbreviation:	mab
<b>Restrictions:</b>	Accessible only to the System Administrator
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Manage Automatic Restore (mar)

# Manage Automatic Backup Input Form

The input form consists of three identical pages, each allowing the specification of a particular backup. You cannot specify more than one backup per machine as origination or destination. A single host system can be configured to back up on one, two, or three backup systems.

The input forms contain the following fields.

# **Automatic Backup**

Enter **YES** or **NO** to specify whether the automatic backup feature should be turned on and performed. This field has an initial value of **NO**. By changing the field to **YES**, the remaining fields on the page become required fields with the exception of the origination and destination UIP fields. A pop-up menu is available listing valid selections.

# Frequency

Enter **now, daily, weekly, monthly** to specify at what intervals you want the backup to occur. The value entered on Page 1 for this field, excepting the value **now**, is propagated to the **Frequency** fields on all subsequent pages of the input form where the field is display-only. A pop-up menu is available listing valid selections.

# Day/Date

Enter either the day of the week (Monday - Sunday) or the date of the month on which you want the backup to occur. This field appears only if **weekly** or **monthly** is specified in the **Frequency** field.

#### Time

Speci forma	fy the time at <i>hh:mm</i> .	-of-day at which the NMS should start the automatic backup. Use the
	Where:	<i>hh</i> is hours, a number from 00 through 23
		<i>mm</i> is minutes, a number from 00 through 59
This field appe	ears only if	now is not specified in the Frequency field.
Origination:		
Host		
	Specify are take	the name of the host processor from which database files and directories on for the backup.
UIP1		
	Specify	the name of the first UIP connected to the origination host processor.
UIP2		
	Specify	the name of the second UIP connected to the origination host processor.

## **Destination:**

#### Host

Specify the name of the host processor where the backup files should be sent. This field also establishes where the matching restore should occur.

# UIP1

Specify the name of the first UIP connected to the destination host processor.

### UIP2

Specify the name of the second UIP connected to the destination host processor.

# Manage Automatic Backup Results Form

The Manage Automatic Backup results form displays a message indicating that the parameters of the automatic backup feature have been updated.

# Manage Automatic Restore (mar)

Use the *mar* command to specify the scheduling and execution criteria for automatic restore. Automatic restore feature can be turned on or off. This command provides a sophisticated backup system which populates a hot spare for an immediate backup in case of disaster. Using this command requires having a duplicate system (hardware and software) with three hard drives installed. Therefore, this command should not be used for any other purpose except as described in this command description.

Access Level:	Administrator
Abbreviation:	mar
<b>Restrictions:</b>	Accessible only to the System Administrator
Routine:	Yes
Schedule:	Yes
<b>Related Commands:</b>	Manage Automatic Backup (mab)

You cannot specify more than one backup per machine as origination or destination. A single host system can be configured to backup on one, two, or three backup systems. See the Manage Automatic Backup (*mab*) command.

# Manage Automatic Restore Input Form

The input form consists of three identical pages, each allowing the specification of a particular restore.

The input forms contain the following fields.

#### **Automatic Restore**

Enter **YES** or **NO** to specify whether the automatic restore feature should be turned on and performed. The default is **NO**. By changing the field to **YES**, the remaining fields on that page of the input form become required fields.

#### Frequency

The value entered on Page 1 of the *mab* command input form for this field, excepting the value **now**, is propagated to the **Frequency** fields on all pages of this input form. You may modify this field on Page 1 of the *mar* command input form. The **Frequency** field on Pages 2 and 3 are display-only. Enter **now**, **daily**, **weekly**, or **monthly** to specify at what intervals you want the restore to occur. A pop-up menu is available listing valid selections.

## Day/Date

Enter either the day of the week (Monday—Sunday) or the date of the month on which you want the restore to occur. This field appears only if **weekly** or **monthly** is specified in the **Frequency** field.

#### Time

Specify the time-of-day at which the NMS should start the automatic restore. Use the format hh:mm.

Where:hh is hours, a number from 00 through 23mm is minutes, a number from 00 through 59

This field appears only if now is not specified in the **Frequency** field.

# **Destination Host**

Displays the name of the target host processor for the restore. The value in this field is determined by the values specified when the *mab* command is executed.

# Manage Automatic Restore Results Form

The Manage Automatic Restore results form displays a message indicating that the parameters of the automatic restore feature have been updated.

# Send Export File (snef)

Use the *snef* command to send an export file to the ACCUMASTER Integrator (AMI). Export files are used to supply the AMI with configuration information from the 6800 Series NMS.

You can send either a base file and update file with the *snef* command. The base file is created and sent when the initial profile data is supplied to the AMI. Normally, it should not be created or sent a second time because it will contain the data that the AMI already has in its database. The update file contains only that profile information which changed since the last export file (either base or update) was created. The update file is created and sent when updates to the AMI's configuration data are needed due to incremental changes made in the 6800 Series device, facility, and/or site profiles.

When you execute the *snef* command, the NMS attempts to establish connection with the specified AMI, and copy the specified export file (base or update) to the user login/directory/file named.

Once the export file is sent to the AMI, the AMI user can retrieve these files using the AMI receive and export commands.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	snef
Restrictions:	The results form indicates only that the file was sent; it does not ensure that the transfer was successful. If a failure occurred, the results may or may not correctly indicate this, depending on the cause of the failure.
Routine:	Yes
Schedule:	Yes
Related Commands:	Create Export File (cref) Delete Export File (dlef) Export File Configuration (efc)

# Send Export File Input Form

This input form contains the following field.

File type (Required field)

Specifies the type of export file to be sent. Valid entries are **base** and **update**. A pop-up menu is available listing the valid selections.

# Send Export File Results Form

This results form indicates that the type of file specified was sent.

# NOTE

The results form indicates only that the file was sent; it does not ensure that the transfer was successful. If a failure occurred, results may or may not correctly indicate this, depending on the cause of the failure.

# Set Date/Time (sdt)

Use the *sdt* command to change the date and time of the network management system clock. Typically, this command would be used to correct the date and time after a system power-up.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	System Administrator
Abbreviation:	sdt
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	None

# Set Date/Time Input Form

This input form contains the following fields.

#### Date

The current system date is displayed. Enter the date in the format **mm/dd/yy** (month/day/year).

#### Time

The current system time is displayed. Enter the time in the format **hh:mm:ss** (hours:minutes:seconds) using the 24-hour clock or AM/PM format.

Click on Go (or press F2) to execute the command.

# Set Date/Time Results Form

This results form displays the changed date and time.

# Trouble/Inventory Reports Task Commands

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Alert Report Summary (ars)	3-2
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# **Overview**

This chapter provides command descriptions for the Trouble/Inventory Reports task.

# Alert Report Summary (ars)

Use the *ars* command to display or print a summary of all or specific historical alerts. The report displays the network name, alert type, counts of alerts, aggregate alert duration, and mean alert duration. You determine the records to be included in the report and the order in which they are sorted by specifying the information on the input form. This report will include all historical alerts meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Help Desk, Data Technician, Manager, Administrator
ars
None
No
Yes
ATR Report (atrr) Delete Alert History (dlah) – accessed from the Manager task Detailed Alert Report (dar)

# **Alert Report Summary Input Form**

There are two pages for this input form. Page 1 enables you to specify selection criteria. Page 2 enables you to specify the output criteria. Samples of Pages 1 and 2 are shown in Figures 3-1 and 3-2.

# Page 1

	Trouble/Inventory Reports ERT REPORT SUMMARY	Page	3
SELECTION CRITERIA Device(s):	B	-	
Device type(s):		 	
Date(s) included: Time interval:	to today 00:00 to 23:59		
Alert duration: Alert group(s): Alert type(s):	00:00:01		
		MORE	
F1=Help F2=Go F3=ClrFld F4=Prev	/Fld F5=MainMenu F6=FillForm F7=Defaults	F8=Canc	el

# Figure 3-1. Alert Report Summary Input Form, Page 1

This input form contains the following fields.

# SELECTION CRITERIA

#### Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

# **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. The keyword **all** is accepted. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Date(s) included (Required field)

Specifies a date interval restricting the report only to those alerts received by NMS within that interval. The selections are used in pairs to choose intervals, or individually to choose specific dates. Valid entries are

• today	= The current date. This is the default option for the <b>to</b>
	field.

- **today-nn** = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### Time interval (Required field)

Specifies a time interval for those alerts received by NMS within the date interval entered in the **Date(s) included** field. Enter times in pairs to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, the report is generated using the time entered in the first field until midnight (**23:59**). Entering a time in the second field only indicates that the report is to be generated from **00:00** until the time entered in the second field.

You can enter either military time (**00:00** through **23:59**) or standard time (**12:00** am through **11:59** pm). For standard time, entering a time without the am/pm designation defaults to the am designation. Leaving these fields blank defaults to a 24-hour interval (**00:00** through **23:59**).

#### Alert duration (Required field)

Enter the minimum amount of time for which the alert had to exist to be included in this report. The format for this field is **hh:mm:ss**, where **hh** is the number of hours, **mm** is the number of minutes, and **ss** is the number of seconds. The default value is **00:00:01**.

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Alert type(s)

Specifies one or more alert types.

# Page 2



# Figure 3-2. Alert Report Summary Input Form, Page 2

This input form contains the following fields.

# OUTPUT CRITERIA

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### **Sort sequence** (*Required field*)

Enter the sequence in which the report items are to be sorted. The default sort sequence is the order in which the sort listing is presented on the pop-up menu.

The order of the columns across the top of the report is determined by the sort sequence you select, followed by the remaining fields that cannot be sorted. If you select to sort less than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only Alert Type was chosen, the column order is Alert Type, then Network Name, followed by the other fields in the report. A pop-up menu is available listing valid selections.

Press F2 to execute the command.
## Alert Report Summary Results Form

	T	rouble/Inventory Repo	orts	S
	RESULTS - A Alert I	LERT REPORT SUMM Report Summary	IARY	Page 1
Network Name	Alert Type	Alert Count	Total Duration	Mean Duration
coraopo coraopo coraopo	fa nr pf	2 4 33	00:00:32 00:10:44 05:42:37	00:00:16 00:02:41 00:10:22
F1=Help	F4=Previ	Menu F5=MainMenu	. F6=PrevForm	MORE F8=Cancel∎

A sample of this results form is shown in Figure 3-3.

Figure 3-3. Alert Report Summary Results Form

# **NOTE** You can scroll the screen from left to right using the arrow keys to view the entire report.

## ATR Report (atrr)

Use the atrr command to generate a summary of Automatic Trouble Reports (ATRs) that are associated with automatically generated trouble tickets. Since the NMS only stores records of ATRs associated with automatically generated trouble tickets, the ATR report does not include counts of ATRs not associated with an automatically generated trouble ticket.

You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report will include all ATR reports meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	atrr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Alert Report Summary (ars) Detailed Alert Report (dar)

## **ATR Report Input Form**

There are two pages for this input form. Page 1 enables you to specify selection criteria. Page 2 enables you to specify the output criteria. Samples of Pages 1 and 2 are shown in Figures 3-4 and 3-5.

## Page 1

	Trouble/Inventory Reports ATR REPORT	Page 1
SELECTION CRITERIA Device(s):	<b></b>	-
Device type(s):		-
Date(s) included: Time interval:	to today 00:00 to 23:59	
Alert group(s): Alert type(s): Call status:		
		MORE
F1=Help F2=Go F3=ClrFld F4=Prev	/Fld F5=MainMenu F6=FillForm F7=Default F	3=Cancel

## Figure 3-4. ATR Report Input Form, Page 1

This input form contains the following fields.

