

User Guide

NetIQ® Security Solutions for iSeries - PSDetect™

September 2, 2008



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About This Book and the Library

The user guide provides conceptual information about the NetIQ Security Solutions for iSeries - PSDetect product (PSDetect). This book defines terminology and various related concepts.

Intended Audience

This book provides information for individuals responsible for understanding PSDetect concepts and for individuals monitoring critical system events that are generated when unauthorized access is attempted.

Other Information in the Library

The library provides the following information resources:

Trial Guide

Provides general information about the product and guides you through the trial and evaluation process.

Installation Guide

Provides detailed planning and installation information.

User Guides

Provide conceptual information about the NetIQ Security Solutions for iSeries product. These books also provide an overview of the user interfaces and the Help. The following user guides are available:

- NetIQ Security Solutions for iSeries - PSSecure
- NetIQ Security Solutions for iSeries - Remote Request Management
- NetIQ Security Solutions for iSeries - PSAudit
- NetIQ Security Solutions for iSeries - PSPasswordManager
- NetIQ Security Solutions for iSeries - Privilege Manager

Help

Provides definitions for each field and each window.

Conventions

The library uses consistent conventions to help you identify items throughout the documentation. The following table summarizes these conventions.

Convention	Use
Bold	<ul style="list-style-type: none">• Window and menu items• Technical terms, when introduced
<i>Italics</i>	<ul style="list-style-type: none">• Book and CD-ROM titles• Variable names and values• Emphasized words
Fixed Font	<ul style="list-style-type: none">• File and folder names• Commands and code examples• Text you must type• Text (output) displayed in the command-line interface
Brackets, such as <code>[value]</code>	<ul style="list-style-type: none">• Optional parameters of a command
Braces, such as <code>{value}</code>	<ul style="list-style-type: none">• Required parameters of a command
Logical OR, such as <code>value1 value2</code>	<ul style="list-style-type: none">• Exclusive parameters. Choose one parameter.

About NetIQ Corporation

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Chapter 1

Introduction

NetIQ Security Solutions for iSeries PSDetect monitors iSeries systems for unauthorized attempts to gain access. By reading system logs, PSDetect searches for critical system events that are generated when unauthorized access is attempted. When a critical system event is detected, PSDetect alerts the responsible security officer so that the appropriate action can be taken.

Features

PSDetect provides the following features:

- sends immediate notification of the most critical system events
- lets you specify how often you want to monitor an event (such as monthly, weekly, or hourly)
- sends alerts using text messages, numeric messages, pagers, cellular phones, or e-mail
- lets you designate whom should be alerted when a specific event occurs
- provides automatic message escalation and allows easy integration of paging features in your own applications
- multiple actions can be taken for each alert (such as automatic reply, page, execute command, call program, or forward a message to another queue or system)

- monitors an unlimited number of iSeries systems and can take multiple alert actions
- displays messages from different iSeries systems according to selected colors
- messages on remote iSeries systems can be acknowledged by the central Network Console Operator

Functions

PSDetect includes the following primary functions. All of these functions are accessible from the PSDetect Main Menu. For more information, see “PSDetect Main Menu” on page 18.

Work with Alert Log

Displays the Work with Alert Log screen, which is used to view all messages detected by the Alert Monitor. For more information, see “Work with Alert Log” on page 22.

Work with Console Log

Displays the Work with Console Log screen, which is used to view messages detected by the Alert Monitor with a status of CONSOLE. For more information, see “Work with Console Log” on page 94.

Work with Alert Queues/Filters

Displays the Work with Alert Filters screen, which is used to view defined alert filters and access screens used to create, change, and delete message filters for individual alert queues. For more information, see “Work with Alert Queues/Filters” on page 100.

Work with Monitors

Displays the Work with Monitors screen, which is used to view the status of each monitor and access screens used to view history, system defaults, and activity details for each individual monitor. For more information, see “Work with Monitors” on page 122.

General System Menu

Displays the General System Menu, which is used to access menu options to customize PSDetect on your system. For more information, see “General System Menu” on page 159.

PSDetect Action Setup Menu

Displays the PSDetect Action Setup Menu, which is used to access menu options to define the attributes for specific actions. For more information, see “PSDetect Action Setup Menu” on page 203.

PSDetect QuickStart Wizard

Accesses the PSDetect QuickStart Configuration Wizard, which prompts you to answer a series of questions to set up the product quickly and easily. For more information, see “PSDetect QuickStart Wizard” on page 14.

NetIQ Security Solutions for iSeries Product Integration

The following NetIQ Security Solutions for iSeries products send events to PSDetect to alert you in real-time if any suspicious activity or potential exposures occur on your servers.

PSAudit - System Auditing and Reporting (SAR)

Alerts audited by PSDetect are used with the filtering capability of PSAudit to set criteria and thresholds to monitor intrusion detection. Auditing alerts are used for the following purposes:

- If someone using the IBM-supplied user profile QSECOFR enters an incorrect password.
- If someone attempts to access your iSeries system using FTP.
- If someone signs on the system after hours.
- If a security system value has been changed.
- If a specific file has been downloaded.
- If a user profile has been created with Security Administration authority.

- If an unauthorized user accesses the PAYROLL Library.
- If someone attempts to hack through your iSeries system Firewall.

The PSAudit Configuration Wizard provides an easy way to begin implementing auditing alerts. For more information, see the System Auditing and Reporting chapter in the *NetIQ Security Solutions for iSeries PSAudit User Guide*.

PSSecure - Remote Request Manager (RRM)

RRM lets you set up the user profile and message queue alert notification actions used with PSDetect. When a specified alert message is detected, a message is sent to a pager, phone, e-mail address, escalation list, or broadcast group by PSDetect to help ensure that the appropriate person is notified. For more information about the Work with User/MsgQ Alerts screen, see the *NetIQ Security Solutions for iSeries - Remote Request Management User Guide*.

PSPasswordManager

PSPasswordManager monitors your iSeries server for weak passwords. Weak passwords are easily guessed; either because they are an everyday word, a name, or an easy keyboard combination like QWERTY.

As a guard against misuse, the first time you run PSPasswordManager during a session PSDetect sends a alert message to PSDetect. If you enter an incorrect password when signing on to PSPasswordManager, another message is sent to PSDetect.

Forwarding Alerts to AppManager

PSDetect actively monitors your iSeries servers and alerts you in real-time if any suspicious activity or potential exposures occur. With the ability to send SNMP traps to AppManager, PSDetect provides real-time alerting to the AppManager centralized console, which monitors activity in your heterogeneous environment.

AppManager identifies problems in your environment; helps you assess the cause, location, and severity of these problems; and allows you to automatically correct or initiate other appropriate actions when problems occur.

To configure PSDetect to forward alerts to AppManager:

1. At the NetIQ Product Access Menu, type **3** (PSDetect) and press Enter.
2. Type **20** (PSDetect QuickStart Wizard) and press Enter.
3. Press Enter to run the wizard.
4. In step 15 (Configure SNMP Support), type ***YES** and press Enter.
5. In step 16 (SNMP listener address), type the TCP/IP address of the computer where the AppManager management server is installed.
6. Specify the events for which you want to monitor and send an SNMP trap to AppManager.
7. After the final question, the wizard displays a summary of your selections in a two-page window. Press Page Down to view the second page and Page Up to return to the first page.
8. Review your settings. When settings are correct for your environment, press Enter.
9. Press Enter to apply the settings.
10. Press Enter to exit the wizard.

For AppManager to receive SNMP traps from PSDetect, you must check the iSeries JobInfo Knowledge Script into the AppManager repository and run it on the target computer. For more information about checking in the iSeries Knowledge Script, see the *NetIQ Security Solutions for iSeries Installation Guide*.

Forwarding Alerts to Security Manager

NetIQ Security Solutions for iSeries integrates with two powerful Security Manager products to provide relief from your worst security event management problems:

Intrusion Manager

Intrusion Manager helps secure your enterprise from internal and external attacks. In real time, the product monitors, analyzes, and consolidates events from log files on monitored iSeries servers to detect a variety of occurrences and alert you of them. When significant events occur, Intrusion Manager sends alerts to the Intrusion Manager consoles and can email or page your staff so they can quickly respond.

With the ability to send real-time alerting to Security Manager, PSDetect provides iSeries data to a powerful enterprise-focused control center that enables you to automate and monitor security in small to large enterprises.

Log Manager

Log Manager provides a powerful, yet simple-to-use solution that collects log data from various sources throughout your enterprise. Log Manager consolidates the events to secure Microsoft SQL Server repositories that provide centralized access, which is critical for meeting audit requirements. Log Manager provides access to your data in the form of Summary, Forensic Analysis, and Trend Analysis reports.

Providing QAUDJRN data to Security Manager delivers an archival and forensics solution for managing event logs from iSeries servers throughout your enterprise in a single, central console.

For information about configuring Security Manager support, see the *NetIQ Security Solutions for iSeries Installation Guide*.

Chapter 2

Getting Started

This chapter provides the information needed to start using PSDetect.

Accessing PSDetect

The functions provided in PSDetect are accessed through a series of screens and screen elements, such as menu options and function keys, included in the system interface.

To access PSDetect:

1. On the iSeries command line, type **PSMENU** and press ENTER.

Note

The PSMENU* objects are installed in library QGPL. To access the products, QGPL must be in your library list. If QGPL is not in your library list, qualify the QGPL library when issuing the **PSMENU** command, or use the **ADDLIBL** command to add QGPL to your library list.

```
PSMENU                                NetIQ Product Access Menu                                ANYSERVER
ANYUSER 10/16/01  09:16:04

Select one of the following:

    1. PSAudit                                (V8.1.0000)
    2. PSSecure                                (V8.1.0000)
    3. PSDetect                                (V8.1.0000)
    4. PSPwdMgr                                (V8.1.0000)
    5. PSPrvMgr                                (V8.1.0000)

    11. PSApplication Modules

    70. Utilities menu

    80. Enter access codes

    90. Signoff

Selection
===>  _

F3=Exit   F4=Prompt   F10=Command entry   F12=Cancel
F13=Information Assistant   F16=AS/400 main menu
```

2. On the NetIQ Product Access Menu selection line, type **3** (PSDetect) and press ENTER.

From the PSDetect Main Menu you can access the major product options by entering the appropriate option on the selection line.

```
PD0                      NetIQ Corporation          USER1      Date: 10/07/03
                        PSDetect Main Menu          QPADEV0011  Time: 12:04:52

Select one of the following:

  1  Work With Alert Log
  2  Work With Console Log
  3  Work With Alert Filters
  4  Work With Monitors

10  General System Menu
11  PSDetect Action Setup Menu

20  PSDetect QuickStart Wizard

Enter Option or Function/Type ==> _____

F1=Help      F3=Exit      F6=Messages  F9=Window    F10=Cmd Line
F12=Previous F13=Attention F14=Batch Jobs F18=Reports
```

Product Screens

PSDetect product screens display the data and additional options (selection and function key options) that are available to execute the major options selected on the PSDetect main menu. All PSDetect product screens are described in the following chapters. The following figure is an example of a PSDetect product screen.

PSM070R		PSDetect		2/07/08 9:48:26	
System: ANYSYSTEM		Work with Alert Log		Monitor: STOPPED	
Type options, press Enter.					
4=Delete		5=Display		6=Comms Diagnostics	
20=Edit Filter		10=Close		13=Action History	
Opt	Status	Date	Time	Alert	
___	NEW	2/04/11	9:57:20	PM7000V	AARRI QPADEV000B 172.16.150.7
___	NEW	2/04/11	9:56:19	PM7000V	AARRI QPADEV000B 172.16.150.7
___	NEW	2/04/11	9:54:38	PM7000V	AARRI QPADEV000B 172.16.150.7
___	NEW	2/04/11	9:54:15	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/11	9:54:14	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/05	11:07:30	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/05	11:07:07	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/05	11:07:06	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/05	11:07:06	PM7000V	AARRI QPADEV0007 172.16.150.7
___	NEW	2/04/05	11:07:05	PM7000V	AARRI QPADEV0007 172.16.150.7
___	CONSOLE	2/03/25	11:01:11	Job 080804/QSECOFR/XAUSERSOLD	started on 02/03
___	CONSOLE	2/03/25	10:00:06	Job 080797/QSECOFR/XAFTPUSAGE	started on 02/03
More...					
F3=Exit		F5=Refresh		F12=Cancel	
F16=Purge		F17=Subset		F10=Display Alert ID/Queue	
		F21=Command Line			

Command Screens

Command screens provide input fields where you can specify additional criteria to perform the appropriate task, such as determine how PSDVIEW alert messages are sent to the specified user ID. The following figure shows an example of a PSDetect command screen.

PSDetect commands can be issued from any i5/OS command line or from within customer-developed programs. For PSDetect commands to function correctly, the PSCOMMON library must be at the top of the library list.

```
Console (CONSOLE)

Type choices, press Enter.

Delivery . . . . . *BREAK      *BREAK, *NOTIFY, *HOLD

                                                                    Bottom
F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```

Pop-up Windows

Pop-up windows are displayed on top of the existing screen to provide additional information. For example, the Paging Action pop-up window shown below is used to define a paging action from the Work with Actions screen. Pop-up windows can also be used to provide field specific information, such as a list of valid entries.

When a pop-up window is displayed, type the appropriate entries and press ENTER to exit the pop-up window and redisplay the existing screen.

PSM030R

PSDetect

8/30/02

Work with Actions

Filter description : PSDetect Alerts

Filter sequence : 10

Type choices

Action . .

Delay before

Perform on s

Paging Action

Type choices, press Enter.

Send message to

No. times to send

Interval between messages

Text message to send . .

Name, F4=List

1 - 999 times

1 - 999 minutes

*MSG

*MSG, Text

Number

F4=List

F10=Substitution Variables

F12=Cancel

F4=List

F12=Cancel

Preparing to Use PSDetect

Before you start using PSDetect, verify product installation and review the product documentation.

To verify product installation:

1. From the command line on the iSeries system where the product was installed, type the following IBM command:

DSPSFWRSC

2. Press the PAGE DOWN key to scroll through the list until you find 1PSD001 in the **Resource ID** column.
3. Press F11 (Display libraries/releases) to view the library where this product was installed.

When PSDetect is installed, the following initial data is also created:

- product library PSDETECT
- product library pointer (data area PSDLIB) in the library QGPL

Verify Modem Installation

To use the paging feature of PSDetect, you will need to connect an asynchronous modem to a V.24 communications adapter on your iSeries system.

The modem needs to be capable of sending data at a relatively slow speed, 300 or 2400 BPS is usually ideal, although the speed will sometimes be governed by the particular paging company you will be using. Some paging companies only accept data that is sent at a certain speed.

When configuring the paging function, we recommend the use of a dedicated communications resource and modem. Sharing resources and modems with other applications can cause notification delays.

To determine if the resource you are using is already being used by another application, issue the **WRKHDWRSC TYPE(*CMN)** command. Then type 5 (Work with Configuration Description) beside the selected resource and press Enter. Any line descriptions that are using the selected resource will be shown. Check the configuration (option 8) for each of the line descriptions listed to ensure that they are all in **VARIED OFF** state.

PSDetect QuickStart Wizard

After PSDetect is installed, use the PSDetect QuickStart Wizard to configure the product. The PSDetect QuickStart Wizard simplifies the initial setup of primary PSDetect controls. The wizard prompts you for information about how you want to use PSDetect and then configures the product. For more information about configuring PSDetect, see the *NetIQ Security Solutions for iSeries Installation Guide*.

Before starting the PSDetect QuickStart Wizard, gather the following information:

Action	Information to gather	Where to locate the information
Email	TCP/IP address for corporate e-mail server or router.	Contact your network administrator.
	Name of the corporate e-mail server or router.	Contact your network administrator.
	E-mail address of the user to receive alerts.	Contact your network administrator.
Paging	Communication resource name used for paging.	V.24 communication resource with an asynchronous capable modem.
	Model of modem.	Located on the modem.
	Name of your paging service provider.	Contact your network administrator.
	Individual pager phone number, or pager PIN.	Contact your paging service provider.
SNMP Trap	TCP/IP address of the computer monitoring for SNMP traps.	Contact your network administrator
*SEC MGR	TCP/IP address for the central computer where Security Manager monitors for alerts.	Contact your network administrator

The PSDetect QuickStart Configuration Wizard can be accessed by executing the following option starting at the PSDetect Main Menu:

Opt 20 (PSDetect QuickStart Wizard)

```
PD10                      NetIQ Corporation          USER1      Date:  8/30/02
                          PSDetect Main Menu         QPADEV0011  Time: 13:00:44

Selec
 1  W
 2  W
 3  W   This wizard will take you through a few basic
 4  W   steps to help you start monitoring for important
      events that are occurring on your system. This
      wizard will help you setup and configure your
10  G   system for paging and email support, as well as
11  P   give you the option to setup predefined filters
      that will monitor for important events on your
      system.