#### SELECTION CRITERIA

#### **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Date(s) included (Required field)

Specifies a date interval restricting the report to only those\E ATR reports triggered by alerts received by NMS within that interval. The selections are used in pairs to choose intervals, or individually to choose specific dates. Valid entries are

• today	= The current date. This is the default option for the <b>to</b> field.
• today-nn	= The current date minus <b>nn</b> number of days.
• first	= The first date for the current month.
• mm/dd/yy	= The month, day, and year.
• blank	= The earliest date for which the system stores data. This is

the default for the **from** field.

#### Time interval (Required field)

Specifies a time interval for those alerts received by NMS within the date interval entered in the **Date(s) included** field. Enter times in pairs to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, the report is generated using the time entered in the first field until midnight (**23:59**). Entering a time in the second field only indicates that the report is to be generated from **00:00** until the time entered in the second field.

You can enter either military time (00:00 through 23:59) or standard time (12:00 am through 11:59 pm). For standard time, entering a time without the am/pm designation defaults to the am designation. Leaving these fields blank defaults to a 24-hour interval (00:00 through 23:59).

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Alert type(s)

Specifies one or more alert types.

#### Call status

Specifies whether the report should include successful ATRs, failed ATRs, or both.

To generate a report which includes only successful ATRs, enter **success**. To generate a report which includes failed ATRs, enter **failure**. To generate a report which includes both, leave this field blank.

## Page 2

	Trouble/Inventory Reports ATR REPORT	Page	<b>3</b> 2
OUTPUT CRITERIA			
Title:	ATR Report		
Display device address?	no		
Destination for results:	crt		
Schedule execution:	now		
F1=Help F2=Go F3=ClrFld F4=	PrevFld F5=MainMenu F6=FillForm F7=Default H	F8=Cance	l

## Figure 3-5. ATR Report Input Form, Page 2

This input form contains the following fields.

## **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### **Display device address?** (*Required field*)

Specifies whether you want the device address to appear on the report. Enter **yes** or **no**. If **yes**, the device address appears above the device name.

Press F2 to execute the command.

## ATR Report Results Form

	Trout	ole/ Inventory R	eports RES	ULTS - ATR REF	PORT
Destination	Call Date/Time	Call Status	Ticket Number	Device Name	Device Type
9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600 9578600	6/16/92 16:30:25 6/16/92 16:30:35 6/16/92 16:30:55 6/16/92 16:30:55 6/16/92 16:31:55 6/16/92 16:31:15 6/16/92 16:31:25 6/16/92 16:31:35 6/16/92 16:31:55 6/16/92 16:32:15 6/16/92 16:32:15 6/16/92 16:32:5 6/16/92 16:32:5 6/16/92 16:32:45 arrow key to horizo F4=PrevMer	ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL ATR-FAIL	4 5 6 7 8 9 10 11 12 13 14 15 14 15 17 18 17 18 10 to th 70 F6=Pr	m0000-rj284 m0000-rj284 m0000-rj284 d097-1 d097-1 tusa-013 tusa-013 tusa-013 tusa-013 tusa-014 tusa-014 tusa-014 tusa-014 tusa-014 eright.	apl apl apl apl apl apl apl apl apl apl

A sample of this results form is shown in Figure 3-6.

Figure 3-6. ATR Report Results Form

## NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Connectivity Report (cr)**

Use the *cr* command to generate a tabular report of the connectivity information of all devices and their interconnecting facilities, based on your selection criteria. This report can be generated from a basic-feature workstation to display information found on the connectivity map of a full-feature workstation.

The information generated is a list of all requested source devices residing within each selected site, the facilities that are connected to the source devices, and the destination devices that are connected to the source devices via the associated facilities. A destination device can reside at the same site as a source device, and destination devices can appear as source devices on different records on the report. The device or facility type is also listed as appropriate.

You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report includes all records meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	cr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Device Inventory Report (dir) Device Report Summary (drs) Facility Inventory Report (fir) Facility Report Summary (frs)

## **Connectivity Report Input Form**

	Trouble/Inventory Reports CONNECTIVITY REPORT	Page	<b>3</b> 1
SELECTION CRITERIA Source device(s);	۹		
Source device type(s):			
Site name(s): OUTPUT CRITERIA Title:			
Destination for results:	crt		
Schedule execution:	now		
F1=Heip F2=Go F3=ClrFld F4=	Previd F5=MainMenu F6=FillForm F7=Defaul	ts ⊦8=Can	cel

A sample of this input form is shown in Figure 3-7.

## Figure 3-7. Connectivity Report Input Form

This input form contains the following fields.

#### **SELECTION CRITERIA**

#### Source device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### Source device type(s)

Specifies the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. Multiple entries are also allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

#### Site name(s)

Specifies that only the source device(s) located at the requested site(s) are included in the report. Multiple entries and the wildcard character (\*) are allowed.

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. The title that you enter appears after the system-defined report title on the output.

Press **F2** to execute the command.

## **Connectivity Report Results Form**

A sample of this results form is shown in Figure 3-8.

	Tro	ouble/Inventory Repor	rts		B
		RESULTS - CONNE	CTIVITY REF	PORT	
Site Name	Source Type	Device Name		Destina Type	ation Device Name
casselberry	apl	bsbceo		apl	dt38
		za087		apl	×2346
		zb022		apl	×1107
		zb023		bridge	bridge-89
		zb026		apl	×1055
				apl	×1075
		zd055		bridge	bridge-53
Press the right arrow ke F1=Help	ey to hori: F4=PrevMe	zontally scroll enu F5=MainMenu	to the rig F6=PrevForm	nt. N	MORE F8=Cancel∎

#### Figure 3-8. Connectivity Report Results Form

## NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Delete Queue Results (dlqr)**

Use the *dlqr* command to delete queue results from your Trouble/Inventory Reports results queues. The *dlqr* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's queue. The following command description applies to the Trouble/Inventory Reports task.

The Trouble/Inventory Reports queue holds up to 50 separate queue result records. You need to periodically delete obsolete results to accommodate new results. If your Trouble/Inventory Reports queue is near capacity, NMS sends you a mail message.

Each item stored in your queue is assigned an index number to identify it. The list of items in your queue and their assigned index numbers are available via the List Queue Results (*lsqr*) command.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlqr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Display Queue Results (dsqr) List Queue Results (lsqr)

## **Delete Queue Results Input Form**

This input form contains the following fields.

#### **Login name** (*Required field*)

Your User ID automatically displays. Only the System Administrator can specify the User ID of another user.

### Number of results in queue

Identifies the number of items in the queue.

#### **Index number**(**s**) (*Required field*)

Identifies the queue results item(s) to be deleted. Enter one or more of the following:

- A single index number
- Several index numbers separated by commas or spaces
- A range of index numbers, for example, 1–15 or 7–last.
- The keyword **all** to delete all queue the results.
- The keyword **last** to delete the most recent result in the queue.

Press F2 to execute the command.

### **Delete Queue Results Results Form**

This results form shows your deletion request and the actual number of results messages deleted from the queue.

## **Delete Scheduled Items (dlsi)**

Use the *dlsi* command to delete commands or routines scheduled for execution. You delete scheduled items by specifying the system-assigned index number. A Help Desk, Data Technician, Manager or Administrator level user can delete his/her own scheduled items. The System Administrator can delete his/her own scheduled items as well as other user's scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for execution. Use the List Scheduled Items (*lssi*) command to display a list of your scheduled commands or routines and their assigned index numbers.

NMS schedules items separately for the Manager, Trouble/Inventory Reports and Trouble Tracking tasks. The input and results forms differ slightly for each task.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlsi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	Display Scheduled Items (dssi) List Scheduled Items (lssi)

#### **Delete Scheduled Items Input Form**

This input form contains the following fields.

#### Login name

User ID automatically displays. Only the System Administrator can specify the user ID of another user.

#### Number of items in queue

Shows the number of items scheduled in the Trouble/Inventory Reports task.

#### **Index number(s)** (Required field)

Specify the index number(s) of the scheduled item(s) you want deleted. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, 1–15.
- The keyword **all** (to specify all index numbers). All indices must belong to the specified User ID.

Press F2 to execute the command.

## **Delete Scheduled Items Results Form**

This results form displays a message, indicating the completion of the deletion.

## **Detailed Alert Report (dar)**

Use the *dar* command to list all historical alerts as specified by the selection criteria that you enter. The report displays device name, device address (optional), network name, date, time, duration, and the alert type. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report will include all historical alerts meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dar
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Alert Report Summary (ars) ATR Report (atrr) Delete Alert History (dlah) – accessed from Manager task

## **Detailed Alert Report Input Form**

There are two pages for this input form. Page 1 enables you to specify selection criteria. Page 2 enables you to specify the output criteria. Samples of Pages 1 and 2 are shown in Figures 3-9 and 3-10.

## Page 1

	Trouble/Inventory Reports TAILED ALERT REPORT	Page 1
SELECTION CRITERIA Device(s):	<b></b>	_
Device type(s):		_
Date(s) included: Time interval:	to today 00:00 to 23:59	
Alert duration: Alert group(s): Alert type(s):	00:00:01	
		MORE
F1=Help F2=Go F3=ClrFld F4=Prev	vFld F5=MainMenu F6=FillForm F7=Defaults	F8=Cancel

## Figure 3-9. Detailed Alert Report Input Form, Page 1

This input form contains the following fields.

## SELECTION CRITERIA

#### **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. Device types are unique to applications. The wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE* 6800 Series Network Management System User's/System Administrator's Guide for more information. A pop-up menu is available listing valid selections.

#### **Date(s) included** (*Required field*)

Specifies a date interval restricting the report only to those alerts received by NMS within that interval. The selections are used in pairs to choose intervals, or individually to choose specific dates. Valid entries are

- today = The current date. This is the default option for the to field.
- today-nn = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
  - blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### Time interval (Required field)

Specifies a time interval for those alerts received by NMS within the date interval entered in the **Date(s) included** field. Enter times in pairs to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, the report is generated using the time entered in the first field until midnight (**23:59**). Entering a time in the second field only indicates that the report is to be generated from **00:00** until the time entered in the second field.

You can enter either military time (**00:00** through **23:59**) or standard time (**12:00** am through **11:59** pm). For standard time, entering a time without the am/pm designation defaults to the am designation. Leaving these fields blank defaults to 24 hours (**00:00** through **23:59**).

#### Alert duration (Required field)

Enter the minimum amount of time for which the alert had to exist to be included in this report. The format for this field is **hh:mm:ss**, where **hh** is the number of hours, **mm** is the number of minutes, and **ss** is the number of seconds. The default value is **00:00:01**.

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Alert type(s)

Specifies one or more alert types.

## Page 2

	Trouble/Inventory Reports ETAILED ALERT REPORT	Page	2
OUTPUT CRITERIA		-	
Title:	AppleOrchard		
Sort sequence:	device name,network name		
Display device address?	no		
Destination for results:	crt		
Schedule execution:	now		
F1=Help F2=Go F3=ClrFld F4=	PrevFld F5=MainMenu F6=FillForm F7=Defaults	F8=Can	cel

## Figure 3-10. Detailed Alert Report Input Form, Page 2

This input form contains the following fields.

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### Sort sequence (Required field)

Enter the sequence in which the report items are to be sorted. Each sort entry must be separated by a comma. A pop-up menu lists what sort sequences are available on your system.

The order of the columns in the report is determined by the sort sequence you select followed by the remaining fields that cannot be sorted. If you select to sort less than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only Alert Type was chosen, the column order is Alert Type, then Network Name, followed by other fields in the report.