20  P

Ente                      28 steps
      F3=Exit   Enter=Continue

F1=He
F12=P                      F10=Cmd Line
```

The configuration settings that you specify are applied when the wizard completes its cycle. To cancel the wizard before the settings are applied, press F3 (EXIT).

Online Help

When the F1=Help function is listed at the bottom of a PSDetect screen, additional information about the screen, or a specific field is available.

When the cursor is in a field, pressing F1 (Help) causes a pop-up help window to display with field specific information. If you press F1 while the cursor is not in a specific field, help is displayed for the entire screen.

Chapter 3

PSDetect Operations

This chapter describes the options from the PSDetect Main Menu that can be performed through the user interface.

PSDetect Main Menu

The PSDetect Main Menu provides access to subscreens which are used to monitor for specific messages or events that occur on your system, and perform actions based on those events.

```
PD0                               NetIQ Corporation          USER1      Date: 10/07/03
                                PSDetect Main Menu          QPADEV0011 Time: 12:04:52

Select one of the following:

1  Work With Alert Log
2  Work With Console Log
3  Work With Alert Filters
4  Work With Monitors

10 General System Menu
11 PSDetect Action Setup Menu

20 PSDetect QuickStart Wizard

Enter Option or Function/Type ==> _____

F1=Help      F3=Exit      F6=Messages  F9=Window    F10=Cmd Line
F12=Previous F13=Attention F14=Batch Jobs F18=Reports
```

This menu includes the following header, menu option, and function key information:

Header Information

function name

The code for this function. In this case, “PD0” indicates that the PSDetect Main Menu is the base menu displayed when the PSDetect application is selected from the NetIQ Product Access Menu.

panel name

The name of the panel displayed.

user

The user profile that is running the interactive session.

date

The date the screen was accessed displays in the system-defined format.

time

The time the screen was accessed in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Menu Option Information

Work with Alert Log

Displays the Work with Alert Log screen, which is used to view all messages detected by the Alert Monitor. For more information, see “Work with Alert Log” on page 22.

Work with Console Log

Displays the Work with Console Log screen, which is used to view messages detected by the Alert Monitor with a status of CONSOLE. For more information, see “Work with Console Log” on page 96.

Work with Alert Queues/Filters

Displays the Work with Alert Filters screen, which is used to view defined alert filters and access screens used to create, change, and delete message filters for individual alert queues. For more information, see “Work with Alert Queues/Filters” on page 102

Work with Monitors

Displays the Work with Monitors screen, which is used to view the status of each monitor and access screens used to view history, system defaults, and activity details for each individual monitor. For more information, see “Work with Monitors” on page 124.

General System Menu

Displays the General System Menu, which is used to access menu options to customize PSDetect on your system. For more information, see “General System Menu” on page 159.

PSDetect Action Setup Menu

Displays the PSDetect Action Setup Menu, which is used to access menu options to define the attributes for specific actions. For more information, see “PSDetect Action Setup Menu” on page 203.

PSDetect QuickStart Wizard

Accesses the PSDetect QuickStart Configuration Wizard, which prompts the user to answer a series of questions in order to setup the product quickly and easily. For more information, see “PSDetect QuickStart Wizard” on page 14.

Function Key Information

The following table describes the function keys that are available on the PSDetect Main Menu, General System Menu, PSDetect Action Setup Menu, and PSDetect Wizards Menu.

Key	Description
F1=Help	Displays Help for the field where the cursor is positioned. If the cursor is not positioned in a specific field, Help is displayed for the entire screen.
F3=Exit	Exits the current application or display.
F6=Messages	Displays the Display Message screen where all messages that were sent to the user are shown.
F9=Window	Opens an i5/OS command window, which can be used for performing additional RRM functions.
F10=Cmd Line	Displays a command line, which can be used for performing additional i5/OS functions.
F12=Previous	Displays the screen that was previously displayed.
F13=Attention	Displays the Group Jobs Screen where you can work with group jobs.
F14=Batch Jobs	Displays the Work with Submitted Jobs screen where the name and status of all jobs submitted by the user are displayed.
F18=Reports	Displays the Work with All Spooled Files screen where all reports generated by the user are displayed.

Work with Alert Log

The Work with Alert Log screen provides a central location where you can view all messages that the Alert Monitor detects on the iSeries system, based on user-defined alert filters.

The Work with Alert Log screen is displayed by executing the following option starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)

```

PSM070R                      PSDetect                      6/20/02 10:39:32
System: ANYSYSTEM              Work with Alert Log          Monitor: ACTIVE

Type options, press Enter.
  4=Delete    5=Display    6=Comms Diagnostics    10=Close    13=Action History
  20=Edit Filter

Opt  Status    Date       Time       Alert
____  _____  _____  _____  _____
NEW   6/18/02   17:34:47   PM7000V    JDB         QPADEV000K  172.16.128.8
NEW   6/18/02   17:34:47   PM7000V    PMB         QPADEV0005  172.16.150.1
NEW   6/18/02   17:34:47   PM7000V    PMB         QPADEV0005  172.16.150.1
NEW   6/18/02   17:34:46   PM7000V    JDB         QPADEV000K  172.16.128.8

Bottom
F3=Exit      F5=Refresh   F12=Cancel   F10=Display Alert ID/Queue
F16=Purge    F17=Subset   F21=Command Line

```

This screen includes the following header, selection option, alert log, and function key information:

Header Information

screen format

Displays the name of the format used for this panel.

system

Displays the name of the system being used.

panel name

Displays the name of the panel displayed.

date

Displays the date the screen was accessed in the system-defined format.

time

Displays the time the screen was accessed in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

monitor status

Displays the current status of the monitor that is displayed. In this example, the monitor is in ACTIVE status.

Selection Option Information

4=Delete

Accesses the Confirm Delete of Log Entry screen, which is used to delete a single log entry. Press ENTER to confirm the deletion and return to the Work with Alert Log screen. To return to the Work with Alert Log screen without deleting the displayed log entry, press F12 (Cancel).

Note

The Delete option is not allowed for alert messages with a status of PAGING or OPEN.

5=Display

Lets you view the details for a selected alert log entry. For more information, see the “Display Alert Detail” on page 27.

6=Comms Diagnostics

Lets you view the communication diagnostics for a particular message. When a filter has a paging action defined, you can track the progress of the page being sent. For more information, see “Display Communications Diag. Log” on page 188. This option is available only for paging actions.

10=Close

Lets you close an alert. You may want to close an alert to stop further escalation of an alert or to prevent actions from being performed. For more information, see “Confirm Close an Alert” on page 31.

13=Action History

Lets you view the action history for a specific log entry. For more information, see “Action History” on page 33.

20=Edit Filter

Lets you edit a filter that has generated a specific alert. For more information, see “Edit Alert Filter” on page 38.

Alert Log Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Status

The phase the alert message has reached in the PSDetect process. Based upon an alert message’s status, the Alert Log will always be sequenced in the following order:

PAGING

The message is currently executing its paging routine. To show the progress of a specific message, type **6** (Communication Diagnostics) in the **Opt** field and press ENTER.

OPEN

There are two possible reasons for the status being OPEN:

- An action is currently being performed that is not a paging action, such as a command, log, or forward action.
- An alert is currently being escalated or has failed to connect to the paging service provider and is awaiting it’s next paging attempt.

NEW

The monitor has picked up the alert but an action has yet to be performed.

CONSOLE

Alerts that had an action of **LOG** or **PSDVIEW**. Alerts with a status of **CONSOLE** retain that status until they are closed or purged.

ERROR

Indicates that a problem occurred while performing the specified action. To determine the problem, you can select option 13 (Action History).

CLOSED

There are two possible reasons for the status being **CLOSED**:

- All of the actions have been performed successfully for the alert.
- The alert was manually closed (stopping alert escalation) by selecting option 10 (Close) from the “Work with Alert Log” screen.

Date

The date when the alert message was retrieved from the iSeries system in the system-defined format.

Time

The time when the alert message was retrieved from the iSeries system in *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Alert

Displays up to 46 characters of the alert message that was retrieved from the iSeries system. To view the entire alert message, type 5 (Display) in the **Opt** field for the appropriate line and press ENTER. The Alert Detail Display screen displays.

Function Keys

F3=Exit

Exits the Work with Alert Log screen and re-displays the PSDetect Main Menu.

F5=Refresh

Re-displays the screen with current results.

F10=Display Alert ID/queue

Toggles on and off the display line, which includes values for the **Alert ID**, **Type**, **Queue**, and **Seq** (sequence number) of the alert filter that retrieved this alert message.

F12=Cancel

Re-displays the PSDetect Main Menu.

F16=Purge

Lets you purge Alert Log entries by status. For more information about purging alert log entries, see “Purge Alert Log” on page 90.

F17=Subset

Lets you select a more customized display of the Alert Log. For more information, see “Subset Alert Log” on page 92.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Display Alert Detail

The Display Alert Detail screen provides specific information about a single alert message from the previous screen. This screen is display only; information cannot be changed on this screen.

The Display Alert Detail screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	>	5 (Display)
Opt 2 (Work With Console Log)	>	5 (Display)

PSM070R	PSDetect	02/05/23			
Display Alert Detail					
Date/time alert entered system	:	02/04/11	9:57:20		
Status	:	NEW			
Alert queue	:	PSDAPI			
Filter sequence no. processed	:	0010			
Alert ID	:	PWD9999			
Alert text	:	PM7000V	AARRI	QPADEV000B	172.16.150.76
Alert type	:	INFO			
Alert severity	:	00			
Message file	:	/			
System	:	ANYSYSTEM			
F3=Exit F10=Display Message Data F12=Cancel					

This screen includes the following header, display, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Display Information

Date/time alert entered system

Displays the date and time the alert message was detected. The date displays in the system-defined format. The time displays in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Status

Displays phase that the alert message has reached in the PSDetect process.

Alert queue

Displays the alert queue that was monitored for the message.

Filter sequence no. processed

Displays the user-defined sequence number of the filter which retrieved the alert message.

Alert ID

Displays the application specific message identification of the alert message that was retrieved from the iSeries system.

Alert text

Displays the application specific text of the alert message that was retrieved from the iSeries system.

Alert type

Displays the type of the alert message that was retrieved from the iSeries system. User-defined alert filters can be customized to monitor for messages based on their alert type. Valid alert types are as follows:

***ALL**

Show all alert type messages.

INQ

Show inquiry messages.

COMP

Show completion messages.

INFO

Show informational messages.

ESC

Show escape messages.

NOTIFY

Show notification messages.

DIAG

Show diagnostic messages.

Alert severity

The unit of measurement used to determine the importance of an alert message retrieved from the iSeries system. User-defined alert filters can be customized to search for messages that meet or exceed a specific severity level. This can help reduce the amount of non-critical messages that are sent to the Work with Alert Log screen.

Message file

Displays the file from where the message was retrieved on the iSeries system.

System

Displays the specific iSeries system where the message file was located.

Function Key Information

F3=Exit

Exits the Display Alert Detail screen and re-displays the PSDetect Main Menu.

F10=Display Message Data

Toggles between the Display Alert Detail screen and the Display Message Data screen, which displays second level text and the variable data message that was passed with the alert message from the application on the iSeries system.

F12=Cancel

Re-displays the previous screen.

Confirm Close an Alert

The Confirm Close an Alert screen lets you to verify that the alert chosen from either the Work with Alert Log screen or the Work with Console Log screen should be closed. After reviewing the alert detail, press ENTER to close the alert or press F12 to cancel the function and return to the previous screen.

The Confirm Close an Alert screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)

>

10 (Close)

Opt 2 (Work With Console Log)

>

10 (Close)

```
PSM070R          PSDetect          2/05/23
                  Confirm Close an Alert

Press Enter to confirm your choice for 10=Close.
Press F12=Cancel to return to change your choice.

Date/time alert entered system . . : 2/04/11    9:57:20
Status . . . . . : NEW

Alert queue . . . . . : PSDAPI
Filter sequence no. processed . . : 0010

Alert ID . . . . . : PWD9999
Alert text . . . . . : PM7000V    AARRI    QPADEV000B 172.16.
150.76

F12=Cancel
```


This screen includes the following header, display, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Display Information

Date/time alert entered system

Displays the date and time the alert message entered the system. The date displays in the system-defined format. The time displays in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Status

Displays the condition of the alert message that was retrieved from the iSeries system.

Alert queue

Displays the alert queue where the alert message was detected.

Filter sequence no. processed

Displays the user-defined sequence number of the filter which retrieved the alert message.

Alert ID

Displays the application specific message identification of the alert message that was retrieved from the iSeries system.

Alert text

Displays the application specific text of the alert message that was retrieved from the iSeries system.

Function Key Information

F12=Cancel

Re-displays the previous screen without closing the alert.

Action History

The Action History screen provides the following information for the displayed alert message:

- Actions that have already been performed.
- Actions that are waiting to be performed.
- Pager messages that have been initiated, but not successfully received.

This information can be used to determine where the action is in the PSDetect process. For example, if an alert filter is set up to send a page when an alert message meets the specified selection criteria, the paging action for the alert message might display in the **Outstanding Actions** section, and in the **Outstanding Pager Messages** section if the page has been sent, but not successfully received.

The Action History screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log) > 13 (Action History)

Opt 2 (Work With Console Log) > 13 (Action History)

```
PSM070R          PSDetect          9/25/02 10:26:37
                                     Action History

Alert date/time . : 2/19/05    9:00:13
Alert text . . . : Job 080793/QSECOFR/ZAACL28CC started on 2/19/05 at 09

   Date      Time      Action      Value
2/19/05    9:00:14  PSDVIEW    Console/PC Viewer
2/19/05    9:00:15  PAGE       Message to USER1 passed to Paging Monitor
2/19/05    9:00:31  PAGE       PSDetect Line/Controller error: Pager-USER1 will be
                                     retried, Message-Job 080793/QSECOFR/ZAACL28 ...
2/19/05    9:01:33  PAGE       PSDetect Line/Controller error: Pager-USER1 will +
                                     Outstanding Actions
-----

Action      Wait      System      Action Parameters
COMMAND     0      *LOCAL     CMD (CALL QGPL/BMTDLYJOB...)
LOG         0      *LOCAL     LOG STATUS(NEW)
-----
Outstanding Pager Messages
-----

   Date      Time      To Pager      Attempts      Message
9/25/02 14:30:56 BARRY          1      Job 000777/QSECOFR/QDFTJOB started on

F3=Exit    F5=Refresh  F12=Cancel
```

This screen includes the following header, selection option, action history, outstanding action, outstanding pager message, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Action History Information

Alert date/time

Displays the date and time of the alert message in the system-defined date format and *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Alert text

Displays the application-specific text for the alert message that was retrieved from the iSeries system.

Date

Displays the date of the action that was performed in system-defined format.

Time

Displays the time the action that was performed in *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

Action

Displays the type of action that was performed by PSDetect. Valid actions are as follows:

PAGE

Send text/tone message to pager/phone.

PSDVIEW

Notify/break on Console.

COMMAND

Execute command.

FORWARD

Forward alert to a message queue.

LOG

Log only, no action required.

EMAIL

Send an e-mail message.

TRAP

Send SNMP trap message.

MIXED

Send mixed pager, e-mail, and trap message.

Value

Displays specific information about the action that was performed. For example, if the entry in the **Action** column is COMMAND, then the information displayed in the **Value** column is the actual i5/OS command that was run.

Outstanding Actions Information

Action

Displays the type of action that is scheduled to be performed by PSDetect for the specified alert message.

Wait

Displays the number of seconds that elapse before an action is performed. The number of seconds displayed in this column corresponds to the entry in the **Delay before action** field on the Work with Actions screen.

System

Displays the iSeries system where the action will be performed. The system displayed in this column corresponds to the entry in the **Perform on system** field on the Work with Actions screen.

Action Parameters

Displays detailed information about the action to be performed. For example, if the entry in the **Action** column is COMMAND, the information displayed in the **Value** column is the i5/OS command to be run.

Outstanding Pager Messages Information

Date

Displays the date when the page was initiated by PSDetect in the system-defined format.

Time

Displays the time when the page was initiated by PSDetect in *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

To Pager

Displays the user-defined 10-character name of the pager when the page was sent to. The pager name that is displayed corresponds to the entry in the **Name** field on the Work with Pagers screen.

Attempts

Displays the number of times that PSDetect has initiated a page for the alert message. For example, a value of **3** in this column indicates that two unsuccessful pages were sent by PSDetect, and a third page has been initiated.

Message

Displays the first 38 characters of the message text that was sent in a page. The message displayed in this column corresponds to the entry in the **Text message to send** field on the Paging Action and Change Paging Action screens.

Function Key Information

F3=Exit

Exits the Action History screen and re-displays the PSDetect Main Menu.

F5=Refresh

Re-displays the screen with current results.

F12=Cancel

Re-displays the previous screen.

Edit Alert Filter

The Edit Alert Filter screen lets you work with the appropriate filter sequence to quickly edit the details that caused the message to be selected by the monitor. Any changes made will go into effect the next time the Alert Monitor checks for new messages.

The Edit Alert Filter screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	>	20 (Edit Filter)
Opt 2 (Work With Console Log)	>	20 (Edit Filter)

PSM030R

PSDetect

2/05/20

Edit Alert Filter

Type choices, press Enter.

Filter sequence . . .

10

Filter description . .

PSDetect Alerts

Alert type

ANY

ANY, INQ, COMP, INFO, ESC, NOTIFY, DIAG

Severity filter . . .

00

00 - 99

Time range

0000 - 2359

HHMM (24 hours)

Monitor on days:

Mon

Tues

Wed

Thur

Fri

Sat

Sun

Y=Yes, N=No

Y

Y

Y

Y

Y

Y

Y

F12=Cancel

F10=Work with Selection Criteria and Actions

This screen includes the following header, alert filter, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Filter Information

Filter sequence

Displays the unique sequence number of the user-defined filter.

Filter Description

The explanation of the alert filter.

Message Type

The type of message that the filter is set up to monitor. For example, a filter can be set up to find only messages that require a reply by filtering for messages with a type of **INQ** (Inquiry). The default message type for this field is **ANY**.

Severity Filter

The assigned value that indicates the importance of a message detected on the iSeries system. The severity level of the message must meet or exceed the value specified in the **Severity Filter** field. This function is used to reduce the number of non-critical messages.

Time Range

The beginning and ending time of a time range when you want the monitor to scan for alerts matching this filter sequence. The appropriate times should be entered in the *HHMM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute. For example, 8:00 PM should be specified as '2000'.

Monitor on Days

The days when you want the filter sequence to be monitored. The default setting is to monitor every day.

Function Key Information

F10=Work with Selection Criteria and Actions

Displays the Selection Criteria screen for the displayed alert filter. For more information, see "Selection Criteria" on page 40.

F12=Cancel

Re-displays the previous screen.

Selection Criteria

The Selection Criteria screen is used to view and change the defined criteria used to monitor application specific messages and the actions performed for the specified alert filter.

The Selection Criteria screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log) > 20 (Edit Filter) > **F10** (Work with Selection Criteria and Actions)

Opt 2 (Work With Console Log) > 20 (Edit Filter) > **F10** (Work with Selection Criteria and Actions)

PSM030R	PSDetect	5/20/02
Selection Criteria		
Filter description : test for qsecofr		Filter sequence : 2
Type options, press Enter.		
2=Change 3=Copy 4=Delete 8=Compare Data Variables 9=Alternative Action		
Opt	Sel/Omit	Msg ID First Level Text Comp Data
___	S	CPF1124 Job &3/&2/&1 started on &5 at &4 in subsystem YES
----- Actions -----		
Opt	Action	Delay System Parameters Alt'ive
___	PSDVIEW	0 *LOCAL Display on Console or PC Viewer *NONE
___	PAGE	0 *LOCAL PGR(MIKE) MSG(*MSG) TIMES(1) *NONE
F3=Exit F6=Create F11=View 2 F12=Cancel		

This screen includes the following header, selection option, criteria, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

When this selection option is entered in the **Opt** field for a message ID, the Alert Filter Selection Criteria screen is displayed. For more information, see “Alert Filter Selection Criteria - Change” on page 45.

When this selection option is entered in the **Opt** field for an action, the action specific Change Action screen is displayed. For more information about each Change Action screen beginning with the paging action, see “Change Paging Action” on page 47.

3=Copy

Accesses the Alert Filter Selection Criteria screen with the field entries automatically entered. To make any changes, move the cursor to the appropriate field and type the appropriate change.

To create the appropriate selection criteria, press ENTER. A pop-up window displays, which lets you to indicate whether the compare data information should be copied. This feature lets you to quickly set up identical selection criteria and compare data to scan different message IDs, message files, or libraries.

4=Delete

Access the Confirm Delete screen for either Selection Criteria or Actions. This screen displays the selection criteria to be deleted based on the Message ID, or the Action and Parameters based on the Action selected. To confirm the deletion, press ENTER. To cancel the delete function, press F12 (Cancel). The Selection Criteria screen is displayed without deleting the selection.

8=Compare Data Variables

Access the Alert Filter Compare Data Variables screen to narrow down search criteria to meet messages with the corresponding variable data or text for the specified filter and message ID. This selection option is only valid for individual message IDs. For more information, see “Alert Filter Compare Data Variables” on page 70.

9=Alternative Action

Access the Work with Alternative Action screen to define an action that should be performed if the action selected cannot be performed. This selection option is only valid for COMMAND, CONSOLE, FORWARD, and PAGE actions. For more information, see “Work With Alternative Action” on page 74.

Selection Criteria Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Sel/Omit

Displays whether the message ID is included or excluded when an action is performed based on the specified alert filter. ‘S’ (Select) includes this message ID for action processing and ‘O’ (Omit) excludes it from action processing.

For example, if the generic message ID *CPF is selected for the action processing assigned to the alert filter, a single message ID, such as CPF001, can then be omitted from having the action performed.

For more information about defining the selection criteria based on message ID, see “Alert Filter Selection Criteria - Change” on page 45.

Msg ID

Displays the application specific message identification of the alert message to be monitored on the iSeries system.

First Level Text

Displays the application specific text of the alert message to be monitored on the iSeries system.

Comp Data

Displays whether compare data has been defined for the selected message in the Alert Filter Compare Data Variables screen. If compare data has been defined, 'YES' displays in this column. If compare data has not been defined, this column is left blank. For more information, see "Alert Filter Compare Data Variables" on page 70.

Actions Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Action

Displays the type of action to be performed by PSDetect for the selected alert filter.

Delay

Displays the number of seconds that elapse before the action is performed.

System

Displays the specific iSeries system where the action will be performed by PSDetect.

Parameters

Displays specific information about the action to be performed. For example, if the entry in the **Action** column is COMMAND, then the information displayed in the **Value** column is the actual i5/OS command to be run.

Alt'ive

Displays whether an alternative action has been defined for the specified action in the Work with Alternative Action screen. If an alternative action has been defined, the specific action displays in this column. If an alternative action has not been defined, '*NONE' displays in this column. For more information, see "Work With Alternative Action" on page 74.

Function Key Information

F3=Exit

Exits the Selection Criteria screen and re-displays the PSDetect Main Menu.

F6=Create

Access the Alert Filter Selection Criteria screen. For more information, see “Alert Filter Selection Criteria - Create” on page 77.

F11=Toggle View

Changes the type of data displayed for the listed message IDs, and actions.

F12=Cancel

Re-displays the Edit Filter screen.

Alert Filter Selection Criteria - Change

The Alert Filter Selection Criteria - Change screen is used to update the application specific message information which is monitored for the specified filter.

The Alert Filter Selection Criteria screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	>	20 (Edit Filter)	>	F10 (Work with Selection Criteria and Actions)	>	2 (Change) Selection Criteria
Opt 2 (Work With Console Log)	>	20 (Edit Filter)	>	F10 (Work with Selection Criteria and Actions)	>	2 (Change) Selection Criteria

PSM030R

PSDetect

2/06/07

Alert Filter Selection Criteria

Filter description : Test

Type choices, press Enter.

Select or Omit S S=Select, O=Omit

Message ID CAE0005 Name, Name*, *ALL

Retrieve message description from:

Message file QCFMSG Name, F4=List

Library QSYS Name, *LIBL

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Filter Selection Criteria Information

Select or Omit

Displays either 'S' to Select or 'O' to Omit, depending on whether the filter has been selected for action processing or omitted from action processing. If an Omit is specified here, it is only for this particular Alert Filter. Messages matching similar selection criteria in other Alert Filters may be selected for processing.

Message ID

Displays the required message ID, which can be a specific Message ID, a generic range or *ALL.

Message file

Displays the message file where the specified message ID is located.

Library

Displays the library where the message file is located.

Change Paging Action

Typing 2 (Change) in the **Opt** field to the left of the PAGE action accesses the Change Paging Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Paging Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Paging
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Paging
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Paging

PSM030R

PSDetect

2/06/26

Change Paging Action

Filter description . . : PSDetect Alerts

Type choices, press Enter.

Delay before action . . . 0 0 - 9999 seconds

Perform on system . . . *LOCAL *LOCAL, remote location name, F4=List

Send message to . . . MIKE Name, F4=List

No. times to send . . . 1 1 - 999 times

Interval between messages 10 1 - 999 minutes

Text message to send . .

*MSG *MSG or

Text

Numeric/tonal message . . Number

F4=List F10=Substitution Variables F12=Cancel

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Paging Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Send message to

Displays the name of the Pager, Phone, Escalation List, Broadcast Group, Schedule or Rota that you want the message to go to. If you use a Pager Schedule, then the Schedule will determine who should be paged according to the date, or day, and the time of day the message is received. The F4 (List) key will display all the valid Pagers, Phones, Lists, Groups and Schedules for selection. For information about setting up pagers, phones, lists, groups, and schedules, see “PSDetect Action Setup Menu” on page 203.

No. Times to Send

Displays the number of time the message should be sent to the specified pager or phone number. If an Escalation List is used, all members of the Escalation List will be paged the number of times entered. For example, if the No. Times to Send is set to 3, then all members in the Escalation List will each get sent a message three times.

Interval Between Messages

Displays the number of minutes that elapse between when each message is sent. This parameter is only used if the No. Times to Send is greater than one or if an Escalation List is being used.

Text Message to Send

Displays what message will be displayed on a message pager or digital mobile phone.

*MSG (the default) will display the i5/OS first level message text. You can substitute this with your own worded message.

Numeric or Tonal Message

If you are using a numeric or tone pager, or sending tones to a telephone, enter the numeric code here.

If you are using an Escalation List, Broadcast Group or Pager Schedule and there are a mixture of pagers and/or phones defined, for example both alpha message pagers and numeric pagers are used, you would define both a text message and a numeric/tone message together on this screen.

Press F10 (Substitution Variables) to view the PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone.

Function Key Information

F4=List

Displays a pop-up window of valid field entries based on the location of the cursor. To select an entry from the list, type **1** (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Accesses the Substitution Variables pop-up window which provides a list of PSDetect variables that can be passed as parameters to your CL or other High Level Language programs. For more information, see “Substitution Variables” on page 69.

F12=Cancel

Re-displays the Selection Criteria screen.

Change PSDVIEW Action

Typing 2 (Change) in the **Opt** field to the left of the PSDVIEW action accesses the Change PSDVIEW Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change PSDVIEW Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) PSDVIEW
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) PSDVIEW
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) PSDVIEW

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PSDetect

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Change PSDVIEW Action

Filter description . . : PSDetect Alerts

Type choices, press Enter.

Delay before action . . . 00 0 - 9999 seconds

Perform on system *LOCAL *LOCAL, remote location name, F4=List

F4=List F12=Cancel

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

PSDView Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Function Key Information

F4=List

Displays the Select Remote Location Name pop-up window. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Selection Criteria screen.

Change Command Action

Typing 2 (Change) in the **Opt** field to the left of the COMMAND action accesses the Change Command Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Command Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Command
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Command
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Command

PSM030R

PSDetect

2/06/26

Change Command Action

Filter description . . : PSDetect Alerts

Type choices, press Enter.

Delay before action . . . 00 - 9999 seconds

Perform on system . . . *LOCAL *LOCAL, remote location name, F4=List

Command to execute . . . STRMS

Command, F4=Prompt

F4=List/Prompt F10=Substitution Variables F12=Cancel

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Command Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Command to execute

Displays the appropriate CL command. To display a prompt screen based upon the entered CL command, press F4 (Prompt).

Function Key Information

F4=List/Prompt

Displays information based on the location of the cursor. When the cursor is in the **Perform on system** field, a pop-up window containing all valid remote locations displays. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER. When the cursor is in the **Command to execute** field, a prompt screen displays based upon the entered CL command.

F10=Substitution Variables

Accesses the Substitution Variables pop-up window that provides a list of PSDetect variables that can be passed as parameters to your CL or other High Level Language programs. For more information, see “Substitution Variables” on page 69.

F12=Cancel

Re-displays the Selection Criteria screen.

Change Forward Action

Typing 2 (Change) in the **Opt** field to the left of the FORWARD action accesses the Change Forward Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Forward Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Forward
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Forward
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Forward

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Change Forward Action		
Filter description . . : PSDetect Alerts		
Type choices, press Enter.		
Delay before action . . .	<u>0</u>	0 - 9999 seconds
Perform on system	<u>*LOCAL</u>	*LOCAL, remote location name, F4=List
Forward to another queue:		
Message queue	<u>BMTXPA</u>	Name, F4=List
Library	<u>QSYS</u>	Name, *LIBL
Forward using SNADS to:		
User ID	<u></u>	Name, F4=List
Address	<u></u>	Name
F4=List F15=Work with Directory F12=Cancel		

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Forward Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Forward to another queue: Message queue/Library

Enter the name of the Message Queue and Library where the message is to be forwarded. Press F4 (List) to display valid Message Queues for selection.

User ID/Address

Enter the User ID and the Address where the message should be sent, when sending messages to another iSeries system via SNADS.

Function Key Information

F4=List

Displays the Select Remote Location Name pop-up window. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Selection Criteria screen.

F15=Work with Directory

Accesses the i5/OS Work with Directory Entries screen.

Change Log Action

Typing 2 (Change) in the **Opt** field to the left of the LOG action accesses the Change Paging Log screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Log Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Log
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Log
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Log

PSM030R

PSDetect

2/06/26

Change Log Action

Filter description . : PSDetect Alerts

Type choices, press Enter.

Delay before action . . . 0 0 - 9999 seconds

Status of log entry . . . CLOSED CLOSED, NEW

F12=Cancel

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Log Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Status of log entry

Displays the status to be assigned to the alert message when it is entered in the Alert Log. Valid statuses are as follows:

CLOSED

The message will be logged to the Alert Log File and will have a status of CLOSED on the Alert Log.

NEW

The message will be logged to the Alert Log file and will have a status of NEW. Manual action will have to be taken to close the message, meaning that it has been dealt with.

Function Key Information

F12=Cancel

Re-displays the Selection Criteria screen.

Change Email Action

Typing 2 (Change) in the **Opt** field to the left of the EMAIL action accesses the Change Email Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Email Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Email
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Email
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Email

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Change Email Action		
Filter description . . : PSDetect Alerts		
Type choices, press Enter.		
Delay before action . . .	<u>0</u>	0 - 9999 seconds
Perform on system	<u>*LOCAL</u>	*LOCAL, remote location name, F4=List
Send message to	<u>BECKY</u>	Name, F4=List
No. times to send	<u>1</u>	1 - 999 times
Interval between messages	<u>10</u>	1 - 999 minutes
Text message to send . .		
<u>*MSG</u>		*MSG or
		Text
F4=List F10=Substitution Variables F12=Cancel		

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Email Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Send message to

Displays the Email user, escalation list, broadcast group, schedule, or rota to receive the message. Pressing F4 (List) displays all of the valid Email users, lists, broadcast groups, schedules, and rotas.

No. times to send

Displays the number of times the message should be sent to the user or group defined in the **Send message to** field.

Interval between messages

Displays the number of minutes that elapse between when each message is sent. If the **Send message to** field contains an escalation list or a group, the value in this field indicates the amount of time PSDetect will wait before the message is sent to the next person on the list.

Text message to send

Displays the text that displays in the body of the e-mail message. The default value *MSG enters the first-level text of the monitored message in the body of the e-mail.

Function Key Information

F4=List

Displays a pop-up window of valid field entries based on the location of the cursor. To select an entry from the list, type **1** (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Accesses the Substitution Variables pop-up window which provides a list of PSDetect variables that can be passed as parameters to your CL or other High Level Language programs. For more information, see “Substitution Variables” on page 69.

F12=Cancel

Re-displays the Selection Criteria screen.

Change Mixed Action

Typing **2** (Change) in the **Opt** field to the left of the MIXED action accesses the Change Mixed Action screen. All of the displayed settings for this action can be changed by simply typing your entries and pressing ENTER.

The Change Mixed Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Mixed
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 2 (Change) Mixed
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 2 (Change) Mixed

PSM030R

PSDetect

2/06/26

Change Mixed Action

Filter description . : PSDetect Alerts

Type choices, press Enter.

Delay before action . . .

0

0 - 9999 seconds

Perform on system

*LOCAL

*LOCAL, remote location name, F4=List

Send message to

PRESTON

Name, F4=List

No. times to send

1

1 - 999 times

Interval between messages

10

1 - 999 minutes

Text message to send . .

*MSG

*MSG or Text

Numeric/tonal message . .

Number

F4=List F10=Substitution Variables F12=Cancel

This screen includes the following header, action and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Mixed Action Information

Filter description

Displays the explanation of the alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the action is to be performed. To display a list of valid systems, press F4 (List). The Select Remote Location Name pop-up window displays. To select a remote location, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Send message to

Displays the Email user, escalation list, broadcast group, schedule, or rota to receive the message. Pressing F4 (List) displays all of the valid Email users, lists, broadcast groups, schedules, and rotas.

No. times to send

Displays the number of times the message should be sent to the user or group defined in the **Send message to** field.

Interval between messages

Displays the number of minutes that elapse between when each message is sent. If the **Send message to** field contains an escalation list or a group, the value in this field indicates the amount of time PSDetect will wait before the message is sent to the next person on the list.

Text message to send

Displays the text that displays in the body of the e-mail message. The default value *MSG enters the first-level text of the monitored message in the body of the e-mail.

Numeric or Tonal Message

If you are using a numeric or tone pager, or sending tones to a telephone, enter the numeric code here.

If you are using an Escalation List, Broadcast Group or Pager Schedule and there are a mixture of pagers and/or phones defined, for example both alpha message pagers and numeric pagers are used, you would define both a text message and a numeric/tone message together on this screen.

Press F10 (Substitution Variables) to view the PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone.

Function Key Information**F4=List**

Displays a pop-up window of valid field entries based on the location of the cursor. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Accesses the Substitution Variables pop-up window which provides a list of PSDetect variables that can be passed as parameters to your CL or other High Level Language programs. For more information, see “Substitution Variables” on page 69.

F12=Cancel

Re-displays the Selection Criteria screen.

Substitution Variables

PSDetect substitution variables have been provided for the following purposes:

- To enable you to tailor the pager messages.
- To pass information to a CL command or program.

PSDetect supports the following substitution variables:

\$MSGQ

Provides the message queue where the Alert was found.

\$MSGQLIB

Provides the library where the message queue resides.

\$MSGQID

Provides the message ID of the detected message.

\$JOBNAME

Provides the name of the job that sent the message.

\$USRNAME

Provides the user ID that ran the job that sent the message.

\$JOBNBR

Provides the number of the job that sent the message.

\$MSGSEV

Provides the severity level of the detected message.

\$PGMNAME

Provides the name of the program that sent the message.

\$SYSNAME

Provides the name of the system that sent the message.

\$1-\$99

Provides the values of the substitution variables in the detected message.

Note

If the “\$” character is not valid on your keyboard, you can change it to any other character except “&”, which is invalid. To change the “\$” character, perform the following steps:

1. Issue the following command:

```
WRKMSGD PSM5000 PSDetect/PSDMSGF
```

2. Execute Option 2 (Change) against message ID PSM5000.

3. Change the \$ character in the first-level of the message text to the character of your choice.

Alert Filter Compare Data Variables

The Alert Filter Compare Data Variables screen is used to filter through application specific messages which may have the same message ID to detect messages containing specific text. Text can be located based on either the variable number contained in the message, or the starting position of the text. Once the location of the text is found in the message, it is then compared to the corresponding entry in the **Equal to Compare Data** field.

The Alert Filter Compare Data Variables screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 8 (Compare Data Variables)
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 8 (Compare Data Variables)
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 8 (Compare Data Variables)

PSM030R

PSDetect

5/20/02

Alert Filter Compare Data Variables

Filter description . . : search for qsecofr

Select/Omit : Select

Message ID : CPF1124

Message description : Job &3/&2/&1 started on &5 at &4 in subsystem &8 in &9

. Job entered system on &7 at &6.&17

Type choices, press Enter.

AND/OR

&Variable No./
Starting Position

Equal To Compare Data

&2

QSECOFR

F3=Exit F4=List Variables F10=DSPMSGD F12=Cancel

This screen includes the following header, variable, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Compare Data Variable Information

Filter description

Displays the explanation of the alert filter.

Select/Omit

Displays whether the message ID is included or excluded when an action is performed based upon the entered compare data.

An entry of ‘Select’ indicates that the defined action should be performed if the message text matches the entry in the **Equal to Compare Data** field for the specified variable or starting position.

An entry of ‘Omit’ indicates that the defined action should not be performed if the message text matches the entry in the **Equal to Compare Data** field for the specified variable or starting position.

Message ID

Displays the specific message identification number which is monitored by this alert filter on the iSeries system.

Message description

Displays the specific text of the alert message that corresponds to the specified message ID.

AND/OR

The entry in this field is used to determine if the text message of the specified message ID must match all entries in the **Equal to Compare Data** fields to be selected or omitted.

When AND is entered in this field, all entries in the **Equal to Compare Data** fields must match their corresponding variable number or starting position to be selected or omitted.

When OR is entered in this field, the message is selected or omitted if any of the entries in the **Equal to Compare Data** fields match their corresponding variable number or starting position.

&Variable No. / Starting Position

Enter the variable number or the starting position in the text message where the text entered in the **Equal to Compare Data** field will be located. To display all valid variable numbers for the displayed message ID, press F4 (List Variables). For more information about the variable number list, see “F4=List Variables” on page 73.

Equal to Compare Data

Enter the exact data that is compared to the text message for the entered variable number or starting position. If the entry in this field matches the text for the message ID, then the message is either selected or omitted based upon the entry in the **Select/Omit** field.

Function Key Information

F3=Exit

Exits the Alert Filter Compare Data Variables screen and re-displays the PSDetect Main Menu.

F4=List Variables

Display a pop-up window for the displayed message ID containing all valid variable numbers and their associated, type, length, and data format. To select a variable number, type 1 (Select) in the corresponding **Opt** field, and press ENTER.

F10=DSPMSGD

Accesses the i5/OS command Select Message Details to Display screen. To return to the PSDetect Alert Filter Compare Data Variables screen, press either F3 (Exit) or F12 (Cancel).

F12=Cancel

Re-displays the Selection Criteria screen.

Work With Alternative Action

The Work with Alternative Action screen is used to define a secondary action to be performed for the specified alert filter if the primary action cannot be performed. The specific system where the alternative action is to be performed is also user-defined and can differ from the location of the primary action.

The Work with Alternative Action screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 9 (Alternative Action)
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> 9 (Alternative Action)
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> 9 (Alternative Action)

```
PSM030R          PSDetect          5/20/02
                  Work with Alternative Action

Filter description : search for qsecofr

Primary action . . : PSDVIEW
Delay before action : 0
Perform on system . : *LOCAL

Type choices, press Enter.

Alternative action . *NONE      *NONE, PAGE, PSDVIEW, COMMAND, FORWARD, EMAIL,
MIXED
Perform on system . . *LOCAL    *LOCAL, remote location name, F4=List

F4=List  F12=Cancel
Alternative action not allowed for CONSOLE or PAGE action on the *LOCAL syst
```

This screen includes the following header, action, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Action Information

Filter description

Displays the explanation of the alert filter.

Primary action

Displays the initial action defined for the specified alert filter.

Delay before action

Displays the number of seconds that elapse before the action is performed.

Perform on system

Displays the specific iSeries system where the primary action is to be performed. When *LOCAL is entered in this field, an alternative action cannot be defined for CONSOLE or PAGE primary actions.

Alternative action

Enter the action that should be performed for the specified alert filter if the primary action cannot be performed for any reason. An alternative action can only be defined for COMMAND, CONSOLE, FORWARD, or PAGE primary actions.

Perform on system

Enter the specific iSeries system where the secondary action should be performed. To display a list of all valid remote systems, press the F4 (List) key.

Function Key Information

F4=List

Displays the Selection Remote Location Name pop-up window, which contains all valid remote systems with their associated DDM pre-fix and description. To select a remote location, type **1** (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Selection Criteria screen.

Alert Filter Selection Criteria - Create

The Alert Filter Selection Criteria - Create screen is used to define new application specific messages to monitor and where the associated application file and library are located.

The Work with Actions screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> F6 (Create Selection Criteria)
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> F6 (Create Selection Criteria)
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> F6 (Create Selection Criteria)

PSM030R

PSDetect

6/24/02

Alert Filter Selection Criteria

Filter description : VIM Actions

Type choices, press Enter.

Select or Omit S S=Select, O=Omit

Message ID *ALL Name, Name*, *ALL

Retrieve message description from:

Message file QCPFMMSG Name, F4=List

Library QSYS Name, *LIBL

This screen includes the following header, alert filter, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Filter Information

Filter description

Displays the explanation of the alert filter.

Select or Omit

.Displays either ‘S’ to Select or ‘O’ to Omit, depending on whether the filter has been selected for action processing or omitted from action processing. If an Omit is specified here, it is only for this particular Alert Filter. Messages matching similar selection criteria in other Alert Filters may be selected for processing.

Message ID

Displays the required message ID, which can be a specific Message ID, a generic range or *ALL.

Message file

Displays the message file where the specified message ID is located.

Library

Displays the library where the message file is located.

Work with Actions

Having specified a Selection Criteria, and Compare Data if required, the next screen to be displayed is the Alert Action screen below.

The Work with Actions screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> F6 (Create) Actions
Opt 2 (Work With Console Log)	> 20 (Edit Filter)	> F10 (Work with Selection Criteria and Actions)	> F6 (Create) Actions
Opt 3 (Work With Alert Queues/Filters)	> 5 (Work with Filters)	> 5 (Work with Filter Details)	> F6 (Create) Actions

```
PSM030R          PSDetect          6/24/02
                                Work with Actions

Filter description :  VIM Actions          Filter sequence :    30

Type choices, press Enter.

Action . . . . . _____ PSDVIEW, PAGE, F4=List
Delay before action . . .  _0_      0 - 9999 seconds
Perform on system . . . . *LOCAL      *LOCAL, remote location name, F4=List