#### **Display device address?** (*Required field*)

Specifies whether or not you want the device address to appear on the output form. Enter **yes** or **no** (default value). A pop-up menu is available listing valid selections. If **yes**, the device address appears below the device name in the results form.

Press F2 to execute the command.

## **Detailed Alert Report Results Form**

		Trouble/Invent	tory Reports	:		B
		RESULTS - DETAILED ALERT REPORT AppleOrchard				
Device Name	Network Name	Date	Time	Duration	Alert Type	
hickory hickory	apple apple	12/10/91 12/10/91	0:06:38 0:06:40	000:00:02 016:34:50	nr pf	
Press the F1=Help	right arrow key to h F4=Pr	oorizontally °evMenu F5=Ma	scroll to MinMenu F0	o the right 5=PrevForm	t.	MORE F8=Cancel∎

A sample of this results form is shown in Figure 3-11.

Figure 3-11. Detailed Alert Report Results Form

## NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Detailed Trouble Ticket Report (dttr)**

Use the *dttr* command to produce a detailed list of selected trouble tickets. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report includes all trouble tickets meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dttr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Trouble Tickets (dltt) Display Trouble Tickets (dstt) Edit Trouble Tickets (edtt) List Trouble Tickets (lstt) Open Trouble Ticket (optt)

## **Detailed Trouble Ticket Report Input Form**

There are two pages for this input form. Page 1 enables you to specify selection criteria. Page 2 enables you to specify the output criteria. Samples of Pages 1 and 2 are shown in Figures 3-12 and 3-13.

## Page 1

	Trouble/Inventory Reports DETAILED TROUBLE TICKET REPORT	Page 1
SELECTION CRITERIA Device(s): ■		_
Trouble address:		
Device type(s): Alert type(s):	Alert group(s):	
Ticket status: Ticket category(s);	Escalation status: Ticket severity(s):	
		MORE
F1-Help F2-Co F3-CloFld	F4-ProuEld E5-MainManu E6-EillEorm	. E7-Defaulte E8-Cancel
1-neip / 2-00   3-01  10		Der dartes - D-Calleer

## Figure 3-12. Detailed Trouble Ticket Report Input Form, Page 1

This input form contains the following fields.

## SELECTION CRITERIA

#### Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Trouble address**

Specifies the device address of the device at the time the trouble ticket was initially opened. If the device address has been changed, the Trouble address will be identical to the current address of the device. In this case, you do not need to use this field. However, if you want to retrieve a ticket opened on a device using the device's former address, you must use this field. The format and values are the same as for a device address.

### **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

#### Alert type(s)

Specifies one or more alert types.

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Ticket status

Identifies the status of the ticket to be used in the search criteria. Enter one of the following valid status codes: **open, assigned, closed**. You can also enter a user-defined status code. The wildcard character (\*) and keyword **all** are allowed. A pop-up menu is available listing valid selections.

#### **Escalation status**

Specifies the escalation status to be used in the search criteria. Enter either **wait**, **alarm**, or leave the field blank (default value). A pop-up menu is available listing valid selections.

#### Ticket category(s)

Identifies the category to be used in the search criteria. Only tickets from the selected category appear in the report. Enter one of the user-defined codes, auto to select the automatically generated trouble tickets, or **all** to select all trouble tickets. You may enter multiple categories.

#### Ticket severity(s)

Specifies the ticket's severity code to be used in the search criteria. Severity code is any user-defined code, as specified when a trouble ticket is manually opened or edited. Multiple entries are allowed.

## Page 2

	Trouble/Inventory Reports AILED TROUBLE TICKET REPORT	Page	<b>3</b> 2
Opened by: ■ Site name(s):	Assigned to:		
Ticket number(s) from: Date(s) included: Time interval:	to to today 00:00 to 23:59		
OUTPUT CRITERIA Title:			
Sort sequence: ticket stat	us,ticket category,ticket severity,assigned	l to	
Destination for results:	crt		
Schedule execution:	now		
F1=Help F2=Go F3=ClrFld F4=F	PrevFld F5=MainMenu F6=FillForm F7=Defaults	F8=Canc	∍l

## Figure 3-13. Detailed Trouble Ticket Report Input Form, Page 2

This input form contains the following fields.

#### Opened by

Identifies who opened the trouble ticket. Only the trouble tickets opened by the specified user appears in the report. Multiple entries and the wildcard character (\*) are allowed.

#### Assigned to

Identifies who the trouble ticket is assigned to. Only the trouble tickets assigned to the specified user appears in the report. Multiple entries and the wildcard character (\*) are allowed.

#### Site name(s)

Specifies the site(s) to be included in the report. Only the device(s) at the specified site(s) appear in the report. Multiple entries and the wildcard character (\*) are allowed.

#### Ticket number(s)

Enter the starting and ending trouble ticket numbers in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the number entered in the **from** field, or all tickets up to the number entered in the to field are selected. The default range is **all** trouble tickets.

#### Date(s) included (Required field)

Specifies a date interval restricting the report only to those alerts received by NMS within that interval. The selections are used in pairs to choose intervals, or individually to choose specific dates. Valid entries are

•	today	= The current date. This is the default option for the <b>to</b> field.

- **today-nn** = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### Time interval (Required field)

Specifies a time interval for those trouble tickets created within the date interval entered in the **Date(s) included** field. Enter times in pairs to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, the report is generated using the time entered in the first field until midnight (23:59). Entering a time in the second field only indicates that the report is to be generated from **00:00** until the time entered in the second field.

You can enter either military time (**00:00** through **23:59**) or standard time (**12:00** am through **11:59** pm). For standard time, entering a time without the am/pm designation defaults to the am designation. Leaving these fields blank defaults to 24 hours (**00:00** through **23:59**).

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### Sort sequence (Required field)

Enter the sequence in which the report items are to be sorted. Each sort entry must be separated by a comma. The default sort sequence is the order in which the sort listing is presented on the pop-up menu. Valid entries are ticket status, **ticket category, ticket severity**, and **assigned to**. A pop-up menu is available listing valid selections.

The order of the columns across the top of the report is determined by the sort sequence you select followed by the remaining fields that cannot be sorted. If you select to sort less than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only ticket status was chosen, the column order is ticket status, **ticket category, ticket severity**, and **assigned to**.

Press F2 to execute the command.

## **Detailed Trouble Ticket Report Results Form**

		Ti	rouble/ Inventory Rep	ports	B
			RESULTS	- DETAILED TROU rj Site	BLE TICKET REPORT
Ticket Status	Ticket Category	Ticket Severity	Assigned to	Ticket Number	Open Date and Time
open open		3		1 2	6/16/92 10:21:4 6/16/92 10:31:2
Press the F1=Help	right arrow	key to hor. F4=Previ	izontally scrol. Menu F5=MainMenu	l to the right. u F6=PrevForm	MORE F8=Cancel∎

A sample of this results form is shown in Figure 3-14.

Figure 3-14. Detailed Trouble Ticket Report Results Form

## NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Device Inventory Report (dir)**

Use the *dir* command to produce an inventory report consisting of detailed information for devices. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report will include all records meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dir
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
<b>Related Commands:</b>	Device Report Summary (drs)

## **Device Inventory Report Input Form**

There are two pages for this input form. Page 1 enables you to specify selection criteria. Page 2 enables you to specify the output criteria. Samples of Pages 1 and 2 are shown in Figures 3-15 and 3-16.

Page 1

	Trouble/Inventory Reports /ICE INVENTORY REPORT	Page	<b>3</b> 1
SELECTION CRITERIA Device(s):	B		
Device type(s):			
Site name(s):			-
Vendor name(s):			-
Purchased/Leased:			
Inventory status:			
		MORE	:
F1=Help F2=Go F3=ClrFld F4=F	PrevFld F5=MainMenu F6=FillForm F7=Defaults	F8=Cano	el



This input form contains the following fields.

#### SELECTION CRITERIA

#### **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Device type(s)**

Enter the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site name(s)

Specifies the name of the site(s) being selected for the report. Multiple entries and the wildcard character (\*) are allowed.

#### Vendor name(s)

Specifies the name of the vendor(s) being selected for the report. Multiple entries and the wildcard character (\*) are allowed. A pop-up menu is available listing valid selections.

#### Purchased/Leased

Specifies whether you want purchased devices, leased devices, or all devices to be included in the report. Valid values are **purchased**, **leased**. The keyword **all** is also a valid value. A pop-up menu is available listing valid selections.

### **Inventory status**

Specifies that only devices at the requested status will be listed in the report. Valid values are **active**, **on order**, **repair**, **stock**, **removed**. The keyword **all** is also a valid value. A pop-up menu is available listing valid selections.

## Page 2

	Page 2	
OUTPUT CRITERIA Title:	I	
Sort sequence:	vendor name,device type,site name	
Display device address?	no	
Destination for results:	crt	
Schedule execution:	now	
F1=Help F2=Go F3=C1rFld F4=	PrevFld F5=MainMenu F6=FillForm F7=Default	s F8=Cancel

## Figure 3-16. Device Inventory Report Input Form, Page 2

This input form contains the following fields.

## OUTPUT CRITERIA

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### **Sort sequence** (*Required field*)

Enter the sequence in which the report items are to be sorted. The default sort sequence is the order in which the sort listing is presented on the pop-up menu.

The order of the columns across the top of the report is determined by the sort sequence you select followed by the remaining fields that cannot be sorted. If you select to sort less than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only **vendor name** was chosen, the column order is vendor name, then device type and site name. A pop-up menu is available listing valid selections.

#### **Display device address?** (*Required field*)

Specifies whether or not you want the device address to appear on the output form. Enter **yes** or **no**. If **yes**, the device address appears below the device name on the report. A pop-up menu is available listing valid selections.

Press **F2** to execute the command.

## **Device Inventory Report Results Form**

	Trouble/	Inventory Reports	B
	RESULTS - DEVICE INVENTORY REPORT APL Devices		
Vendor Name	Device Type	Site Name	Device Name
att-paradyne	apl	0001-kennedy	×0021
		0004-spain	×0022
		0010-newyork	×0026
		0011-mandan	×0027
		0015-carrington	×0037
		0019-austin	×0043
		0026-seattle	×0046
Press the right arrow key to F1=Help F4=P	horizonta revMenu F	lly scroll to the right. 5=MainMenu F6=PrevForm	MORE F8=Cancel∎

A sample of this results form is shown in Figure 3-17.

Figure 3-17. Device Inventory Report Results Form

## NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Device Report Summary (drs)**

Use the *drs* command to produce a report totaling the number of devices by type on the network. You can optionally constrain the report to list devices at specific sites; by vendors, device types, and inventory status; and by leased or purchased status. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report will include all records meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	drs
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
<b>Related Commands:</b>	Device Inventory Report (dir)

## **Device Report Summary Input Form**

A sample of this input form is shown in Figure 3-18.

	Trouble/Inventory Reports		-	
	DEVICE REPORT SUMMARY	Page		1
SELECTION CRITERIA Device(s):	<u></u>			
Device type(s):				
Site name(s): Vendor name(s): Purchased/Leased: Inventory status:			-	
OUTPUT CRITERIA Title: Sort sequence:	vendor name,device type,site name			
Destination for results:	crt			
Schedule execution:	now			
F1=Help F2=Go F3=ClrFld F4	¤=PrevFld F5=MainMenu F6=FillForm F7=Default	s F8=Car	nce	el -

Figure 3-18. Device Report Summary Input Form

This input form contains the following fields.

## SELECTION CRITERIA

#### **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Device type(s)**

Enter the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) and the keyword **all** are allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Site name(s)

Specifies the name of the site(s) being selected for the report. Multiple entries and the wildcard character (\*) are allowed.

#### Vendor name(s)

Specifies the name of the vendor(s) being selected for the report. Multiple entries and the wildcard character (\*) are allowed. A pop-up menu is available listing valid selections.

#### Purchased/Leased

Specifies whether you want purchased devices, leased devices, or all devices to be included in the report. Valid values are **purchased**, **leased**. The keyword **all** is also a valid value. A pop-up menu is available listing valid selections.

#### **Inventory status**

Specifies that only devices at the requested status will be listed in the report. Valid values are **active**, **on order**, **repair**, **stock**, **removed**. The keyword **all** is also a valid value. A pop-up menu is available listing valid selections.

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. The title you enter appears after the system-defined report title on the output.

#### Sort sequence (Required field)

Enter the sequence in which the report items are to be sorted. The default sort sequence is the order in which the sort listing is presented on the pop-up menu.

The order of the columns across the top of the report is determined by the sort sequence you select followed by the remaining fields that cannot be sorted. If you select to sort less than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only **vendor name** was chosen, the column order is vendor name, then device type and site name. A pop-up menu is available listing valid selections.

Press F2 to execute the command.

## **Device Report Summary Results Form**

XH Trouble/Inventory Reports B RESULTS - DEVICE REPORT SUMMARY Page 1 Number of Devices Vendor Device Site Name Purch Leased Total Name Туре att-paradyne apl 0001-kennedy 1 1 0004-spain 1 1 0010-newyork 1 1 1 1 1 0011-mandan 0015-carrington 1 1 1 1 0019-austin 0021-bridgeway 0023-safehaven 1 1 1 0024-singalong 0025-goingon 1 1 1 1 0026-brodertown 1 0026-seattle 1 0027-cathay 0030-howell 1 1 1 1 0030-hurtsfield 1 1 -- MORE F1=Help F4=PrevMenu F5=MainMenu F6=PrevForm F8=Cancel

A sample of this results form is shown in Figure 3-19.

## Figure 3-19. Device Report Summary Results Form

#### NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## **Display Queue Results (dsqr)**

Use the *dsqr* command to display command results sent to the Trouble/Inventory Reports results queue. When you send command results to a queue, those results are assigned an index number. Use the List Queue Results (*lsqr*) command to determine the index number that has been assigned to each command result stored in a queue.

The *dsqr* command accesses the results queue assigned to that task. Thus, the Manager, Trouble Tracking and Trouble/Inventory Reports tasks each have their own results queues. Refer to the appropriate sections of this manual for an explanation of this command as it pertains to Manager and Trouble Tracking tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsqr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Queue Results (dlqr) List Queue Results (lsqr)

## **Display Queue Results Input Form**

This input form contains the following fields.

#### **Login name** (*Required field*)

Your User ID is automatically displayed while in the Manager task. Only the System Administrator can specify a User ID other than his/her own.

#### Number of results in queue

Indicates the number of results currently in the queue for the specified User Id.

#### Index number(s)

Specifies the index number(s) of the queue results item(s) that you want to display. Enter one or more of the following:

- A single index number.
- Several index numbers.
- A range of index numbers; for example, 1–15 or 7–last.
- The keyword **all** to display all queue results.
- The keyword **last** to display the most recent result in the queue.

Press F2 to execute the command.

## **Display Queue Results Results Form**

This results form displays all the chosen queue results in sequential order for each command. Samples of this results form are shown in Figure 3-20.



	Tr	rouble/ Inventory Rep	orts	g
	RESULTS - AI	LERT REPORT SUMM	IARY	Page 1
Network Name	Alert Type	Alert Count	Total Duration	Mean Duration
ams-al ams-dal ams-dal ams-mia ams-mia ams-no ams-orl ams-orl ams-tn ams-tn at-14-e ato-dal ato-dal ato-dal	nr nr fa nr fa nr fa nr fa nr fa nr fa md fa	6 8 5 3 3 7 2 2 7 2 483 474 1	$\begin{array}{c} 02:55:23\\ 00:17:39\\ 00:06:11\\ 02:57:15\\ 00:04:31\\ 13:13:13\\ 02:56:55\\ 00:13:05\\ 08:10:41\\ 00:02:52\\ 00:20:21\\ 00:52:31\\ 15:20:39\\ 14:55:58\\ 00:01:21 \end{array}$	00:29:13 00:02:12 00:01:14 00:29:32 00:01:30 00:21:26 00:58:58 00:01:27 00:21:20 00:01:26 00:02:54 00:02:54 00:02:54 00:01:53 00:01:53 00:01:21
F1=Help	F4=Previ	Menu F5=MainMenu	∟F6=PrevForm	MORE F8=Cancel∎

Figure 3-20. Samples of a Display Queue Results Form

## **Display Scheduled Items (dssi)**

Use the *dssi* command to display commands or routines scheduled for execution. The *dssi* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's scheduled items. The following command description applies to the Trouble/Inventory Reports task. You display scheduled items either by specifying the system-assigned index number or by specifying the item name. A Help Desk, Data Technician, or Manager level user can display his/her own scheduled items. The System Administrator can display his/her own scheduled items as well as other users' scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for delayed, weekly or monthly execution. If you display items by index number, NMS displays only the item that corresponds to the index number. If you display items by name, NMS displays all scheduled occurrences of that item name under your User ID (or the User ID of the specified user, if you are the System Administrator). Use the List Scheduled Items (*lssi*) command to display a list of your scheduled commands or routines and their assigned index numbers.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dssi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) List Scheduled Items (lssi)

#### **Display Scheduled Items Input Form**

This input form contains the following fields.

#### Login name

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID.

#### Number of items in queue

Shows the number of items scheduled in the Trouble/Inventory Reports task.

**Index number(s)** (*Required field*)

Specify the index number(s) of the scheduled item(s) you want displayed. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, 1–15.
- A combination of ranges and individual item numbers, for example 1–5, 7, 9–20.
- The keywords **all** and **last**. All specified indices must belong to the specified User Id.

Press **F2** to execute the command.

## **Display Scheduled Items Results Form**

This results form displays the items scheduled for execution. A sample of this results form is shown in Figure 3-21.

	Trouble/Inventory Reports		3
RESULTS -	DISPLAY SCHEDULED ITEMS	Page	1
Index number: Item name:	1 Alert Report Summary		
Destination for results:	queue		
Schedule execution:	delayed		
Date(s): Time(s):	12/20 22:00		
F1=HELP F4=P	revMenu F5=MainMenu F6=PrevForm	F8=Cance	1

Figure 3-21. Display Scheduled Items Results Form

## Facility Inventory Report (fir)

Use the *fir* command to produce a report listing the facility name, facility type, vendor name, installation date, bandwidth, and usage. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report includes all records meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	fir
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Connectivity Report (cr) Facility Report Summary (frs)

## **Facility Inventory Report Input Form**

A sample of this input form is shown in Figure 3-22.

FA	Trouble/Inventory Reports CILITY INVENTORY REPORT	Page	<b>3</b> 1
SELECTION CRITERIA Source device(s):	<u> </u>		
Facility type(s): Vendor name(s):			_
OUTPUT CRITERIA Title: Sort sequence:	facility type,vendor name		
Destination for results:	crt		
Schedule execution:	now		
F1=Help F2=Go F3=ClrFld F4=	PrevFld F5=MainMenu F6=FillForm F7=Defaul	t F8=Cance	·1

Figure 3-22. Facility Inventory Report Input Form
This input form contains the following fields.

#### **SELECTION CRITERIA**

#### Source device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### Facility type(s)

Specifies the type of facilities to include in the report. Multiple entries and the keyword **all** are allowed. A pop-up menu is available listing valid selections.

#### Vendor name(s)

Identifies the company name of the vendor supplying the facility. If you enter a name (one for which no vendor profile exists), NMS will inform you that the name was not found. The keyword **all** is allowed. Multiple entries are also allowed.

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. This title appears after the system-defined title on the output.

#### Sort sequence (Required field)

Enter the sequence in which the report items are to be sorted. Multiple entries are allowed. The default sort sequence is the order in which the sort listing is presented on the pop-up menu.

The order of the columns across the top of the report is determined by the sort sequence you select, followed by the remaining fields that cannot be sorted. If you select to sort fewer than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only the **vendor name** was chosen, the column order is Facility Type, then Vendor Name. A pop-up menu is available listing valid selections.

Press F2 to execute the command.

#### Facility Inventory Report Results Form

	puble/ Inventory Reports		经
RES	GULTS - FACILITY INV All Locatio	ENTORY REPORT ns	
Facility Vendor Type Name	Facility Name	Installaton Date	Bandwidth (Kbps)
T1 att-paradyne	auto6 auto7 auto31 auto16 auto27 auto27 auto20 auto20 auto23 auto55 auto54 auto53 auto52 auto52 auto52	12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69 12/31/69	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0
Press the right arrow key to hori: F1=Help F4=PrevMe	autoso zontally scroll to t enu F5=MainMenu F6=P	12/31/69 he right. revForm	MORE F8=Cancel∎

A sample of the results form is shown in Figure 3-23 displays.

Figure 3-23. Facility Inventory Report Results Form

#### NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## Facility Report Summary (frs)

Use the *frs* command to produce a report summarizing the number of facilities. You determine the records to be included in the report and the order in which they are sorted by specifying information on the input form. This report includes all records meeting all the criteria specified. Leaving a selection criteria field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	frs
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Connectivity Report (cr) Facility Inventory Report (fir)

#### Facility Report Summary Input Form

A sample of this input form is shown in Figure 3-24.

FA	Trouble/Inventory Reports CILITY REPORT SUMMARY	Page	<b>3</b> 1
SELECTION CRITERIA Source device(s):	<u>۹</u>		
Facility type(s): Vendor name(s):			_
OUTPUT CRITERIA Title: Sort sequence:	facility type,vendor name		
Destination for results:	crt		
Schedule execution:	now		
F1=Help F2=Go F3=ClrFld F4=	PrevFld F5=MainMenu F6=FillForm F7=Default	: F8=Canc	∍l

Figure 3-24. Facility Report Summary Input Form

This input form contains the following fields.

#### **SELECTION CRITERIA**

#### Source device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### Facility type(s)

Specifies the type of facilities to include in the report. Multiple entries and the keyword **all** are allowed. A pop-up menu is available listing valid selections.

#### Vendor name(s)

Identifies the company name of the vendor supplying the facility to be used as selection criteria. If an entry corresponding to the name you enter does not exist in the vendor profile database, you are notified. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. The keyword **all** is allowed.

#### **OUTPUT CRITERIA**

#### Title

Specifies the title you want to appear on the report. This title appears after the system-defined title on the output.

#### Sort sequence (Required field)

Enter the sequence in which the report items are to be sorted. Multiple entries are allowed. The default sort sequence is the order in which the sort listing is presented on the pop-up menu.

The order of the columns across the top of the report is determined by the sort sequence you select, followed by the remaining fields that cannot be sorted. If you select to sort fewer than the maximum number of fields, then these unsorted fields appear on the report in a default order. For example, if only the **vendor name** was chosen, the column order is Facility Type, then Vendor Name. A pop-up menu is available listing valid selections.

Press F2 to execute the command.

#### Facility Report Summary Results Form

A sample of the results form is shown in Figure 3-25.