F4=List  F12=Cancel
```


This screen includes the following header, action, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Actions Information

Action

Enter the type of action to perform:

PSDVIEW

Displays an alert pop-up window when in *BREAK mode, or displays a notification message at the bottom of current screen when in *NOTIFY mode. The defined alerts will be sent to the PSDetect console.

PAGE

Sends a pager message when the alert is detected. The following pop-up window displays to allow you to define paging attributes:

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PSDetect

8/30/02

Work with Actions

Filter description : PSDetect Alerts

Filter sequence : 10

Type choices

Action . .

Delay before

Perform on s

Paging Action

Type choices, press Enter.

Send message to

No. times to send

Interval between messages

Text message to send . .

Name, F4=List

1 - 999 times

1 - 999 minutes

*MSG

*MSG, Text

Number

F4=List F10=Substitution Variables F12=Cancel

F4=List F12=Cancel

Send message to

Enter the name of the Pager, Phone, Escalation List, Broadcast Group, Schedule or Rota that you want the message to go to. If you use a Pager Schedule, then the Schedule will determine who should be paged according to the date, or day, and the time of day the message is received. The F4 (List) key will display all the valid Pagers, Phones, Lists, Groups and Schedules for selection. For information about setting up pagers, phones, lists, groups, and schedules, see “PSDetect Action Setup Menu” on page 203.

No. times to send

Specifies the number of time the message should be sent to the above Pager or Phone. If an Escalation List is used, all members of the Escalation List will be paged the number of times entered. For example, if the No. Times to Send is set to 3, then all members in the Escalation List will each get sent a message three times.

Interval between messages

Enter the number of minutes between each message. This parameter is only used if the No. Times to Send is greater than one or if an Escalation List is being used.

Text message to send

Specifies what message will be displayed on a message pager or digital mobile phone.

*MSG (the default) will display the i5/OS first level message text. You can substitute this with your own worded message.

Numeric or Tonal Message

If you are using a numeric or tone pager, or sending tones to a telephone, type the numeric code here.

If you are using an Escalation List, Broadcast Group or Pager Schedule and there are a mixture of pagers and/or phones defined, for example both alpha message pagers and numeric pagers are used, you would define both a text message and a numeric/tone message together on this screen.

F4=List

Displays a pop-up window of all the valid Pagers, Phones, Lists, Groups and Schedules for selection. If you use a Pager Schedule, then the Schedule will determine who should be paged according to the date, or day, and the time of day the message is received. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Displays PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone. For more information, see "Substitution Variables" on page 69.

COMMAND

Executes a command, which can be a call to either a CL or program. The following pop-up window displays to allow you to define the command:

PSM030R

PSDetect

9/24/02

Work with Actions

Filter description : PSDetect Alerts

Filter sequence : 10

Type choices, press Enter.

Action

Delay before action

Perform on system

Command Action

Type choices, press Enter.

Command to execute

Command, F4=Prompt

F4=Prompt F10=Substitution Variables F12=Cancel

F4=List F12=Cancel

Command to Execute

Enter a valid CL command. The command can be prompted by pressing F4 (Prompt).

F4=Prompt

Displays a prompt screen based upon the entered CL command.

F10=Substitution Variables

Displays PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone. For more information, see “Substitution Variables” on page 69.

FORWARD

Forwards an alert to another alert queue or to a user on another system. The following pop-up window displays to allow you to define how the alert message is forwarded:

PSM030R

PSDetect

9/24/02

Work with Actions

Filter description : PSDetect AlertsFilter sequence : 10

Type choices, press Enter.

Action

Delay before action

Perform on system

Forward Alert Action

Type choices, press Enter.

Forward to another queue:

Message queueName, F4=List

LibraryName, *LIBL

Forward using SNADS to:

User IDName, F4=List

AddressName

F4=List F15=Work with Directory F12=Cancel

F4=List F12=Cancel

Message Queue / Library

Enter the name of the Message Queue and Library where the message is to be forwarded. Press F4 (List) to display valid Message Queues for selection.

User ID / Address

Enter the User ID and the Address where the message should be sent, when sending messages to another iSeries system via SNADS.

Note

Specify a message queue and an address OR a user ID and an address. You cannot specify both.

F4=List

Displays a pop-up window of valid field entries based on the location of the cursor. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F15=Work with Directory

Accesses the i5/OS Work with Directory Entries screen.

LOG

No action is taken, the alert is simply logged as having been received. The following pop-up window displays to allow you to define the status of the log entry:

PSM030R	PSDetect	9/24/02
Work with Actions		
Filter description :	PSDetect Alerts	Filter sequence : 10
Type choices, press Enter.		
Action	<u>LOG</u>	PSDVIEW, PAGE, F4=List
Delay before action . . .	<u>0</u>	0 - 9999 seconds
Perform on system	Log Alert	
	Type choice, press Enter.	
	Status of log entry . .	<u>CLOSED</u> CLOSED, NEW
	F12=Cancel	
F4=List F12=Cancel		

Status of Log Entry

CLOSED

The message will be logged to the Alert Log File and will have a status of CLOSED on the Alert Log.

NEW

The message will be logged to the Alert Log file and will have a status of NEW. Manual action will have to be taken to close the message, meaning that it has been dealt with.

EMAIL

Sends an e-mail to the specified e-mail address. The fields in this pop-up window are also displayed when **Mixed** Action is selected. The following pop-up window displays to allow you to define the email attributes:

PSM030R	PSDetect	9/24/02
Work with Actions		
Filter description : PSDetect Alerts		Filter sequence : 10
Type choices		
Action . .	Email Action	
Delay before	Type choices, press Enter.	
Perform on s	Send message to Name, F4=List	
	No. times to send 1	1 - 999 times
	Interval between messages 10	1 - 999 minutes
	Text message to send . . *MSG	
	_____ *MSG, Text	
	F4=List F10=Substitution Variables F12=Cancel	
F4=List F12=Cancel		

Send message to

Specify the Email user, escalation list, broadcast group, schedule, or rota to receive the message. Pressing F4 (List) displays all of the valid Email users, lists, broadcast groups, schedules, and rotas.

No. times to send

Specify the number of times the message should be sent to the user or group defined in the **Send message to** field.

Interval between messages

The number of minutes to wait after each message is sent. If the **Send message to** field contains an escalation list or a group, the value in this field indicates the amount of time PSDetect will wait before the message is sent to the next person on the list.

Text message to send

Defines the text that displays in the body of the e-mail message. By default, this value is *MSG, which places the first-level text of the monitored message in the body of the e-mail.

F4=List

Displays a pop-up window containing all valid Email users, lists, broadcast groups, schedules, and rotas which can receive the message. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Displays PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone. For more information, see “Substitution Variables” on page 69.

TRAP

Sends a Trap Package containing specified data to the trap manager. The following window displays to allow you to define the trap attributes:

PSM030R

PSDetect

9/24/02

Work with Actions

Filter description : PSDetect AlertsFilter sequence : 10

Type choices

Action . .

Delay before

Perform on s

Trap Action

Type choices, press Enter.

Trap package to send . .

No. times to send

Interval between messages

Override message sent . .

F4=List F10=Substitution Variables F12=Cancel

Name, F4=List

1 - 999 times

1 - 999 minutes

*MSG

*MSG, Text

F4=List F12=Cancel

Trap package to send

Specify the trap package that is used when the alert message is detected. Pressing F4 (List) displays all of the valid trap packages and their associated descriptions.

No. times to send

Specify the number of times the message should be sent to the user or group defined in the **Send message to** field.

Interval between messages

The number of minutes to wait after each message is sent. If the an escalation list or a group is set up for trap messages, then the value in this field indicates the amount of time PSDetect will wait before the message is sent to the next person on the list.

Text message to send

Defines the text that displays in the body of the e-mail message. By default, this value is *MSG, which places the first-level text of the monitored message in the body of the e-mail.

F4=List

Displays a pop-up window which contains all valid trap packages and their associated descriptions. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F10=Substitution Variables

Displays PSDetect variables that can be used in conjunction with your own message text to send a more meaningful message to your pager or phone. For more information, see “Substitution Variables” on page 69.

Delay before action

It may sometimes be necessary to delay an action being performed for a number of seconds or minutes.

Perform on system

Specifies the system which is to perform the action. This defaults to the *LOCAL system, however in a network of iSeries systems this can be any attached iSeries system.

Purge Alert Log

The Purge Alert Log screen is used to manually purge records at any time based on status. This screen provides a quick and easy way to purge all messages with a specific status type simultaneously.

The Purge Alert Log screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log) > F16 (Purge)

PSM070R	PSDetect	Purge Alert Log	5/20/02
Type choices, press Enter.			
Alerts to purge	<u>CLOSED</u>	CLOSED, ERROR, OPEN, NEW, PSDVIEW	
F3=Exit F12=Cancel			

This screen includes the following header, purge alert, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Purge Alert Information

Alerts to purge

Enter the status condition that you want to purge from the Alert Log. After entering the appropriate status condition, press ENTER to purge the records. The following message displays at the bottom of the screen:

Selected records have been purged from Message Log

Note

To remove all status messages from the Work with Console Log screen, enter PSDVIEW in the **Alerts to purge** field of the Purge Alert Log screen and press ENTER. The message **Selected records have been purged from Message Log** displays at the bottom of the screen.

Function Key Information

F3=Exit

Exits the Purge Alert Log screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Alert Log screen.

Subset Alert Log

The Alert Log may have too much information to make viewing easy. By choosing the Subset function, you can select a more customized list of log entries.

The Subset Alert Log screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 1 (Work With Alert Log) > F17 (Subset)

PSM070R	PSDetect	5/20/02
Subset Alert Log		
Type choices, press Enter.		
Status	<u>*ALL</u>	*ALL, OPEN, NEW, ERROR, CLOSED, CONSOLE
Alert queue . . .	<u>*ALL</u>	*ALL, Name
Alert ID	<u>*ALL</u>	*ALL, Name
Alert type	<u>*ALL</u>	*ALL, INQ, COMP, INFO, ESC, NOTIFY, DIAG
Beginning time . .	<u>*AVAIL</u>	Time (24 hours), *AVAIL
Beginning date . .	<u>*BEGIN</u>	Date, *BEGIN
Ending time . . .	<u>*AVAIL</u>	Time (24 hours), *AVAIL
Ending date . . .	<u>*END</u>	Date, *END
F12=Cancel F18=Reset "*ALL" values		

This screen includes the following header, subset, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Subset Information

Status

Enter the phase that alert messages have reached in the PSDetect process that you want to display. Valid entries and their descriptions are as follows:

***ALL**

Show all status conditions.

OPEN

An action is currently being performed that is not a paging action. An Alert is currently being escalated or has failed to connect to the Service Provider and is awaiting its next paging attempt.

NEW

The Monitor has picked up an Alert, but an action has yet to be performed.

ERROR

Invalid Pager number or Password. Invalid Service Provider telephone number. Maximum paging attempts reached without successfully sending the message.

CLOSED

All actions have been performed successfully for the Alert. Option 10 (Close) has been selected from the Work with Alert Log display to manually close the Alert (stopping Alert escalation).

Alert queue

Enter the specific alert queue where the messages were located that you want to display.

Alert ID

Enter the specific message identification number of the alert messages that were retrieved from the iSeries system that you want to display.

Alert type

Enter the type of alerts that you want to display. Valid alert types and their descriptions are as follows:

***ALL**

Show all alert type messages.

INQ

Show inquiry messages.

COMP

Show completion messages.

INFO

Show informational messages.

ESC

Show escape messages.

NOTIFY

Show notification messages.

DIAG

Show diagnostic messages.

Beginning time

Enter the earliest time a message was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of **AVAIL* displays all entries. For example, 11:59:59 PM is entered as '235959'.

Beginning date

Enter the earliest date a message was generated that you want to display. Enter the date in the system-defined format. An entry of **BEGIN* displays all entries.

Ending time

Enter the latest time a message was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of *AVAIL displays all entries. For example, 11:59:59 PM is entered as '235959'.

Ending date

Enter the latest date a message was generated that you want to display. Enter the date in the system-defined format. An entry of *END displays all entries.

Function Key Information

F12=Cancel

Re-displays the previous screen.

F18=Reset "**ALL" values

Replaces all field entries with their default entry. The value '*ALL' is entered in the **Status**, **Alert Queue**, **Alert ID**, and **Alert Type** fields. The value '*AVAIL' is entered in the **Beginning time** and **Ending time** fields. The value '* BEGIN' is entered in the **Beginning date** field, and the value '*END' is entered in the **Ending date** field.

Work with Console Log

The Work with Console Log displays any new alerts that have not been resolved and have a status of CONSOLE. These alerts require an action of PSDVIEW, or have been specifically forwarded to the Host system by the network systems.

To help make the Work with Console Log easy to read, alerts from different iSeries system can be display in different colors and/or different display attributes. For more information, see "Work with Console Attributes" on page 162.

The Work with Console Log screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 2 (Work With Console Log)

```
PSM075R          PSDetect          2/05/22 13:47:31
System: ANYSYSTEM          Work with Console Log          Monitor: ACTIVE

Type options, press Enter.
 4=Delete   5=Display   6=Comms Diagnostics   10=Close   13=Action History
20=Edit Filter

Opt  Status   Alert
___  CONSOLE  Job 080804/QSECOFR/XAUSERSOLD started on 02/0  ANYSYSTEM 11:01:11
___  CONSOLE  Job 080797/QSECOFR/XAFTPUSAGE started on 02/0  ANYSYSTEM 10:00:06
___  CONSOLE  Job 080793/QSECOFR/ZAACL28CC started on 02/03 ANYSYSTEM  9:00:13
___  CONSOLE  PM7000V   MBY      MBY      172.16.150. ANYSYSTEM  8:51:26
___  CONSOLE  PM7000V   MBY      MBY      172.16.150. ANYSYSTEM  8:51:26
___  CONSOLE  PM7000V   MBY      MBY      172.16.150. ANYSYSTEM  8:51:26
___  CONSOLE  PM7000V   QSECOFR  QPADEV000F 172.16.150. ANYSYSTEM  8:51:25
___  CONSOLE  PM7000V   QSECOFR  QPADEV000F 172.16.150. ANYSYSTEM  8:51:25
___  CONSOLE  PM7000V   QSECOFR  QPADEV000F 172.16.150. ANYSYSTEM  8:51:25
___  CONSOLE  PM7000V   GXA      QPADEV0003 172.16.150. ANYSYSTEM  8:51:25
___  CONSOLE  PM7000V   QSECOFR  QPADEV000F 172.16.150. ANYSYSTEM  8:51:24
___  CONSOLE  PM7000V   QSECOFR  QPADEV000F 172.16.150. ANYSYSTEM  8:51:24
                                         More...

F3=Exit      F5=Refresh      F10=Display Message ID      F12=Cancel      F17=Subset
F20=Work with Attributes      F21=Command Line
```

This screen includes the following header, selection option, console, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

4=Delete

Accesses the Confirm Delete of Log Entry screen, which is used to delete a single log entry. Press ENTER to confirm the deletion and return to the Work with Console Log screen. To return to the Work with Console Log screen without deleting the displayed log entry, press F12 (Cancel).

5=Display

Lets you view the details for a selected alert log entry. For more information about the type of data displayed, see “Display Alert Detail” on page 27.

6=Comms Diagnostics

Lets you view the communication diagnostics for a particular message. When a filter has a paging action defined, you can track the progress of the page being sent. For more information, see “Display Communications Diag. Log” on page 188. This option is available only for paging actions.

10=Close

Lets you close an alert. You may want to close an alert to stop further escalation of an alert or to prevent actions from being performed. For more information, see “Confirm Close an Alert” on page 31.

13=Action History

Lets you view the action history for a specific log entry. For more information, see “Action History” on page 33.

20=Edit Filter

Lets you edit a filter that has generated a specific alert. For more information, see “Edit Alert Filter” on page 38.

Console Log Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Status

The phase the alert message has reached in the PSDetect process. The entry in this column must be CONSOLE for the message to be displayed on this screen.

Alert

Displays up to 45 characters of the alert message that was retrieved from the iSeries system. To view the entire alert message, type 5 (Display) in the **Opt** field for the appropriate line and press ENTER. The Alert Detail Display screen displays.

System

The iSeries system that the message was retrieved from.

Time

The time that the alert message was retrieved from the iSeries system in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Function Key Information

F3=Exit

Exits the Work with Console Log screen and re-displays the PSDetect Main Menu.

F5=Refresh

Re-displays the screen with current results.

F10=Display Message ID

Toggles on and off the display line, which includes the alert ID, alert type, alert queue, the sequence number of the alert filter that retrieved this alert message, and the date that the message was retrieved from the iSeries system. The date displays in the system-defined format.

F12=Cancel

Re-displays the PSDetect Main Menu.

F17=Subset

Lets you select a more customized display of the Alert Log. For more information, see “Subset Alert Log” on page 92.

F20=Work with Attributes

Accesses the Work with Console Attributes screen. For more information about customizing the Console Log display, see “Work with Console Attributes” on page 162.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Subset Console Log

The Console Log may have too much information to make viewing easy. By choosing the Subset function, you can select a more customized list of log entries.

The Subset Console Log screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 2 (Work With Console Log) > F17 (Subset)

PSM075R PSDetect 2/06/19

Subset Console Log

Type choices, press Enter.

System name . . . *ALL *ALL, Name

Alert queue . . . *ALL *ALL, Name

Alert ID *ALL *ALL, Name

Alert type *ALL *ALL, INQ, COMP, INFO, ESC, NOTIFY, DIAG

F12=Cancel

This screen includes the following header, subset, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Subset Information

System

Enter the iSeries system where the messages were located that you want to display.

Alert queue

Enter the specific alert queue where the messages were located that you want to display.

Alert ID

Enter the specific message identification number of the alert messages that were retrieved from the iSeries system that you want to display.

Alert type

Enter the type of alerts that you want to display. Valid alert types and their descriptions are as follows:

*ALL

Show all alert type messages.

INQ

Show inquiry messages.

COMP

Show completion messages.

INFO

Show informational messages.

ESC

Show escape messages.

NOTIFY

Show notification messages.

DIAG

Show diagnostic messages.

Function Key Information

F12=Cancel

Re-displays the previous screen.

Work with Alert Queues/Filters

The Work with Alert Filter screen lets you view all defined alert filters from a central location.

In the upper right corner of the screen below, you can see that the Alert Monitor is in ACTIVE status. This means that alerts are being monitored on the selected alert queues. The alert monitor must be stopped if you are holding, releasing, creating, or deleting any alert queues. If all alert queues for the displayed alert monitor are in HOLD status, then the alert monitor is automatically stopped and cannot be restarted until at least one of the alert filters is changed to ACTIVE status.

The Work with Alert Filter screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters)

```
PSM030R          PSDetect          2/05/22
                                Work with Alert Filters
                                Monitor:  ACTIVE
Type options, press Enter.
  2=Change   3=Copy   4=Delete   5=Work with Filters   6=Release   7=Hold

Opt  Alert Queue   Library      Description      Held
--  -
--  PSDAPI          QSYS         PSDetect API's
--  QHST            QSYS         Monitor QHST log
--  QSYSOPR         QSYS         Monitor QSYSOPR msgq.