	Trou	ble/ Inventory Reports		B
RESULT	S - FACILITY REPORT All Locations	SUMMARY	Page 1	
Facility Type	Vendor Name	Number		
T1 T1	att-paradyne Total	8 48 56		
brtotrib	Total	1192 1192		
ctrltobr	att-paradyne Total	175 175		
exists	att-paradyne Total	219 219		
Total		1642		
F1=Help	F4=PrevMe	nu F5=MainMenu F6=PrevF	orm	MORE F8=Cancel[]

Figure 3-25. Facility Report Summary Results Form

#### NOTE

You can scroll the screen from left to right using the arrow keys to view the entire report.

## List Queue Results (Isqr)

Use the *lsqr* command to list the items stored in your Trouble/Inventory Reports results queue. The list queue results output includes the index number, command name associated with the index number, and the starting date and time of each command execution.

The *lsqr* command is accessible from each task with an associated queue. Refer to the other sections in the manual for information on this command for Manager and Trouble Tracking tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Help Desk, Data Technician, Manager, Administrator
lsqr
Lists only contents of the Trouble/Inventory Reports queue. You must use the <i>lsqr</i> command in the Manager and Trouble Tracking tasks to list results of those queues.
No
Yes
Delete Queue Results (dlqr) Display Queue Results (dsqr)

#### List Queue Results Input Form

This input form contains the following fields.

#### Login name (Required field)

Your User ID is automatically displayed. Only the System Administrator can specify a User ID other than his/her own.

#### Number of results in queue

Identifies the number of items in the queue.

#### **Renumber list** (*Required field*)

Requests a consecutive renumbering of the queue results list. Previously queued results could have been deleted (using the *dlqr* command) from any position within the consecutively numbered list. By entering **yes**, you consecutively renumber the list to fill in those gaps. If you enter **no**, then the list is not renumbered.

A pop-up menu lists the valid selections.

Press F2 to execute the command.

#### List Queue Results, Results Form

A sample of this results form is shown in Figure 3-26.

	Trouble/I RESULTS - LIST	inventory Reports QUEUE RESULTS	Page 1
Index	Command Name	Date T	ime
1 2	ATR REPORT ALERT REPORT SUMMARY	Fri Dec 20 1 Fri Dec 20 1	4:36 4:38
*****	******** END O	F RESULTS **************	****
!	Start Time: 12/20/91-14:45:36	Completion Time: 12/20/91	-14:45:36 ∎
F1=HELP	F4=PrevMenu F5=	MainMenu F6=PrevForm	F8=Cancel

#### Figure 3-26. List Queue Results Results Form, Trouble/Inventory Reports Task

This results form contains the following fields.

#### Index

Lists the index number(s) automatically assigned to each queue results record.

#### **Command Name**

Lists the specific queue results items by command name.

#### **Date Time**

Lists the date and time that each command results were sent to the queue.

## List Scheduled Items (Issi)

Use the *lssi* command to list the commands and routines scheduled under your User ID. The list includes the index number, name, and execution schedule for each item (items list in the order of increasing index number).

NMS schedules items separately for the Manager, Trouble/Inventory Reports and Trouble Tracking tasks. The input and results forms are slightly different for each task.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lssi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) Display Scheduled Items (dssi)

#### List Scheduled Items Input Form

This input form contains the following fields.

#### Login name

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID.

#### Number of items in queue

Displays the number of items scheduled in the Trouble/Inventory Reports task.

#### **Renumber list** (Required field)

Requests a consecutive renumbering of the queue results list. Previously queued results could have been deleted (using the *dlsi* command) from any position within the consecutively numbered list. By entering **yes**, you consecutively renumber the list to fill in those gaps. If you enter **no**, then the list is not renumbered.

Press **F2** to execute the command.

#### List Scheduled Items Results Form

A sample of this results form is shown in Figure 3-27. This form displays the index number, name, schedule type, and execution schedule for the command. If the item is scheduled for weekly or monthly execution, the last scheduled date of execution appears.

	Trouble/Inventory RESULTS - LIST SCHEI	Reports 2
Index	Command Name	Scheduled Next Date Time
12	Alert Report Summary ATR Report	delayed Dec 20 22:00:00 monthly Dec 31 12:00:00
******	************************************ END OF RESUL <sup>*</sup> Start Time: 12/20/91-14:46:23 Complet	TS ************************************
F1=HELP	F4=PrevMenu F5=MainMenu	F6=PrevForm F8=Cancel

Figure 3-27. List Scheduled Items Results Form, Trouble/Inventory Task

# Trouble Tracking Task Commands 4

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Display Scheduled Items (dssi)	4-10
Display Trouble Tickets (dstt)	4-12
Edit Trouble Tickets (edtt)	4-24
List Queue Results (lsqr)	4-28
List Scheduled Items (lssi)	4-30
List Trouble Tickets (lstt)	4-32
Open Trouble Ticket (optt)	4-36

## **Overview**

This chapter provides the command descriptions for the Trouble Tracking task.

## **Delete Queue Results (dlqr)**

Use the *dlqr* command to delete queue results from your Trouble Tracking results queue. The *dlqr* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's queue. The following command description applies to the Trouble Tracking task.

The Trouble Tracking queue holds up to 50 separate queue result records. You need to periodically delete obsolete results to accommodate new results. If your Trouble Tracking queue is near capacity, NMS sends you a mail message.

Each item stored in your queue is assigned an index number to identify it. The list of items in your queue and their assigned index numbers are available via the List Queue Results (*lsqr*) command.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlqr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Display Queue Results (dsqr) List Queue Results (lsqr)

#### **Delete Queue Results Input Form**

This input form contains the following fields.

#### **Login name** (*Required field*)

Your User ID automatically displays. Only the System Administrator can specify the User ID of another user.

#### Number of results in queue

Identifies the number of items in the queue.

#### Index number(s) (Required field)

Identifies the queue results item(s) to be deleted. Enter one or more of the following:

- A single index number.
- Several index numbers separated by commas or spaces.
- A range of index numbers, for example, 1–15 or 7–last.
- The keyword **all** to delete all queue the results.
- The keyword **last** to delete the most recent result in the queue.

Press F2 to execute the command.

#### **Delete Queue Results Results Form**

This results form shows your deletion request and the actual number of results messages deleted from the queue.

## **Delete Scheduled Items (dlsi)**

Use the *dlsi* command to delete commands scheduled for execution. You delete scheduled items by specifying the system-assigned index number. A Help Desk, Data Technician, Manager or Administrator level user can delete his/her own scheduled items. The System Administrator can delete his/her own scheduled items as well as other users' scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for execution. Use the List Scheduled Items (*lssi*) to display a list of your scheduled commands or routines and their assigned index numbers.

NMS schedules items separately for the Manager, Trouble/Inventory Reports and Trouble Tracking tasks. The input and results forms differ slightly for each task.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dlsi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	Display Scheduled Items (dssi) List Scheduled Items (lssi)

#### **Delete Scheduled Items Input Form**

This input form contains the following fields.

#### Login name

Your User ID automatically displays. Only the System Administrator can specify the user ID of another user.

#### Number of items in queue

Shows the number of items scheduled in the Trouble Tracking task.

#### **Index number**(**s**) (*Required field*)

Specify the index number(s) of the scheduled item(s) you want deleted. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, **1–15**.
- The keyword **all** (to specify all index numbers). All indices must belong to the specified User ID.

Press **F2** to execute the command.

#### **Delete Scheduled Items Results Form**

This results form displays a message, indicating the completion of the deletion.

## **Delete Trouble Tickets (dltt)**

Use the *dltt* command to delete one or more trouble tickets when they are no longer needed (their status has been marked **closed**). The trouble ticket database stores up to 4000 trouble records.

You can delete single or multiple trouble tickets when you specify one or more trouble ticket numbers.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Manager, Administrator
Abbreviation:	dltt
Restrictions:	You can only delete trouble tickets whose status is closed.
Routine:	No
Schedule:	No
Related Commands:	Detailed Trouble Ticket Report (dttr) Display Trouble Tickets (dstt) Edit Trouble Tickets (edtt) List Trouble Tickets (lstt) Open Trouble Ticket (optt)

#### **Delete Trouble Tickets Input Form**

There are two pages for this input form. Page 1 enables you to specify the criteria for deleting the trouble ticket(s). Page 2 provides a confirmation message.

#### Page 1

This input form contains the following fields.

#### Ticket number(s)

Enter the starting and ending trouble ticket numbers in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the number entered in the **from** field, or all tickets up to the number entered in the **to** field are selected. If no numbers are entered, the default range is **all** trouble tickets. To delete a single ticket, specify the same ticket number in both fields.

#### **Opened date(s) included**

Enter the starting and ending dates in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the date entered in the **from** field, or all tickets up to the date entered in the **to** field are selected. If these fields are left blank, then the trouble ticket is chosen based only upon entered trouble ticket numbers. If no dates are entered, the default range is **all** trouble tickets. Valid entries are

- today = The current date.
- today-nn = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### Page 2

This input form provides a confirmation message to verify that the trouble tickets selected are to be deleted. The message reads

#### Do you still want to delete them (Yes/No)

Enter **yes** to delete the ticket(s) or **no** to cancel the deletion.

#### **Delete Trouble Tickets Results Form**

This results form confirms trouble ticket deletion.

## **Display Queue Results (dsqr)**

Use the *dsqr* command to display command results sent to the Trouble Tracking results queue. When you send command results to a queue, those results are assigned an index number. Use the List Queue Results (*lsqr*) command to determine the index number that has been assigned to each command result stored in a queue.

The *dsqr* command accesses the results queue assigned to that task. Thus, the Manager, Trouble Tracking and Trouble/Inventory Reports tasks each have their own results queues. Refer to the appropriate sections of this manual for an explanation of this command as it pertains to Manager and Trouble/Inventory Reports tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dsqr
<b>Restrictions:</b>	None
Routine:	No
Schedule:	No
Related Commands:	Delete Queue Results (dlqr) List Queue Results (lsqr)

#### **Display Queue Results Input Form**

This input form contains the following fields.

#### **Login name** (*Required field*)

Your User ID is automatically displayed. Only the System Administrator can specify a User ID other than his/her own.

#### Number of results in queue

Indicates the number of results currently in the queue for the specified User ID.

#### Index number(s)

Specifies the index number(s) of the queue results item(s) that you want to display. Enter one or more of the following:

- A single index number.
- Several index numbers.
- A range of index numbers; for example, 1–15 or 7–last.
- The keyword **all** to display all queue results.
- The keyword **last** to display the most recent result in the queue.

Press F2 to execute the command.

#### **Display Queue Results Results Form**

This results form displays all the chosen queue results in sequential order for each command. Samples of this results form are shown in Figure 4-1.

	Trouble Tracking	B
	RESULTS - DISPLAY QUEUE RESULTS	
	* * * * * * * * * * * *	
	* Index number: 1 *	
	*	
	* * * * * * * * * * * * * * *	
F1=Help	F4=PrevMenu F5=MainMenu F6=PrevForm	MORE F8=Cancel

			Trouble Tracking			8
	Results	s - List	Trouble Ticket	ts		Page 1
Ticket	Open date/time	Status	Category Sev	verity	Assigned	Device name
1	6/16/92 10:21:48	} open				
2	6/16/92 10:31:24	l open		3		m0000-rj21
Press the F1=Help	right arrow key t F4	o horiz  =PrevMe	ontally scroll nu F5=MainMenu	to the F6=Pre	right. vForm	MORE F8=Cancel∎

Figure 4-1. Samples of a Display Queue Results Form

## **Display Scheduled Items (dssi)**

Use the *dssi* command to display commands or routines scheduled for execution. The *dssi* command is accessible from the Manager, Trouble/Inventory Reports, and Trouble Tracking tasks. Depending on which task you are in, this command operates on that task's scheduled items. The following command description applies to the Trouble Tracking task. You display scheduled items either by specifying the system-assigned index number or by specifying an item name. A Help Desk, Data Technician, or Manager level user can display his/her own scheduled items. The System Administrator can display his/her own scheduled items as well as other users' scheduled items.

NMS automatically assigns an index number to commands and routines scheduled for delayed, weekly or monthly execution. If you display items by index number, NMS displays only the item that corresponds to the index number. If you display items by name, NMS displays all scheduled occurrences of that name under your User ID (or the User ID of the specified user, if you are the System Administrator). Use the List Scheduled Items (*lssi*) to display a list of your scheduled commands or routines and their assigned index numbers.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dssi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) List Scheduled Items (lssi)

#### **Display Scheduled Items Input Form**

This input form contains the following fields.

#### Login name

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID.

#### Number of items in queue

Displays the number of items scheduled in the Trouble Tracking task.

#### **Index number**(**s**) (*Required field*)

Specify the index number(s) of the scheduled item(s) you want displayed. Valid entries are as follows:

- One index number.
- Several index numbers, separated by commas or spaces.
- A range of index numbers; for example, **1–15**.
- A combination of ranges and individual item numbers, for example 1–5, 7, 9–20.
- The keywords **all** and **last**. All specified indices must belong to the specified User ID.

Press **F2** to execute the command.

#### **Display Scheduled Items Results Form**

This results form displays the items scheduled for execution. A sample of this results form is shown in Figure 4-2.

	Trouble Tracking	8
RESULTS -	DISPLAY SCHEDULED ITEMS	Page 1
Index number: Item name:	1 Display Trouble Ticket	
Destination for results:	printer	
Schedule execution:	delayed	
Date(s): Time(s):	12/20 23:00	
F1=HELP F4=P	revMenu F5=MainMenu F6=PrevForm	F8=Cancel

Figure 4-2. Display Scheduled Items Results Form

## **Display Trouble Tickets (dstt)**

Use the *dstt* command to display specific trouble tickets. A complete listing of all trouble tickets satisfying your search criteria is displayed. You determine the records to be included in the display and the order in which they are sorted by specifying information on the input form. This display includes all records meeting all the criteria specifying. Leaving a selection criteria field blank causes the NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	dstt
Restrictions:	None
Routine:	No
Schedule:	Yes
Related Commands:	<ul> <li>ATR Report (atrr) – accessed from Trouble/Inventory Reports task</li> <li>Delete Trouble Tickets (dltt)</li> <li>Detailed Trouble Ticket Report (dtr) – accessed from Trouble/Inventory Reports task</li> <li>Edit Trouble Tickets (edtt)</li> <li>List Trouble Tickets (lstt)</li> <li>Open Trouble Ticket (optt)</li> </ul>

#### **Display Trouble Tickets Input Form**

There are two pages to this input form. Page 1 enables you to specify search criteria for one more devices. Page 2 enables you to specify search criteria for the trouble tickets. Samples of Pages 1 and 2 are shown Figures 4-3 and 4-4. A sample selection list, which displays if listing all selected trouble tickets is chosen as the sort sequence, is shown in Figure 4-5.



	Trouble Tracking DISPLAY TROUBLE TICKETS	Page 1
Device(s):	I	
Trouble address:		
Device type(s): Alert type(s):	Alert group(s):	
Ticket status: Ticket category(s):	Escalation status: Ticket severity(s):	
		MORE
F1=Help F2=Go F3=Clrf	Fld F4=PrevFld F5=MainMenu F6=FillForm	F7=Defaults F8=Cancel

Figure 4-3. Display Trouble Tickets Input Form, Page 1

This input form contains the following fields.

#### **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Trouble address**

Specifies the device address of the device when the trouble ticket was first opened. If the device has not been moved, this address is the same as the current address of the device. The format and values are the same as for a device address.

#### **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. The wildcard character (\*) is allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries are allowed. A pop-up menu is available listing valid selections.

#### Alert type(s)

Specifies one or more alert types.

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Ticket status

Identifies the current status of the trouble ticket to be displayed. Enter one of the following valid status codes: **open** (default value), **assigned**, and **closed**. You can also enter a user-defined status code. A pop-up menu is available listing valid selections.

#### **Escalation status**

Identifies the trouble ticket escalation status to be used as search criteria. The values that can you can enter in this field are

#### wait

The escalation date has not yet passed, or an escalation date has not been entered.

#### alarm

A mail message has been sent to the ticket assignee or to the user who opened the ticket.

A pop-up menu is available listing valid selections.

#### Ticket category(s)

Identifies the category to be used as search criteria. Only tickets from the selected category will appear in the report. Enter one of the user-defined codes or **auto** to select the automatically-generated trouble tickets. The keyword **all** selects all trouble tickets. You may enter multiple categories.

#### Ticket severity(s)

Specifies the ticket's severity code to be used as search criteria. Ticket severity code is specified when a trouble ticket is manually opened or edited. Multiple entries are allowed.

#### Page 2

	DISPL	Trouble Trac AY TROUBLE	king TICKETS			Page	<b>g</b> 2
Opened by: Assigned to(s): Site name:	■			_			
Ticket number(s) from: Opened date(s) included: Time interval:	00:00	to to to	today 23:59				
Sort sequence: ticket num	ber						I
Destination for results:	crt						
Schedule execution:	now						
F1=Help F2=Go F3=ClrFld F4=	PrevFld	F5=MainMe	nu F6=Fi]	llForm F	77=Defaults	: F8=Car	cel

#### Figure 4-4. Display Trouble Tickets Input Form, Page 2

This input form contains the following fields.

#### Opened by

Identifies who opened the trouble ticket; this information is used as search criteria. Multiple entries and the wildcard character (\*) are allowed.

#### Assigned to(s)

Identifies who the trouble ticket is assigned to; this information is used as search criteria. The default value is blank. Multiple entries and the wildcard character (\*) are allowed.

#### Site name

Specifies the site(s) to be included in the display. Entries in this field ensure that only the devices at the specified site(s) are listed in the report. Multiple entries and the wildcard character (\*) are allowed.

#### Ticket number(s) from

Enter the starting and ending trouble ticket numbers in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the number entered in the **from** field, or all tickets up to the number entered in the **to** field are selected. If you enter the same number in both fields, the Display Trouble Ticket Selection list (Figure 4-5) does not display. Instead, the Display Trouble Tickets Results Form displays immediately upon pressing **F2**. The default range is **all** trouble tickets.

#### **Opened date(s) included** (*Required field*)

Enter the starting and ending dates in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the date entered in the **from** field, or all tickets up to the date entered in the **to** field, are selected. If these fields are left blank, then the trouble tickets are chosen based only upon entered trouble ticket numbers. The default range is **all** trouble tickets. Valid entries are

- today = The current date. This is the default option for the to field.
- **today-nn** = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### **Time interval** (*Required field*)

Specifies a time interval for those trouble tickets created within the date interval entered in the **Date(s) included** field. Enter times in pairs to specify an interval or individually to choose a range that begins or ends with the minimum or maximum entry. For example, if you enter a time in the first field but not in the second, the report is generated using the time entered in the first field until midnight (**23:59**). Entering a time in the second field only indicates that the report is to be generated from **00:00** until the time entered in the second field.

You can enter either military time (00:00 through 23:59) or standard time (12:00 am through 11:59 pm). For standard time, entering a time without the am/pm designation defaults to the am designation. Leaving these fields blank defaults to 24 hours (00:00 through 23:59).

#### **Sort sequence** (*Required field*)

Enter the sequence in which the trouble ticket items are to be sorted. Each sort entry must be separated by a comma. The default sort sequence is the order in which the sort listing is presented on the pop-up menu. Valid entries are **ticket number**, **ticket severity**, **ticket status**, **ticket category**, and **assigned to**. A pop-up menu is available listing valid selections.

Press **F2** to execute the command. If you chose the printer or queue to display the results, and/or you chose an execution time other than **now**, or only one ticket passed your selection criteria, then all tickets that meet your selection criteria are included in the results. However, if you chose **crt** as the destination and **now** for the execution, a selection list is displayed listing all selected trouble tickets in the chosen sort sequence (Figure 4-5).

You can limit the selection of trouble tickets that display by reviewing the list using the arrow keys and placing an  $\mathbf{x}$  in the box beside each ticket that you select to display.

XE Trouble Tracking	B
TROUBLE TICKET SELECTION LIST	
Ticket # Open date/time Status Category Severity Assigned to Device name Description 1 12/18/91 11:25:53 open auto system-1 Multiplexer polling port is down 2 12/19/91 16:22:00 open auto system-1 Process ValTrSvr is down 3 12/20/91 15:01:10 open	
F1=Help F2=Go F3=ClrFld F4=PrevFld F5=MainMenu F8=Cancel	

Figure 4-5. Display Trouble Tickets Selection List

#### **Display Trouble Tickets Results Form**

For each ticket displayed, there are four pages to its results form. Samples of these pages are shown in Figures 4-6 to 4-9.

Page 1

		Trouble Tracking		B
	RESULTS	- DISPLAY TROUBLE TICKETS	6	Page 1
Ticket #:	1			
Device address:	system			
Trouble address:	system			
Device name: Notwork pamet	system-1	Device type:	system	
Model #:	6830	Serial #:		
Alert type: Ticket status: Ticket category:	pollpf open auto	Alert group: Escalation status: Ticket severity;	wait	
			MORE	
F1=Help F2=NextRec	d F3=PrevRecd F	54=PrevMenu F5=MainMenu F6	5=PrevForm F8	}=Cancel

Figure 4-6. Display Trouble Tickets Results Form, Page 1

This results form contains the following fields.

#### Ticket #

The unique number assigned by the system to the trouble ticket.

#### **Device address**

The most recent address assigned to the device to which the trouble ticket refers.

#### **Trouble address**

The address of the device when the trouble ticket was first opened.

#### **Device name**

The unique name for the device.

#### **Device type**

The type of the device.

#### Network name

The name of the network where the device resides.

#### Model #

The model number of the device.

#### Serial #

The serial number of the device.

#### Alert type

The alert type associated with the trouble ticket.

#### Alert group

The alert group associated with the trouble ticket.

#### Ticket status

The status that was assigned to the trouble ticket.

#### **Escalation status**

Indicates if the trouble ticket has been escalated. The values that can appear in this field are

#### wait

The escalation date that you set on Page 1 of the Display Trouble Tickets input form (Figure 4-3) has not yet passed, or you did not enter an escalation date.

#### alarm

A mail message has been sent to the ticket assignee or to the user who opened the ticket.

#### blank

No escalation.

#### **Ticket category**

The category that was assigned to the trouble ticket.

#### **Ticket severity**

The severity that was assigned to the trouble ticket.

Page 2

	RESULTS	Trouble Tracking - DISPLAY TROUBLE TICKE	ETS Page 2
Ticket #:	1		
Occurred date: Reported by: Opened by: Assigned to:	12/18/91-11:24 auto auto	:41 Escalation date: Reporter phone: Opened date:	12/18/91-11:25:53
Site name: Device contact: Device phone:	unnamed		
Vendor name: Vendor contact: Vendor phone:			
ATR destination:		ATR status:	MORE 🔳
F1=Help F2=Ne×tRe	cd F3=PrevRecd	F4=PrevMenu F5=MainMenu	F6=PrevForm F8=Cancel

#### Figure 4-7. Display Trouble Tickets Results Form, Page 2

This results form contains the following fields.