                                Bottom

F3=Exit   F6=Create   F12=Cancel   F15=Work with Message Queues   F21=Command Line
```

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Change Message Queue Filter Definition screen for the specified alert filter.

Note

To change the entry in the **Delay interval** field of the Change Message Queue Filter Definition screen, the selected message queue monitor must have a status of STOPPED. The Monitor status is displayed in the upper right corner of the Work with Alert Filters screen. Message queues can be manually stopped and started in the Work with Monitors screen.

3=Copy

all of the Alert Filters from the selected Alert Queue will be copied to the new Alert Queue. The Copy Alert Filters pop-up window is accessed with the **From alert queue** and **Library** field entries automatically entered. Enter the name of the alert queue and library where you want to copy this information in the **To alert queue** and **Library** fields, respectively.

4=Delete

Accesses the Confirm Delete of All Alert Queue Filters screen, which is used to delete all alert filters for the displayed alert queue. Press ENTER to confirm the deletion and return to the Work with Alert Filters screen. To return to the Work with Alert Filters screen without deleting all filters for the displayed alert queue, press F12 (Cancel).

5=Work with Filters

Accesses the next Work with Alert Filters screen for the selected alert queue.

6=Release

Releases an alert queue that has been placed on HOLD status.

7=Hold

Temporarily stops the monitoring of alert filters defined for the specified alert queue. Before an alert queue can be held, you must first stop the alert monitor by using the “Work with Monitors” menu option or by executing the command **PSDETECT/ENDALTMON**.

After holding or releasing the alert queue, you can start the alert monitor again by either using the “Work with Monitors” menu option or executing the command **PSDETECT/STRALTMON**.

Note

If all of the alert queues for a specific alert monitor are in HOLD status, the alert monitor stops automatically. The alert monitor cannot be restarted until at least one of the alert queues is changed to ACTIVE status.

Alert Filter Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Alert Queue

Displays the message queue that has defined alert filters which monitor for messages.

Library

Displays the name of the Library in which the message queue is located.

Description

Displays the purpose of the message queue filter.

Held

Displays whether the message queue is in HOLD status. If the message queue has been placed on hold, ‘YES’ displays in this column. If message queue has not been placed on hold, this column is left blank.

Function Key Information

F3=Exit

Exits the Display Communications Log screen and re-displays the PSDetect Main Menu.

F5=Refresh

Re-displays the screen with current results.

F6=Create

Accesses the Define Message Queue for Filtering screen. For more information, see “Define Message Queue for Filtering” on page 122.

F12=Cancel

Re-displays the PSDetect Main Menu.

F15=Work with Message Queues

Accesses the i5/OS Work with Message Queues screen.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Change Message Queue Filter Definition

The Change Message Queue Filter Definition screen lets you edit the description that displays for the selected alert filter that provides the purpose of the filter. From this screen you can also update when the alert queue is scanned and the severity level of an alert that overrides the paging schedule.

The Change Message Queue Filter Definition screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters) > 2 (Change)

PSM030R	PSDetect	2/06/25
Change Message Queue Filter Definition		
Type choices, press Enter.		
Message queue name	PSDAPI	
Library		
Description	<u>PSDetect API's</u>	
Delay interval	<u>10</u>	30 - 3600 seconds
Override paging schedules from		
Delay to Immediate if message		
severity is GT or EQ to . . .	<u>90</u>	00 - 99
F3=Exit F12=Cancel		

Message Queue Information

Message queue name

Displays the message queue to be monitored.

Library

Displays the name of the library where the message queue to be monitored is located.

Description

Displays the purpose of the filter for the message queue.

Delay Interval

Displays the number of seconds between each time the alert queue is scanned.

Override Schedules From Delay To Immediate if message severity is GT or EQ to

If you are using a Schedule to determine who should be paged and at what time, there is an option to delay pager messages until the End Schedule Time.

This feature is useful if alerts are received overnight and you do not want to be paged until first thing in the morning. However, should a critical alert be sent during the night you may want to be paged immediately. By entering a severity level here, alerts that are greater or equal to the selected severity will be paged immediately regardless of the Schedule settings. For more information about schedules, see “Work with Schedules” on page 269.

The new alert queue definition will be created with a status of HELD and will not be monitored until you have stopped the alert monitor, released the alert queue and restarted the alert monitor.

Function Key Information

F3=Exit

Exits the Change Message Queue Filter Definition screen and re-displays the the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Alert Filters screen.

Work with Alert Filters 2

All alert filters for a specified alert queue can be viewed on one screen. This feature lets you easily review the alert filter sequence numbers, the associated alert type, severity level, time range, days, filter description, and whether the alert filter is in HOLD status.

The this screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters) > 5 (Work with Filters)

```
PSM030R                      PSDetect                      2/06/24
                               Work with Alert Filters

Alert Queue . . . :   QSYS/QHST

Type options, press Enter.
  2=Change  3=Copy  4=Delete  5=Work with Filter Details  6=Release  7=Hold

                               Days
Opt Seq Type  Sev From To  MTWTFSS  Filter Description          Hld
-   10  ANY   00 0000 2359 *ALL    Monitor QSECOFR Signon
-   20  ANY   00 0000 2359 *ALL    Monitor for Serious Storage
-   30  ANY   00 0000 2359 *ALL    Monitor System Value changes

                               Bottom

F3=Exit   F6=Create   F12=Cancel   F21=Command Line
```

This screen includes the following header, selection option, alert filter, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the third Work with Alert Filters screen for the specified alert filter.

3=Copy

Lets you create an alert filter by copying an alert filter for the displayed alert queue. The new alert filter is given a unique filter sequence number and contains identical attributes to the filter that was copied. The Copy an Alert Filter pop-up window displays with the **From sequence no.**, **From alert queue**, and **Library** fields automatically entered. Enter the unique filter number of the alert filter in the **To sequence no.** field. To use the filter to monitor a different alert queue, make the appropriate entries in the **To alert queue**, and **Library** fields.

4=Delete

Accesses the Confirm Delete of Alert Filters screen, which is used to delete an alert filter for the displayed alert queue. Press ENTER to confirm the deletion and return to the Work with Alert Filters screen. To return to the Work with Alert Filters screen without deleting the filter for the displayed alert queue, press F12 (Cancel).

5=Work with Filter Details

Accesses the Selection Criteria screen. For more information, see “Selection Criteria” on page 115.

6=Release

Releases a monitor that has been placed on HOLD status.

7=Hold

Temporarily stops the monitoring of alert filters defined for the specified alert queue. Before an alert queue can be held, you must first stop the alert monitor by using the “Work with Monitors” menu option or by executing the command **PSDETECT/ENDALTMON**.

After holding or releasing the alert queue, you can start the alert monitor again by either using the “Work with Monitors” menu option or executing the command **PSDETECT/STRALTMON**.

Note

If all of the alert queues for a specific alert monitor are in **HOLD** status, the alert monitor stops automatically. The alert monitor cannot be restarted until at least one of the alert queues is changed to **ACTIVE** status.

Alert Filter Information

Alert queue

Displays the alert queue that the listed alert filters monitor.

Opt

To perform the selection option, type the number of the option in this field and press **ENTER**.

Seq

Displays the unique sequence number of the user-defined filter.

Type

Displays the specific type of message that the filter is set up to monitor. For example, a filter may be set up to find only messages that require a reply by filtering for messages with a type of **INQ** (Inquiry). The default message type for this field is **ANY**.

Sev

Displays the unit of measurement used to determine the importance of a message detected on the iSeries system. The severity level of the message must meet or exceed the entry in the Severity Filter field. This entry is used to help reduce the number of non-critical messages.

From

Displays the beginning time during which the monitor should scan for alerts matching this filter sequence. The appropriate times should be entered in the *HHMM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute. For example, 8:00 PM should be entered as '2000'.

To

Displays the ending time during which the monitor should scan for alerts matching this filter sequence. The appropriate times should be entered in the *HHMM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute. For example, 8:00 PM should be entered as '2000'.

Days MTWTFSS

Displays the days of the week which the monitor should scan for alerts matching this filter sequence. If the alert filter is active on every day, then the entry in this column is *ALL.

Filter Description

Displays the explanation of the alert filter.

Function Key Information

F3=Exit

Exits the Work with Alert Filters screen and re-displays the PSDetect Main Menu.

F6=Create

Lets you add and define individual alert filters for the displayed alert queue. For more information about the fields used to create an alert filter, see "Work with Alert Filters 3" on page 113.

F12=Cancel

Re-displays the previous screen.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Work with Alert Filters 3

The appropriate filter sequence can be accessed directly, which lets you quickly edit the details that caused the message to be picked up by the monitor. Any changes made to the filter will go into effect the next time the alert monitor checks for new messages.

The this screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters) > 5 (Work with Filters) > 2 (Change)

PSM030R	PSDetect	2/06/24
Work with Alert Filters		
Type choices, press Enter.		
Filter sequence . . .	10	
Filter description . .	PSDetect Alerts	
Alert type	ANY	ANY, INQ, COMP, INFO, ESC, NOTIFY, DIAG
Severity filter . . .	00	00 - 99
Time range	0000 - 2359	HHMM (24 hours)
Monitor on days:		
Mon	Tues	Wed
Thur	Fri	Sat
Sun		
Y	Y	Y
Y	Y	Y
Y	Y=Yes, N=No	
F3=Exit F12=Cancel		

This screen includes the following header, alert filter, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Filter Information

Filter sequence

Displays the unique sequence number of the user-defined filter.

Filter Description

The explanation of the alert filter.

Alert Type

The specific type of message that the filter is set up to monitor. For example, a filter may be set up to find only messages that require a reply by filtering for messages with a type of **INQ** (Inquiry). The default message type for this field is **ANY**.

Severity Filter

The unit of measurement used to determine the importance of a message detected on the iSeries system. The severity level of the message must meet or exceed the entry in the Severity Filter field. This entry is used to help reduce the number of non-critical messages.

Time Range

The beginning and ending time during which the monitor should scan for alerts matching this filter sequence. The appropriate times should be entered in the *HHMM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute. For example, 8:00 PM should be entered as '2000'.

Monitor on Days

The default is to monitor every day. If you do not require this filter sequence to be monitored on a particular day, type **N** (No) in the corresponding day field.

Function Key Information

F3=Exit

Exits the Work with Alert Filters screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the previous screen.

Selection Criteria

The Selection Criteria screen is used to view and change the defined criteria used to monitor application specific messages and the actions performed for the specified alert filter.

The Selection Criteria screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters) > 5 (Work with Filters) > 5 (Work with Filter Details)

PSM030R	PSDetect	5/20/02
Selection Criteria		
Filter description : test for qsecofr		Filter sequence : 2
Type options, press Enter.		
2=Change 3=Copy 4=Delete 8=Compare Data Variables 9=Alternative Action		
Opt	Sel/Omit	Msg ID First Level Text Comp Data
___	S	CPF1124 Job &3/&2/&1 started on &5 at &4 in subsystem YES
----- Actions -----		
Opt	Action	Delay System Parameters Alt'ive
___	PSDVIEW	0 *LOCAL Display on Console or PC Viewer *NONE
___	PAGE	0 *LOCAL PGR (MIKE) MSG (*MSG) TIMES (1) *NONE
F3=Exit F6=Create F11=View 2 F12=Cancel		

This screen includes the following header, selection option, criteria, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

When this selection option is entered in the **Opt** field for a message ID, the Alert Filter Selection Criteria screen is accessed. For more information, see “Alert Filter Selection Criteria - Change” on page 119.

When this selection option is entered in the **Opt** field for an action, the action specific Change Action screen is displayed. For more information about each Change Action screen beginning with the paging action, see “Change Paging Action” on page 47.

Once changes are made to the appropriate screen, press ENTER to retain these changes and return to the Selection Criteria screen.

3=Copy

Accesses the Alert Filter Selection Criteria screen with the field entries automatically entered. To make any changes, move the cursor to the appropriate field and enter the appropriate change.

To create the appropriate selection criteria, press ENTER. A pop-up window displays that lets you indicate whether the compare data information should be copied. This feature lets you to quickly set up identical selection criteria and compare data to scan different message IDs, message files, or libraries.

4=Delete

Access the Confirm Delete screen for either Selection Criteria or Actions. This screen displays the selection criteria to be deleted based on the Message ID, or the Action and Parameters based on the Action selected. To confirm the deletion, press ENTER. To cancel the delete function, press F12. The Selection Criteria screen is displayed without deleting the selection.

8=Compare Data Variables

Access the Alert Filter Compare Data Variables screen to narrow down search criteria to meet messages with the corresponding variable data or text for the specified filter and message ID. This selection option is only valid for individual message IDs. For more information, see “Alert Filter Compare Data Variables” on page 70.

9=Alternative Action

Access the Work with Alternative Action screen to define an action that should be performed if the action selected cannot be performed. This selection option is only valid for COMMAND, CONSOLE, FORWARD, and PAGE actions. For more information, see “Work With Alternative Action” on page 74.

Selection Criteria Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Sel/Omit

Displays whether the message ID is included or excluded when an action is performed based upon the specified alert filter. ‘S’ (Select) includes this message ID for action processing and ‘O’ (Omit) excludes it from action processing.

For example, if the generic message ID *CPF is selected for the action processing assigned to the alert filter, a single message ID, such as CPF001, can then be omitted from having the action performed.

For more information about defining the selection criteria based on message ID, see “Alert Filter Selection Criteria - Change” on page 45.

Msg ID

Displays the application specific message identification of the alert message to be monitored on the iSeries system.

First Level Text

Displays the application specific text of the alert message to be monitored on the iSeries system.

Comp Data

Displays whether compare data has been defined for the selected message in the Alert Filter Compare Data Variables screen. If compare data has been defined, 'YES' displays in this column. If compare data has not been defined, this column is left blank. For more information on the Alert Filter Compare Data Variables screen, see "Alert Filter Compare Data Variables" on page 70.

Actions Information**Opt**

To perform a selection option, type the number of the option in this field and press ENTER.

Action

Displays the type of action to be performed by PSDetect for the selected alert filter.

Delay

Displays the number of seconds that elapse before the action is performed.

System

Displays the specific iSeries system where the action will be performed by PSDetect.

Parameters

Displays specific information about the action to be performed. For example, if the entry in the **Action** column is COMMAND, then the information displayed in the **Value** column is the actual i5/OS command to be run.

Alt'ive

Displays whether an alternative action has been defined for the specified action in the Work with Alternative Action screen. If an alternative action has been defined, the specific action displays in this column. If an alternative action has not been defined, '*NONE' displays in this column. For more information, see "Work With Alternative Action" on page 74.

Function Key Information

F3=Exit

Exits the Selection Criteria screen and re-displays the PSDetect Main Menu.

F6=Create

Access the Alert Filter Selection Criteria screen.

F11=Toggle View

Changes the type of data displayed for the listed message IDs, and actions.

Alert Filter Selection Criteria - Change

The Alert Filter Selection Criteria - Change screen is used to update the application specific message information which is monitored for the specified filter.

The Alert Filter Selection Criteria screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters)	>	5 (Work with Filters)	>	5 (Work with Filter Details)	>	2 (Change Selection Criteria)
--	---	-----------------------	---	------------------------------	---	-------------------------------

PSM030R

PSDetect

2/06/07

Alert Filter Selection Criteria

Filter description : Test

Type choices, press Enter.

Select or Omit S S=Select, O=Omit

Message ID CAE0005 Name, Name*, *ALL

Retrieve message description from:

Message file QCPFMSG Name, F4=List

Library QSYS Name, *LIBL

F4=List F10=Display Message IDs F12=Cancel F21=Command Line

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Filter Selection Criteria Information

Select or Omit

Enter either 'S' to Select or 'O' to Omit, depending on whether you want to select this filter for action processing or omit it from action processing. If an Omit is specified here, it is only for this particular Alert Filter. Messages matching similar selection criteria in other Alert Filters may be selected for processing.

Message ID

Enter the required Message ID, which can be a specific Message ID, a generic range or *ALL.

Message File / Library

Enter the message file and library where the above Message IDs are located.

This is for editing purposes only. When the Monitor picks up a required Alert, it can automatically detect which message file is being used and so you will always get the correct text being sent to your pager.

Function Key Information

F4=List

Displays the Selection Message File pop-up window, which contains all valid message files and their associated library location. To select a message file, type 1 (Select) in the appropriate **Opt** field and press ENTER. This function key is only valid for the **Retrieve message description from: Message file** field.

F10=Display Message IDs

Displays the message IDs in the specified file using the **DSPMSG** command.

F12=Cancel

Re-displays the Selection Criteria screen.

F21=Command Line

Displays a command window where you can enter iSeries commands. This function will not work correctly if the Limit Capability flag in the user's profile is set to *YES.

Define Message Queue for Filtering

The Define Message Queue for Filtering screen is used to define an alert queue to be monitored.

The this screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 3 (Work With Alert Queues/Filters) > F6 (Create)

PSM030RPSDetect6/24/02

Define Message Queue for Filtering

Type choices, press Enter.

Message queue name

Library

Description

Name, F4=List

Name

Delay interval

30 - 3600 seconds

Override paging schedules from

Delay to Immediate if message

severity is GT or EQ to . . .

90

00 - 99

F3=Exit

F4=List

F12=Cancel

Message Queue Information

Message queue name

Enter the message queue that you want to monitor. To view a list of valid message queues and their associated libraries, press F4 (List).

Library

Enter the name of the library where the message queue to be monitored is located.

Description

Enter the purpose of the filter for the message queue.

Delay Interval

The Delay Interval specifies the number of seconds between each time the Alert Queue is scanned.

Override Schedules From Delay To Immediate

If you are using a schedule to determine who should be paged and at what time, there is an option to delay pager messages until the End Schedule Time. This is useful if Alerts are received overnight and you do not want to be paged until first thing in the morning. However, should a critical alert be sent during the night you may want to be paged immediately, whatever the time. By entering a severity level here, those alerts that are equal to or greater than the selected severity will be paged out immediately regardless of the Schedule settings. For more information, see “Work with Schedules” on page 269.

The new Alert Queue definition will be created with a status of HELD and will not be monitored until you have stopped the Alert Monitor, released the Alert Queue and restarted the Alert Monitor.

Function Key Information

F3=Exit

Exits the Define Message Queue for Filtering screen and re-displays the PSDetect Main Menu.

F4=List Variables

Display a pop-up window which displays a list of valid message queues and their associated libraries. To select a message queue, type **1** (Select) in the corresponding **Opt** field, and press ENTER. This function key is only valid for the **Message queue name** field.

F12=Cancel

Re-displays the Work with Alert Filters screen.

Work with Monitors

The Work With Monitors screen lets you work with each monitor that is running under the ZPSD subsystem. The status of each monitor can be viewed and changed from this central location.

To view monitor specific information, type the associated selection option to display the history, system defaults, or activity details in the appropriate monitor **Opt** field and press ENTER.

The Work With Monitors screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors)

```
PSM080R          PSDetect          5/22/02
                                Work with Monitors

Type options, press Enter.
 6=Release  7=Hold  8=Start  9=End  13=History  20=System Defaults  25=Activity

Opt  Description                      Status
---  -
Alert Monitor                        Stopped
Action Monitor                      Active
Paging Monitor                      Active
Email Monitor                      Active
Network Action Monitor              Active
Trap Action Monitor                 Active

F3=Exit  F12=Cancel  F5=Refresh  F10=Verify Status  F15=WRKSBSJOB
```

This screen includes the following header, selection option, monitor, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

6=Release

Releases a monitor that has been placed on Hold status.

7=Hold

Temporarily stops the monitoring of all alert queues for the specified alert monitor.

8=Start

Start individual monitors.

Note

When all Alert Queues for a specific monitor are in Hold status, the Alert Queue Monitor will end automatically. The Alert Queue Monitor cannot be re-started until at least one of the Alert Queues is in Active status.

9=End

End individual monitors.

Note

If the system ends abnormally, the Monitors may show an incorrect status. For example, they might be shown as Active when in fact they are Ended. To verify the correct status in these circumstances, press F10 (Verify Status). If the status is incorrect it will be corrected, or you will get a message saying that the status is correct.

13=History

Displays when the monitor was started and ended, the method used to start and end the monitor, and the user ID that performed the action.

20=System Defaults

By selecting this option for the Alert Monitor, Paging Monitor, Email Monitor, or Network Monitor, the system defaults for that particular monitor will be displayed. Any defaults can be changed from this screen.

25=Activity

By selecting this option for the Alert Monitor, Action Monitor, or the Paging Monitor all outstanding activity for that monitor will be displayed.

Monitor Type Information

Alert Monitor

The Alert Monitor scans the specified Alert Queues looking for alerts that require an action. When an alert is detected the details are passed to the Action Monitor for processing. The Alert Monitor continues scanning the specified alert queues based on the delay interval defined for each queue.

Action Monitor

The Action Monitor determines what action is required. If the required action is PSDVIEW, Command, Forward, or Log, the Action Monitor performs the action. Alerts that require other actions are routed to the appropriate monitor.

Paging Monitor

If the alert requires a paging action, the details are passed from the Action Monitor to the Paging Monitor, which then sends the page.

Email Monitor

If the alert requires an e-mail to be sent, the Action Monitor sends the alert to the Email Monitor, which then sends the e-mail.

Network Action Monitor

The Network Action Monitor is used to forward messages to other iSeries systems in your SNADS network.

Trap Monitor

If the alert requires a trap to be sent, the Action Monitor forwards the trap package to the Trap Monitor, which then sends the trap package to the specified Trap manager.

Function Key Information

F3=Exit

Exits the Display Communications Log screen and re-displays the PSDetect Main Menu.

F5=Refresh

Re-displays the screen with current results.

F10=Verify Status

Checks the accuracy of the status for each monitor. A message line displays at the bottom left side of the screen as each monitor is verified. For example, when the Alert Monitor is being verified the following message displays at the bottom left side of the screen:

Status of Alert Monitor being verified ...

If all monitors are accurate, the following message displays:

Status of Monitors verified; all correct

F12=Cancel

Re-displays the PSDetect Main Menu.

F15=WRKSBSJOB

Accesses the i5/OS Work with Subsystem Jobs screen.

Monitor History

Typing **13** (History) in the **Opt** field for a particular monitor on the Work with Monitor Status screen, displays the full history of the monitor. The History shows when the Monitor was started and ended, the method used to start and end the monitor, and the user profile signed on when the action was initiated.

The Monitor History screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) **>** **13** (History)

Shown below is an example of the Monitor History screen:

PSM080R	PSDetect	Monitor History					2/21/05
Monitor . . . : Alert Monitor							
Date	Time	Action	Method	Job Name	User	Job No	
2/05/20	8:46:52	Stopped	Reset	MBY	MBY	080781	
2/05/20	8:47:23	Submitted	Command	STRALTMON	QSYSOPR	080786	
2/05/20	8:47:31	Started	Auto	FSDALTMON	QSYSOPR	080792	
2/05/20	14:13:41	Stopped	Menu	MBY	MBY	080824	
2/05/19	11:06:25	Submitted	Menu	QPADEV0007	AARRI	081809	
2/05/19	11:06:29	Started	Auto	FSDALTMON	QSYSOPR	081811	
2/05/19	11:08:23	Stopped	Menu	QPADEV0007	AARRI	081809	
2/05/18	9:54:07	Submitted	Menu	QPADEV000B	AARRI	082423	
2/05/18	9:54:09	Started	Auto	FSDALTMON	QSYSOPR	082425	
2/05/18	9:58:28	Stopped	Menu	QPADEV000B	AARRI	082423	
							Bottom
F3=Exit F12=Cancel F16=Purge Records							

This screen includes the following header, monitor history, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor History Information

Monitor

Displays the monitor that the history is displayed for.

Date

Displays the date that the monitor action took place in the system-defined format.

Time

Displays the time the monitor action took place in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Action

Displays if the monitor was started, stopped, or submitted.

Method

Displays how the monitor action was initiated. Valid methods are as follows:

Auto

The monitor action is automatically initiated when the ZPSD subsystem is started.

Command

The monitor action was initiated by typing an appropriate PSDetect command on the i5/OS command line.

Menu

The monitor action was initiated by typing the appropriate selection option in the **Opt** field of the corresponding monitor.

Reset

The monitor action was initiated when the F10 (Verify Status) function was performed from the Work with Monitors screen.

Job Name

Displays the name that identifies the job that ran the monitor action.

User

Displays the user ID that initiated the monitor action.

Job No

Display the unique number that identifies the job that ran the monitor action.

Function Key Information

F3=Exit

Exits the Monitor History screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

F16=Purge Records

Accesses the Purge Monitor History Records screen, where records for the specified monitor can be purged based on the beginning and ending date and time of the monitor action.

Alert Monitor System Defaults

Typing 20 (System Defaults) in the **Opt** field to the left of the Alert Monitor accesses the Work with Alert Monitor System Defaults screen. All of the associated system defaults are displayed and can be changed.

The Work with Alert Monitor System Defaults screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 20 (System Defaults) in the Alert Monitor Opt field

2/06/12

Work with Alert Monitor System Defaults

Type choices, press Enter.

Purge closed alerts after 7 1-999 Days

User profile QSYSOPR Name

Note: Start times and intervals are allocated against queues using
2=Change in Work with Alert Filters.

F3=Exit F12=Cancel

This screen includes the following header, system default, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Alert Monitor System Default Information

Purge Closed Alerts After

The number of days that alerts with a status of CLOSED or ERROR are kept before being purged from the system. These alerts are purged each time the monitor is started and at midnight each day.

User profile

The name of the user profile authority that the PSDetect Monitors will run under.

Note

- The User Profile you select needs to be authorized to all the queues to be monitored, and needs to be authorized to perform all the relevant actions.
 - You can also set this parameter by using the **Set Default User** option on the General Systems Menu.
-

Function Key Information

F3=Exit

Exits the Work with Alert Monitor System Defaults screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Paging Monitor System Defaults

Typing **20** (System Defaults) in the **Opt** to the left of the Paging Monitor accesses the Work with Paging Monitor System Defaults screen. All of the associated system defaults are displayed and can be changed.

The Work with Paging Monitor System Defaults screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 20 (System Defaults) in the Paging Monitor Opt field

2/06/04

Work with Paging Monitor System Defaults

Type choices, press Enter.

Communications resource name	<u>CMN01</u>	Name
Line connection type	<u>S</u>	N=Nonswitched, S=Switched
Share resource	<u>Y</u>	Y=Yes, N=No
Dialing prefix	<u>8</u>	Character
Modem requires async switching . . .	<u>Y</u>	Y=Yes, N=No
Prefix system reference to message .	<u>ANY</u>	Character, *NONE, *SYSTEM
Prefix escalation number to message.	<u>Y</u>	Y=Yes, N=No
Prefix group indication to message .	<u>Y</u>	Y=Yes, N=No
Append date/time to message	<u>N</u>	Y=Yes, N=No
Append job name to message	<u>N</u>	Y=Yes, N=No
Truncate message to pager length . .	<u>N</u>	Y=Yes, N=No
Overflow message send sequence . .	<u>R</u>	N=Normal, R=Reverse
Purge communications log after . . .	<u>7</u>	1-999 Days

F3=Exit F12=Cancel F15=Work with communications resources

This screen includes the following header, system default and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Paging Monitor System Default Information

Communications Resource Name

Specifies which iSeries system communications resource is attached to the line referenced by the PSDetect line description. To view the current communications configuration on your iSeries system, press F15 (Work with communication resources) to access the Work with Communications Resources screen, which displays each resource and its associated type, status, and text. This screen also provides access to the Work with Configuration Descriptions screen and Display Resource Detail screen for a specific resource.

Line Connection Type

Sets the line description to be used as a **Switched** point-to-point connection (usually used for dial-up connections) or as a **Non-switched** connection (usually used for leased connections).

If you are using a modem to dial your paging service provider, you should set this parameter to **Switched**. If you are connected through a dedicated leased line, set this parameter to **Non-switched**.

Share Resource

Defines whether you will be sharing the modem with other resources.

If NO is specified (the recommended option), the communications line used by the Paging Monitor will be varied on all the time until it is manually varied off.

If YES is specified, the communications line used by the PSDetect Paging Monitor will be varied on when a message is to be paged and then varied off immediately after the page is sent. This lets another resource to use the modem when the Paging Monitor is not sending a page.

Note

If YES is specified for Share Resource, every time the Paging Monitor tries to use the modem and finds that it is being used by another resource, it adds one to the Message Retry Count. If it reaches its maximum Message Retry Count (as defined on the Service Provider record in “Work with Service Providers”) it will stop its attempts to page out.

Dialing Prefix

Use this field to enter any dialing prefix required to allow the modem to dial out. For example, if the modem telephone line is used with a switchboard, it is might be necessary to enter a dialing prefix such as 9.

Modem Requires Async Switching

Some modems (dual-mode) can provide dynamic switching between synchronous and asynchronous communications. If you are using a dual-mode modem, you should set this parameter to **'Y' (Yes)**.

Prefix System reference to Message

It is sometimes desirable to know where a pager message has originated. This is normally the case when there is more than one iSeries system being monitored. You can either prefix the pager messages with the system name, or up to eight other characters.

Prefix Escalation Number to Message

Specifies whether to prefix the message with the number of times the message has been escalated. For example, a prefix of "ESC 2" would denote that the message has escalated to the second person on the escalation list.

Prefix Group Indication to Message

Specifies whether to prefix the message with "GRP" to indicate that the message has been sent to a Broadcast Group.

Append Date/Time To Message

You can specify whether to attach the date and time the message was received to the pager message. This can be useful, especially if you are using a pager schedule that can delay pager messages being sent out or are using an escalation list with a delay interval between each pager.

Append Job Name to Message

Specifies if you want to attach the job name to the pager message so that you can know which job sent the message.

Truncate Message To Pager Length

Some pagers display a relatively small number of characters per message. If the pager message contains more characters than the pager can display, it will automatically send the remaining characters as another message. In some instances this can be another telephone call to the paging company, if the paging company does not allow message streaming. Here you have the option to specify whether you want to truncate the message to the maximum length of the display.

If you specify YES, the system will truncate any portion of the message over the limit specified in the Service Provider record. If you specify NO, any entry is required in the **Overflow Message Send Sequence** field.

Overflow Message Send Sequence

The entry in this field determines how messages that are longer than the pager display are sent to the pager if they are not truncated. Specify one of the following settings:

Normal

The message is broken into smaller pieces that are sent in the order in which they occur in the message.

Reverse

The message is broken into smaller pieces that are sent in the reverse order in which they occur in the message.

In addition, some pagers list the newest messages at the top of the display while other pagers list them at the bottom. You should select the order that makes the messages easiest to read on your pager.

Purge Communications Log

Specifies the number of days to keep entries in the Communications Log before they are purged. Entries older than the number of days specified are purged each time the Alert Monitor is started, and at midnight every day.

Function Key Information

F3=Exit

Exits the Work with Paging Monitor System Defaults screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

F15=Work with communication resources

Accesses the Work with Communications Resources screen, which displays each resource and it's associated type, status, and text. This screen also provides access to the Work with Configuration Descriptions screen and Display Resource Detail screen for a specific resource.

Email Monitor System Defaults

Typing 20 (System Defaults) in the **Opt** to the left of the Email Monitor accesses the Work with Email Monitor System Defaults screen. All of the associated system defaults are displayed and can be changed.

Note

For Email functions to work properly, SMTP must be configured and running on your system. To test whether SMTP is operating correctly, press **F19** (Test Email) on System Defaults screen of the Email Monitor.

The Work with Email System Defaults screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 20 (System Defaults) in the Email Monitor Opt field

Work with Email System Defaults 2/06/04

Type choices, press Enter.

Originator Email Address user1@yourcompany.com
(Enter ReplyToUser@YourCompany.COM)

Host IP Address 172.16.130.9 F4 - (xxx.xxx.xxx.xxx)

Domain Name Server:
Internet Address 172.16.251.21 F4 - (xxx.xxx.xxx.xxx)

Subject text _____
(*MSG = First message line, Enter Constant text message)

SMTP port number 25 (Default SMTP port = 25)

F3=Exit F12=Cancel F9=Cfg Domain F10=Cfg SMTP F11=TCP services

F15=Verify addresses F17=Routing F18=UTC Offset F19=Test Email

This screen includes the following header, system default and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Email System Default Information

Originator Email Address

Displays the e-mail address that was used to send the initial email. This address is where messages will be sent when a user replies to an e-mail sent by PSDetect.

Host IP Address

The IP address used for your iSeries system is entered in this field. You can display a list of IP addresses specified on your system by pressing F4 (List). Typically, only one address is specified for each iSeries system, but it is possible to have multiple addresses on a system if multiple network cards are installed. If more than one IP address is listed when you press F4 (List), you must decide which IP address to use. All e-mail will be sent from PSDetect through the IP address specified.

Domain Name Server: Internet Address

The IP address of your corporate DNS server is entered in this field. Press F4 (List) to display the value specified for the DNS server in the TCP/IP domain information. If more than one IP address is listed, you must decide which IP address is the address of the Primary DNS server. If you don't know the IP address of the Primary DNS server, ask your Network Administrator.

Subject Text

This is the message you want displayed in the subject line of the e-mail. Specify *MSG to display the first line of the message text in the subject line, or specify the constant text of your choice.

SMTP Port Number

The number of the SMTP port to be used is entered in this field. If you do not specify a port number, the default port number (25) is automatically used for this field. To verify the correct port number to use, press F11 (TCP Services) to display a list of the service table entries specified on your iSeries system. Page down until you find SMTP in the **Service** column and identify the corresponding port number for the TCP protocol being used.

Function Key Information

F3=Exit

Exits the Work with Email System Defaults screen and re-displays the PSDetect Main Menu.

F9=Cfg Domain

Accesses the i5/OS Change TCP/IP Domain (CHGTCPDMN) screen.

F10=Cfg SMTP

Accesses the i5/OS Change SMTP Attributes (CHGSMTPA) screen.

F11=TCP Services

Accesses the i5/OS Work with Service Table Entries screen.

F12=Cancel

Re-displays the Work with Monitors screen.

F15=Verify addresses

Verifies the connection to the values in the **Host IP Address** and **Domain Name Server: Internet Address** fields.

F17=Routing

Accesses the i5/OS Configure Routing Table screen.

F18=UTC Offset

Accesses the i5/OS Work with System Values screen.

F19=Test Email

Accesses the Send an Email Message (SNDEMAILM) screen to help ensure that e-mail messages can be sent from your iSeries system.

Network Monitor System Defaults

Typing 20 (System Defaults) in the **Opt** to the left of the Network Monitor accesses the Work with Network Monitor System Defaults screen. All of the associated system defaults are displayed and can be changed.

The Work with Network Monitor System Defaults screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > **20** (System Defaults) in the Network Action Monitor **Opt** field

```

2/06/05

Work with Network Monitor System Defaults

Type choices, press Enter.