#### Occurred date

The date and time that the trouble ticket was opened.

#### **Escalation date**

The date and time specified to escalate the trouble ticket if still unresolved. This field is blank if no escalation has been requested.

#### **Reported by**

The name of the person who reported the problem.

#### **Reporter phone**

The phone number of the person who reported the problem.

#### Opened by

The User ID of the person who opened the trouble ticket.

#### **Opened date**

The date/time that the trouble ticket was opened.

#### Assigned to

The name of the person to whom the trouble ticket was assigned.

#### Site name

The location of the device for which the trouble ticket was opened.

#### **Device contact**

The name of the person responsible for the device.

#### **Device phone**

The phone number of the device contact.

#### Vendor name

The vendor name associated with the device for which the trouble ticket was opened.

#### Vendor contact

The name of the vendor's service representative.

#### Vendor phone

The phone number of the vendor's service representative.

#### ATR destination

The telephone number for the ATR printer or the keyword **port** for the dedicated printer if an ATR was generated along with that trouble ticket.

#### ATR status

The status of the ATR, either **in progress, success**, or **failure**, if an ATR was generated along with the trouble ticket.

#### ATR sent date

The date that an ATR was sent to the service organization, if an ATR was generated along with the trouble ticket.

Page 3



Figure 4-8. Display Trouble Tickets Results Form, Page 3

The field on this results form is described as follows.

#### **Problem description**

Displays a description of the problem.

### Page 4

		RESULT	Trouble Tra 5 - DISPLAY <sup>-</sup>	acking TROUBLE TICK	ETS	Page 4
Ticket	: #:	1				
Commer	its:					
F1=Help	F2=NextRecd	F3=PrevRecd	F4=PrevMenu	F5=MainMenu	F6=PrevForm	F8=Cancel

#### Figure 4-9. Display Trouble Tickets Results Form, Page 4

This results form contains the following field.

#### Comments

Displays any comments about the problem.

## **Edit Trouble Tickets (edtt)**

Use the *edtt* command to change information on an existing trouble ticket that has been created either manually or automatically. You determine the records to edit by specifying the information on the input selection form. Records meeting all criteria specified are displayed for edit. Leaving a selection field blank causes NMS to ignore that criteria in its search.

If the **Opened by** field displays **auto** and an escalation date was entered manually during an edit, the **Assigned to** field will be populated with the current user's login ID so that an escalation mail message can be properly delivered.

If any of the fields are modified, the previous value of that field and the latest value entered in that field are logged and displayed in the Trouble Ticket Audit trailer page. Only the time of modifications are logged for **Problem Description** and **Comments**.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	edtt
<b>Restrictions:</b>	You can change any field on the ticket except <b>Ticket</b> #.
Routine:	No
Schedule:	No
Related Commands:	Delete Trouble Tickets (dltt) Detailed Trouble Ticket Report (dttr) – accessed from Trouble/Inventory Reports task List Trouble Tickets (lstt) Open Trouble Ticket (optt)

#### **Edit Trouble Tickets Input Form**

There are two pages for this input form. Page 1 enables you to specify the device for the search criteria. Page 2 enables you to specify the trouble ticket information to be included in the search. Refer to the Display Trouble Tickets (*dstt*) command for samples of the screens.

#### Page 1

This input form contains the following fields.

#### Device(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

#### **Trouble address**

Specifies the device address of the device to be used as search criteria when the trouble ticket was first opened. If the device has not been moved, this address is the same as the current address of the device(s). The format and values are the same as for a device address.

#### **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. The wild card character (\*) is allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information.

#### Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Alert type(s)

Specifies one or more alert types.

#### Ticket status

Identifies the current status of the trouble ticket to be used as search criteria. Enter one of the following valid status codes: **open** (default value), **assigned**, or **closed**. You can also enter a user-defined status code. A pop-up menu is available listing valid selections.

#### **Escalation status**

Identifies the trouble ticket escalation status to be used as search criteria. The values that can you can enter in this field are

#### wait

The escalation date has not yet passed, or an escalation date has not been entered.

#### alarm

A mail message has been sent to the ticket assignee or to the user who opened the ticket.

A pop-up menu is available listing valid selections.

#### Ticket category(s)

Identifies the category to which the trouble ticket has been assigned; this information is to be used as search criteria. Only tickets from the selected category appears in the report. Enter one of the user-defined codes or **auto** to select the automatically-generated trouble tickets. The keyword **all** selects all trouble tickets. You may enter multiple categories.

#### Ticket severity(s)

Specifies the ticket's severity code to be used as search criteria. Ticket severity code is specified when a trouble ticket is manually opened or edited. Multiple entries are allowed.

#### Page 2

This input form contains the following fields.

#### Opened by

Identifies who opened the trouble ticket; this information is used as search criteria. Multiple entries are allowed.

#### Assigned to(s)

Identifies who the trouble ticket is assigned to; this information is used as search criteria. The default value is blank. Multiple entries and the wildcard character (\*) are allowed.

#### Site name

Specifies the site(s) to be included in the display. Entries in this field ensure that only the devices at the specified site(s) are listed in the report. Multiple entries and the wildcard character (\*) are allowed. The default value is blank.

#### Ticket number(s)

Enter the starting and ending trouble ticket numbers in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the number entered in the **from** field, or all tickets up to the number entered in the **to** field are selected. If you enter the same number in both fields, the Edit Trouble Tickets Selection list does not display. Instead, the Edit Trouble Tickets Input Selection form displays immediately upon pressing **F2**. The default range is **all** trouble tickets.

#### **Opened date(s) included** (*Required field*)

Enter the starting and ending dates in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the date entered in the **from** field, or all tickets up to the date entered in the **to** field are selected. If these fields are left blank, then the trouble tickets are chosen based only upon entered trouble ticket numbers. The default range is **all** trouble tickets. Valid entries are

- today = The current date. This is the default option for the to field.
- today-nn = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### **Time interval** (*Required field*)

Specifies a time interval which restricts the selection of tickets to those opened within that range for all times selected. Enter the starting and ending times in the **from** and **to** fields to select all tickets within the specified range. If the **to** field is left blank, the range is the time entered in the **from** field until midnight (**23:59**). If the **from** field is left blank, the range is **00:00** until the time entered in the **to** field. If both of these fields are left blank, then the time defaults to 24 hours (**00:00** through **23:59**). Enter time in the format hh:mm using the 24-hour clock, or use the 12-hour clock with the am or pm designation.

#### Sort sequence (Required field)

Enter the sequence in which the trouble ticket items are to be sorted. Each sort entry must be separated by a comma. The default sort sequence is the order in which the sort listing is presented on the pop-up menu. Valid entries are **ticket number, ticket severity, ticket status, ticket category**, and **assigned to**. A pop-up menu is available listing valid selections.

Press F2 to execute the command. A selection list is displayed listing all selected trouble tickets in the chosen sort sequence.

To limit the selection of trouble tickets that display, review the list using the arrow keys and placing an  $\mathbf{x}$  in the box beside each ticket that you want to display for edit.

#### Edit Trouble Tickets Input Form

The NMS displays the Edit Trouble Tickets input forms for the records matching all the criteria specified. See the Open Trouble Ticket *(optt)* command for a description of the fields on these forms.
# List Queue Results (Isqr)

Use the *lsqr* command to list the items stored in your Trouble Tracking results queue. The list queue results output includes the index number, command name associated with the index number, and the starting date and time of each command execution.

The *lsqr* command is accessible from each task with an associated queue. Refer to the other sections in the manual for information on this command for Manager and Trouble/Inventory Reports tasks.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator		
Abbreviation:	lsqr		
Restrictions:	Lists only contents of the Trouble Tracking queue. You must use the <i>lsqr</i> command in the Trouble/Inventory Reports and Manager tasks to list results of those queues.		
Routine:	No		
Schedule:	Yes		
Related Commands:	Delete Queue Results (dlqr) Display Queue Results (dsqr)		

# List Queue Results Input Form

This input form contains the following fields.

# **Login name** (*Required field*)

Your User ID is automatically displayed. Only the System Administrator can specify a User ID other than his/her own.

# Number of results in queue

Identifies the number of items in the queue.

# **Renumber list** (*Required field*)

Requests a consecutive renumbering of the queue results list. Previously queued results could have been deleted (using the *dlqr* command) from any position within the consecutively numbered list. By entering **yes**, you consecutively renumber the list to fill in those gaps. If you enter **no**, then the list is not renumbered.

A pop-up menu lists the valid selections.

Press **F2** to execute the command.

# List Queue Results, Results Form

XH Trouble Tracking 9 RESULTS - LIST QUEUE RESULTS Page IndexCommand Name Date Time \_\_\_\_\_ 1 OPEN TROUBLE TICKET Fri Dec 20 15:01 Start Time: 12/20/91-15:14:34 Completion Time: 12/20/91-15:14:34 F1=HELP F4=PrevMenu F5=MainMenu F6=PrevForm F8=Cancel

A sample of this results form is shown in Figure 4-10.

# Figure 4-10. List Queue Results Results Form, Trouble Tracking Task

This results form contains the following fields.

## Index

Lists the index number(s) automatically assigned to each queue results record.

## **Command Name**

Lists the specific queue results items by command name.

#### **Date Time**

Lists the date and time that each command results were sent to the queue.

# List Scheduled Items (Issi)

Use the *lssi* command to list the commands and routines scheduled under your User ID. The list includes the index number, name, and execution schedule for each item (items list in the order of increasing index number).

NMS schedules items separately for the Manager, Trouble/Inventory Reports and Trouble Tracking tasks. The input and results form a slightly different for each task.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lssi
<b>Restrictions:</b>	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Scheduled Items (dlsi) Display Scheduled Items (dssi)

# List Scheduled Items Input Form

This input form contains the following fields.

# Login name

NMS automatically displays your User ID. Only the System Administrator can change this entry to another User ID.

# Number of items in queue

Displays the number of items scheduled in the Trouble Tracking task.

# Renumber list (Required field)

Requests a consecutive renumbering of the queue results list. Previously queued results could have been deleted (using the *dlsi* command) from any position within the consecutively numbered list. By entering **yes**, you consecutively renumber the list to fill in those gaps. If you enter **no**, then the list is not renumbered.

Press **F2** to execute the command.

# List Scheduled Items Results Form

A sample of this results form is shown in Figure 4-11. This form displays the index number, name, schedule type, and execution schedule for the command. If the item is scheduled for weekly or monthly execution, the last scheduled date of execution appears.

		Trou RESULTS – LI	ble Tracking ST SCHEDULED	ITEMS			3
Index	Command Name			Scheduled	۲ Date	lext Time	
12	Display Trouble Display Trouble	Ticket Ticket		delayed monthly	Dec 20 Dec 31	23:00:00 20:00:00	
**************************************							
F1=HELP	F4=	PrevMenu F5=M	ainMenu F6=P	revForm		F8=Cancel	

Figure 4-11. List Scheduled Items Results Form, Trouble Tracking Task

# List Trouble Tickets (Istt)

Use the *lstt* command to obtain an abbreviated listing of selected trouble tickets. You determine the records to list by specifying the information on the input selection form. Records meeting all criteria specified are listed. Leaving a selection field blank causes NMS to ignore that criteria in its search.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Help Desk, Data Technician, Manager, Administrator
Abbreviation:	lstt
Restrictions:	None
Routine:	No
Schedule:	Yes
Related Commands:	Delete Trouble Tickets (dltt) Detailed Trouble Ticket Report (dttr) – accessed from Trouble/ Inventory Reports task Display Trouble Tickets (dstt) Edit Trouble Tickets (edtt) Open Trouble Ticket (optt)

# List Trouble Tickets Input Form

There are two pages for this input form. Page 1 provides selection criteria for the device and Page 2 provides selection criteria for the trouble ticket. Refer to the Open Trouble Ticket (*optt*) command for samples of the screens.

# Page 1

This input form contains the following fields.

## **Device**(s)

Specifies the device(s) to be used as the search criteria. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Circuit Name (examples: cir-ch-10, cir-ny-to-la)
- Serial Number (examples: ser-1234567, ser-66778888)
- Network Name (examples: net-atm, net-detroit, net-loans)

See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. Multiple entries and the wildcard characters (\*?!) are allowed.

## **Trouble address**

Specifies the device address of the device when the trouble ticket was first opened; this information is used as search criteria. If the device has not been moved, this address is the same as the current address of the device(s). The format and values are the same as for a device address.

# **Device type(s)**

Specifies the type(s) of device(s) to be used as the search criteria. Multiple entries are allowed. The wildcard character (\*) is allowed. See Appendix E, *Naming Conventions*, in the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

# Alert group(s)

Identifies a specific logical group of alert types. Enter one or more alert group names.

#### Alert type(s)

Specifies one or more alert types.

#### **Ticket status**

Identifies the current status of the trouble ticket; this information is used as search criteria. Enter one of the following status codes: **open** (default value), **assigned**, or **closed**. You can also enter a user-defined status code. A pop-up menu is available listing valid selections.

### **Escalation status**

Indicates if the trouble ticket has been escalated; this information is used as search criteria. The values that you can enter in this field are

#### wait

The escalation date has not yet passed, or an escalation date has not been entered.

#### alarm

A mail message has been sent to the ticket assignee or to the user who opened the ticket.

#### blank

No escalation.

A pop-up menu is available listing valid selections.

Identifies the category to which the trouble ticket has been assigned. Only tickets from the selected category will appear in the report. Enter one of the user-defined codes, **auto** to select the automatically-generated trouble tickets, or **all** to select all trouble tickets. You may enter multiple categories.

# Ticket severity(s)

Specifies the ticket's severity code to be used as search criteria. Multiple entries are allowed. Ticket severity code is specified when a trouble ticket is manually opened or edited.

# Page 2

This input form contains the following fields.

# Opened by

Identifies who opened the trouble ticket. Only the trouble tickets opened by this user will appear. The default value is blank.

## Assigned to(s)

Identifies who the trouble ticket is assigned to. Only the trouble tickets assigned to this user will appear. Multiple entries and the wildcard character (\*) are allowed. The default value is blank.

## Site name

Specifies the site to be included. Entries in this field ensure that only the devices at the specified site are displayed. The default value is blank.

## Ticket number(s) from

Specifies the starting and ending ticket numbers to select all tickets within the specified range.

## **Opened date(s) included** (Required field)

Enter the starting and ending dates in the **from** and **to** fields to select all tickets within the specified range. If either field is left blank, then all tickets starting with the date entered in the **from** field, or all tickets up to the date entered in the **to** field are selected. If these fields are left blank, then the trouble tickets are chosen based only upon entered trouble ticket numbers. The default range is **all** trouble tickets. Valid entries are

- today = The current date. This is the default option for the to field.
- today-nn = The current date minus **nn** number of days.
- **first** = The first date for the current month.
- **mm/dd/yy** = The month, day, and year.
- blank = The earliest date for which the system stores data. This is the default for the **from** field.

#### **Time interval** (*Required field*)

Specifies a time interval which restricts the selection of tickets to those opened within that range for all times selected. Enter the starting and ending times in the **from** and **to** fields to select all tickets within the specified range. If the **to** field is left blank, the range is the time entered in the **from** field until midnight (**23:59**). If the **from** field is left blank, the range is **00:00** until the time entered in the **to** field. If both of these fields are left blank, then the time defaults to 24 hours (**00:00** through **23:59**). Enter time in the format hh:mm using the 24-hour clock, or use the 12-hour clock with the am or pm designation.

#### **Sort sequence** (*Required field*)

Enter the sequence in which the trouble ticket items are to be sorted. Each sort entry must be separated by a comma. The default sort sequence is the order in which the sort listing is presented on the pop-up menu. A pop-up menu is available listing valid selections.

Press F2 to execute the command.

# List Trouble Tickets Results Form

This results form contains the following fields.

#### Ticket

The unique number assigned by the system to the trouble ticket.

## **Open date/time**

The date and time that the trouble ticket was opened.

#### Status

The status of the trouble ticket. Usual values are open, assigned, and closed.

#### Category

The category assigned to the trouble ticket.

#### Severity

The severity level assigned to the trouble ticket.

#### Assigned

Specifies the User ID of the person assigned to the trouble ticket.

#### **Device name**

The name of the device for which the trouble ticket was opened.

# **Open Trouble Ticket (optt)**

Use the *optt* command to create a trouble ticket for tracking, from first occurrence through repair, of a device problem or network trouble. Trouble tickets can be created manually with this command or automatically via the Automatic Trouble Ticket generation feature.

By creating a trouble ticket, you can manage problems and repairs through an alarm feature that notifies you of unresolved problems, a tracking log that automatically lists changes made during the repair process, and a database of closed tickets that can be searched to determine recurring problems with a device.

For most commands, NMS enables you to specify the destination for the command's results and schedule its execution. If the last page of the input form cannot accommodate the **Destination for results** and **Schedule execution** fields, an additional page is provided. For a complete description of these fields, refer to Chapter 1, *Introduction*.

Access Level:	Data Technician, Manager, Administrator
Abbreviation:	optt
Restrictions:	To prevent the creation of duplicate trouble tickets, the trouble ticket database is scanned for any existing trouble ticket that has the same device address, the same alert type, and has a state that is anything but closed. If there is an existing trouble ticket that meets this criteria, a new ticket cannot be automatically created.
Routine:	No
Schedule:	No
Related Commands:	Delete Trouble Tickets (dltt) Detailed Trouble Ticket Report (dttr) – accessed from Trouble/ Inventory Reports task Display Trouble Tickets (dstt) Edit Trouble Tickets (edtt) List Trouble Tickets (lstt)

# **Open Trouble Ticket Input Form**

There are multiple pages for this input form. Samples of Pages 1 and 2 are shown in Figures 4-12 and 4-13.

# Page 1

	Trouble Tracking OPEN TROUBLE TICKET Page		
Device:	hickory		
Alert type:	user	l	
Ticket status: Ticket category:	open	Ticket severity: _	
Occurred date: Reported by:	12/20/91-15:18:29	Escalation date: Reporter phone:	
Assigned to:			
			MORE
F1=Help F2=Go F3	=ClrFld F4=PrevFld F5=	MainMenu F6=FillForm F7=Defa	aults F8=Cancel

Figure 4-12. Open Trouble Ticket Input Form, Page 1

This input form contains the following fields.

## **Device** (*Required field*)

Specifies the device for which the trouble ticket is to be opened. Device IDs can be any of the following:

- Device Address (examples: 1/4, 3/4/4, m2/232)
- Device Name (examples: apl-32, ny-atm-control)
- Serial Number (examples: ser-1234567, ser-66778888)

## Alert type (Required field)

Enter the specified alert type for which the trouble ticket is to be opened. Refer to the *COMSPHERE 6800 Series Network Management System User's/System Administrator's Guide* for more information. A pop-up menu is available listing valid selections.

# **Ticket status** (*Required field*)

Identifies the current status of the trouble ticket. Enter one of the following valid status codes: **open** (default value), **assigned**, or **closed**. You can also enter a user-defined status code. A pop-up menu is available listing valid selections.

#### Ticket category(s)

Identifies the category to which the trouble ticket has been assigned. Only tickets from the selected category will appear in the report. Enter one of the user-defined codes, **auto** to select the automatically-generated trouble tickets, or **all** to select all trouble tickets. You may enter multiple categories. The meaning of the values entered in this field is determined by the System Administrator. The wildcard character (\*) is allowed. The keyword **all** is valid (default value).

#### **Ticket severity**

Specifies the ticket's severity code as defined by the System Administrator. Multiple entries are allowed.

#### **Occurred date** (*Required field*)

Specifies the date and time that the problem actually occurred as opposed to when it was reported. Enter a date in the format **mm/dd/yy-hh:mm:ss**. For automatic tickets, the alert date and time are used to fill this field. The default value is the current date and time.

#### **Escalation date**

Specifies the date and time that the system is to send a mail message to the ticket assignee if the trouble ticket status is not marked **closed**. Enter a date and time in the format **mm/dd/yy-hh:mm:ss**. If the ticket assignee is not a valid User ID, then the mail message is sent to the User ID corresponding to the contents of the **Opened by** field in the trouble ticket. This date and time should be either blank or in advance of the current date and time, and should be rounded to the nearest 15-minute boundary. If the time entered does not correspond to a 15-minute boundary, it will be automatically rounded to the nearest 15-minute boundary and displayed in the field. If left blank, no mail message is generated.

## **Reported by**

Identifies the name of the person reporting the problem. The default is the user who opened the ticket. The keyword **auto** displays in this field for automatic trouble tickets.

#### **Reporter phone**

Lists the phone number of the person reporting the problem.

#### Assigned to

Specifies the User ID of the person this trouble ticket is assigned to. The default is the user who opened the ticket.

# Page 2



# Figure 4-13. Open Trouble Ticket Input Form, Page 2

This input form contains the following field.

# **Problem description**

Provides space for a description of the problem.

Page 3

This input form contains the following field.

## Comments

Provides space for any additional comments about the problem.

Press F2 to execute the command.

# **Open Trouble Ticket Results Form**

There are four pages for this results form. A sample of Page 1 is shown in Figure 4-14. The other pages consist of information that you have entered on the input forms.

Trouble Tracking			
	RESULTS - OPEN TROUBLE TICKET	Page 1	
Ticket #:	4		
Device address:			
Trouble address:			
Device name: Network name: Model #:	Device type:		
	Serial #:		
Alert type: Ticket status: Ticket category:	user Alert group: user open Escalation status: wait Ticket severity:		
F1=Help	F4=PrevMenu F5=MainMenu F6=PrevForm	MORE F8=Cancel∎	

Figure 4-14. Open Trouble Ticket Results Form, Page 1

This input form contains the following fields.

## Ticket #

The unique number assigned by the system to the trouble ticket.

#### **Device address**

The most recent address assigned to the device to which the trouble ticket refers.

### **Trouble address**

The device address of the device when the trouble ticket was first opened. For a trouble ticket that has just been opened this is the same address that appears in the **Device address** field.

#### **Device name**

The unique name for the device.

## **Device type**

The type of the device.

#### Network name

The name of the network where the device resides.

#### Model #

The model number of the device.

#### Serial #

The serial number of the device.

# Alert type

Specifies the alert (alarm, status change, event) at its most detailed level known by NMS.

# Alert group

Identifies a specific logical group of alert types.

# Ticket status

The status that you assigned to the trouble ticket on Page 1 of the Open Trouble Ticket input form.

# **Escalation status**

Indicates if the trouble ticket has been escalated. The values that can appear in this field are:

#### wait

The escalation date that you set on Page 1 of the Open Trouble Ticket input form has not yet passed, or you did not enter an escalation date.

#### alarm

A mail message has been sent to the ticket assignee or to the user who opened the ticket.

## **Ticket category**

The category that you assigned to the trouble ticket on Page 1 of the Open Trouble Ticket input form.

#### **Ticket severity**

The severity that you assigned to the trouble ticket on Page 1 of the Open Trouble Ticket input form.