Maximum time for DDM transfer . . . 120          30 - 3600 seconds

Global alternative action allowed . Y             Y=Yes, N=No

Global alternative action enabled . N             Y=Yes, N=No


F3=Exit    F12=Cancel

```

This screen includes the following header, system default and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Network Monitor System Default Information

Maximum Time for DDM Transfer

Defines the maximum number of seconds for the DDM conversation to be completed before it stops trying to send the transfer.

Global Alternative Action Allowed

Specifies whether to activate a global alternative action.

If the value in this field is 'Y' (Yes), then when a DDM conversation exceeds the time specified in the **Maximum Time for DDM Transfer** field, or if a DDM connection cannot be established at all the value in the **Global Alternative Action Enabled** field is automatically set to 'Y' (Yes). All filters that have an alternative action defined will perform the alternative action.

If the value in this field is 'N' (No), then value in the **Global Alternative Action Enabled** field cannot be automatically changed to 'Y' (Yes) when a DDM conversation is unsuccessful.

Global Alternative Action Enabled

Specifies whether the primary or alternative action is performed. If the value in this field is 'Y' (Yes), then all filters that have an alternative action defined will skip the primary action and initiate the alternative action. If the value in this field is 'N' (No), then the primary action is initiated.

When the value in the **Global Alternative Action Allowed** field is 'Y' (Yes), and the DDM conversation exceeds the maximum specified time or cannot establish a connection at all, then the system automatically changes the value in this field to 'Y' (Yes).

The value in this field must be manually changed to 'N' (No) after the problem that implemented the global alternative action has been resolved, which will allow all filters to perform the primary action.

Function Key Information

- F3=Exit**
Exits the Work with Network Monitor System Defaults screen and re-displays the PSDetect Main Menu.
- F12=Cancel**
Re-displays the Work with Monitors screen.

Trap Monitor System Defaults

Typing 20 (System Defaults) in the **Opt** to the left of the Trap Monitor accesses the Work with Trap Monitor System Defaults screen. All of the associated system defaults are displayed and can be changed.

The Work with Trap Monitor System Defaults screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) **>** **20 (System Defaults)** in the Trap Monitor **Opt** field

2/06/05

Work with Trap System Defaults

Type choices, press Enter.

Enterprise OID 1.3.6.1.4.1.5301

Translate messages *YES (*YES=ASCII, *NO=NATIVE)

Test message OID 1.0

Test message (STRING OCTET).

Trap number generated 1

F3=Exit F12=Cancel F10=Cfg SNMP F15=Start SNMP F17=Start Trap Mgr

F19=Test Trap

This screen includes the following header, system default and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Trap System Default Information

Enterprise OID

Displays the PSDetect enterprise origination identification number.

Translate messages

Specifies whether the text message is translated to ASCII. When a trap package is sent from an iSeries system to a PC-based system the trap message must be translated into ASCII. The value *NO is used when a trap package is sent from one iSeries system to another.

Test Message OID

Displays the default test message origination identification number 1.0. This number can be changed to an origination identification number of a test message that has been setup on your system.

Test Message (STRING OCTET)

Displays the text message that is sent with the test trap package.

Trap number generated

Specifies the number of times the test trap message is sent.

Function Key Information

F3=Exit

Exits the Work with Trap Monitor System Defaults screen and re-displays the PSDetect Main Menu.

F10=Cfg SNMP

Accesses the i5/OS Configure TCP/IP SNMP screen.

F12=Cancel

Re-displays the Work with Monitors screen.

F15=Start SNMP

Sends a request to start the SNMP server, and display the following message at the bottom of the screen:

Request to start SNMP server submitted.

If the SNMP server has been started, then F15 (Stop SNMP) is used to initiate a request to stop the SNMP server, and the following message is displayed at the bottom of the screen:

Request to stop SNMP server submitted.

F17=Start Trap Mgr

Accesses the i5/OS Start Trap Manager (STRTRPMGR) screen.

F19=Test Trap

Sends a test trap message to help ensure that trap messages can be sent from your iSeries system. The following message displays at the bottom of the screen:

Test trap message sent.

Outstanding DDM Message Activity

Typing 25 (Activity) in the **Opt** to the left of the Alert Monitor accesses the Outstanding DDM Message Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding DDM Message Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Alert Monitor Opt field

```
PSM080R          PSDetect          9/26/02
                   Outstanding DDM Message Activity

Monitor . . . :   Alert Monitor

   Date      Time      System  Action  Message
9/25/02 14:30:56  SYSTEMB  PAGE    Job 000777/QSECOFR/QDFTJOB started on

F3=Exit  F12=Cancel
```

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

System

Displays the specific iSeries system where the monitor detected the message.

Action

Displays the action defined by the alert filter for the monitor that detected the message.

Message

Displays the first 40 characters of the DDM text message.

Function Key Information

F3=Exit

Exits the Outstanding DDM Message Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Outstanding Actions Activity

Typing 25 (Activity) in the **Opt** to the left of the Action Monitor accesses the Outstanding Actions Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding Action Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Action Monitor Opt field

PSM080R	PSDetect	9/26/02
Outstanding Actions Activity		
Monitor . . . : Action Monitor		
Date	Time	Action Parameters
9/25/02	14:54:06	COMMAND CMD (CALL QGPL/BMTDLYJOB...)
9/25/02	14:54:06	LOG LOG STATUS (NEW)
9/25/02	14:54:06	PAGE PGR (BARRY) MSG (*MSG) TIMES (1) INT (10)
F3=Exit F12=Cancel		

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Action

Displays the action defined by the alert filter for the monitor that detected the message.

Parameters

Displays detailed information about the action to be performed.

Function Key Information

F3=Exit

Exits the Outstanding Actions Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Outstanding Pager Message Activity

Typing 25 (Activity) in the **Opt** to the left of the Paging Monitor accesses the Outstanding Pager Message Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding Pager Message Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Paging Monitor Opt field

```

PSM080R                PSDetect                9/26/02
                        Outstanding Pager Message Activity

Monitor . . . :      Paging Monitor

   Date      Time      To Pager      Attempts      Message
9/25/02 14:54:19 BARRY                24      Job 000777/QSECOFR/QDFTJOB started on 0

F3=Exit      F12=Cancel

```

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

To Pager

Displays the name of the pager that the message was sent.

Attempts

Displays the number of times that the monitor tried to send the page to the designated pager.

Message

Displays the first 39 characters of the message that was sent to the pager.

Function Key Information

F3=Exit

Exits the Outstanding Pager Message Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Outstanding Email Message Activity

Typing 25 (Activity) in the **Opt** to the left of the Email Monitor accesses the Outstanding Email Message Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding Email Message Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Email Monitor Opt field

```
PSM080R                PSDetect                6/26/02
                        Outstanding Email Message Activity

Monitor . . . :      Email Monitor

      Date      Time      To Email      Attempts      Message
9/25/02 14:54:19 BMTEML                1      Job 000777/QSECOFR/QDFTJOB started on 0

F3=Exit      F12=Cancel
```

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

To Email

Displays the name of the Email address that the message was sent.

Attempts

Displays the number of times that the monitor tried to send the e-mail to the designated Email ID.

Message

Displays the first 39 characters of the message that was sent to the Email address.

Function Key Information

F3=Exit

Exits the Outstanding Email Message Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Outstanding Network Activity

Typing 25 (Activity) in the **Opt** to the left of the Network Action Monitor accesses the Outstanding Network Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding Network Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Network Action Monitor Opt field

```
PSM080R          PSDetect          9/26/02
                   Outstanding Network Activity

Monitor . . . :   Network Action Monitor

   Date      Time      System      Action      Parameters
9/25/02 14:30:56  SYSTEMB      PAGE       Job 000777/QSECOFR/QDFTJOB started on

F3=Exit   F12=Cancel
```

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

System

Displays the specific iSeries system where the monitor detected the message.

Action

Displays the action defined by the alert filter for the monitor that detected the message.

Parameters

Displays detailed information about the action to be performed.

Function Key Information

F3=Exit

Exits the Outstanding Network Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Outstanding Trap Message Activity

Typing 25 (Activity) in the **Opt** to the left of the Trap Action Monitor accesses the Outstanding Trap Message Activity screen. All outstanding activities for this monitor are displayed.

The Outstanding Trap Message Activity screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 4 (Work With Monitors) > 25 (Activity) in the Trap Action Monitor Opt field

```
PSM080R                PSDetect                6/26/02
                        Outstanding Trap Message Activity

Monitor . . . :    Trap Action Monitor

   Date      Time    To Trap    Attempts    Message
9/25/02 14:54:19 BMTTRAP         1    Job 000777/QSECOFR/QDFTJOB started on 0

F3=Exit    F12=Cancel
```

This screen includes the following header, monitor activity, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Monitor Activity Information

Monitor

Displays the monitor for which the activities are displayed.

Date

Displays the date that the monitor detected the message in the system-defined format.

Time

Displays the time that the monitor detected the message in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

To Trap

Displays the name of the trap package where the message was sent.

Attempts

Displays the number of times that the monitor tried to send the trap message to the designated trap package.

Message

Displays the first 39 characters of the message that was sent to the trap package.

Function Key Information

F3=Exit

Exits the Outstanding Trap Message Activity screen and re-displays the PSDetect Main Menu.

F12=Cancel

Re-displays the Work with Monitors screen.

Chapter 4

General System Menu

This chapter describes the options from the PSDetect General System Menu that can be performed through the user interface.

General System Menu

The General System Menu provides access to subscreens that are used to customize the PSDetect system.

This menu is accessed by executing the following option starting at the PSDetect Main Menu:

Opt 10 (General System Menu)

```
PD1                      NetIQ Corporation      USER1      Date: 6/28/02
                        General System Menu      HNB001A    Time: 17:16:46

Select one of the following:

1 Work With Console Attributes
2 Change Console Delivery Method
3 Set Default User
4 Work With Function Authorities
5 Set Network Authority
6 Display Communications Diag. Log
7 Print Communications Diag. Log
8 Print Alert Log
9 Print Alert Filters

Enter Option or Function/Type ==> _____

F1=Help      F3=Exit      F6=Messages      F9=Window      F10=Cmd Line
F12=Previous F13=Attention F14=Batch Jobs  F18=Reports
```

This menu includes the following header, menu option, and function key information:

Header Information

function name

The code for this function. In this case, “PD1” indicates that the General System Menu is the first sub-menu that can be accessed from the PSDetect Main Menu.

panel name

The name of the panel displayed.

user

The user profile that is running the interactive session.

date

The date the screen was accessed in the system-defined format.

time

The time the screen was accessed in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Menu Option Information

Work With Console Attributes

Accesses the Work with Console Attributes screen, which is used to define how messages display on the Console Log based upon the iSeries system where they were detected. For more information, see “Work with Console Attributes” on page 162.

Change Console Delivery Method

Accesses the Console (CONSOLE) command screen, which lets you to specify the method PSDView messages are sent the specified user. For more information, see “Change Console Delivery Method” on page 172.

Set Default User

Accesses the Set Default User Profile screen, which is used to assign the user profile that runs the PSDetect monitor jobs. The specified user profile must be authorized to access all of the message queues to be monitored and to perform all relevant actions. For more information, see “Set Default User” on page 176.

Work With Function Authorities

Accesses the Work with Function Authority screen, which is used to specify whether all users have accesses to a specified function, or function accesses is granted to individual users based upon their job responsibilities. For more information, see “Work With Function Authority” on page 177.

Set Network Authority

Accesses the Set Network Authority screen, which is used to send messages between iSeries systems that are running PSDetect. For more information, see “Set Network Authority” on page 186.

Display Communications Diag. Log

Accesses the Display Communications Log screen, which is used to display the information sent between the modem and the iSeries system. For more information, see “Display Communications Diag. Log” on page 188.

Print Communications Diag. Log

Accesses the Print Communications Log screen, which is used to print the information sent between the modem and the iSeries system when troubleshooting paging issues. For more information, see “Print Communications Diag. Log” on page 195.

Print Alert Log

Accesses the Print Alert Log screen, which is used to provide a printed copy of the Alert Log when troubleshooting problems. For more information, see “Print Alert Log” on page 198.

Print Alert Filters

Accesses the Print Alert Filters screen, which lets you to print each of the user-defined alert filters along with their associated selection criteria, compare data, and defined actions. For more information, see “Print Alert Filters” on page 200.

Function Key Information

See “Function Key Information” on page 21 for a description of valid PSDetect menu function keys.

Work with Console Attributes

If you are using PSDetect to monitor messages on multiple iSeries systems, the Work with Console Attributes screen can display messages that are color coded according to the issuing system.

The Work with Console Attributes screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt **10** (General System Menu) > **1** (Work with Console Attributes)

Opt **2** (Work With Console Log) > **F20** (Work with Attributes)

```
PSC050R          PSDetect          2/05/22
                  Work with Console Attributes

Type options, press Enter.
2=Change  4=Delete

Opt  System      Inquiry messages      Other Message Types
-   *LOCAL       Rev, Green             Green
-   ANYSYSTEM    Rev, Blue              Blue

F3=Exit  F6=Create  F12=Cancel

Bottom
```

This screen includes the following header, selection option, attribute, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Displays the Change Console Attributes screen for the selected iSeries system. The color scheme and attributes of inquiry and other message types for the iSeries system can be changed quickly and easily. Any changes that are made can be viewed the next time the Work with Console Log screen is accessed from the PSDetect Main Menu. For more information see “Change Console Attributes” on page 165.

4=Delete

Accesses the Delete Console Attributes screen, which is used to delete the user-defined message attributes assigned to a particular iSeries system. Press ENTER to confirm the delete and return to the Work with Console Attributes screen. To cancel the function, press F12 (Cancel) to return to the Work with Console Attributes screen without deleting the settings.

Console Log Attributes Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

System

Displays the iSeries system that has been defined to display in a user-defined color scheme on the Work with Console Log screen.

Inquiry messages

Displays the defined color scheme and attributes of inquiry messages for the associated system. To change how inquiry messages display in the Console Log, type 2 (Change) in the appropriate **Opt** field and press ENTER.

Other message types

Displays the defined color scheme and attributes of messages other than those with a type of INQ (inquiry) for the associated system. To change how other messages display in the Console Log, type 2 (Change) in the appropriate **Opt** field and press ENTER.

Function Key Information

F3=Exit

Exits the Work with Console Attributes screen and re-displays the General System Menu.

F6=Create

Accesses the Add Console Attributes screen, where you can define color schemes and attributes for inquiry and other message types for a specific system. For more information see “Add Console Attributes” on page 168.

F12=Cancel

Re-displays the General System Menu.

Change Console Attributes

User-defined message attributes can be changed for a specified system by typing 2 (Change) in the appropriate **Opt** field from the Work with Console Attributes screen. Any changes that are made can be viewed the next time the Work with Console Log screen is accessed from the PSDetect Main Menu.

The Change Console Attributes screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

- Opt 10 (General System Menu)

>

1 (Work with Console Attributes)

>

2 (Change)
- Opt 2 (Work With Console Log)

>

F20 (Work with Attributes)

>

2 (Change)

PSC050R

PSDetect

2/06/27

Change Console Attributes

System name :

*LOCAL

Inquiry messages . . _

Blue

F4=Prompt new attribute

Other message types _

Green

F4=Prompt new attribute

F3=Exit

F4=Prompt

F12=Cancel

This screen includes the following header, console attribute, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Console Attribute Information

System name

Displays the system name selected from the Work with Console Attributes screen.

Inquiry Messages

Displays the user-defined message color and attribute for inquiry type messages on the selected iSeries system. To change the color or attributes, move the cursor to this field and press F4 (Prompt). For more information, see “Select Attribute” on page 170.

Other Message Types

Displays the user-defined message color and attribute for all other message types on the selected iSeries system. To change the color or attributes, move the cursor to this field and press F4 (Prompt). For more information, see “Select Attribute” on page 170.

Function Key Information

F3=Exit

Exits the Change Console Attributes screen and re-displays the General System Menu.

F4=Prompt

Accesses the Select Attribute screen, where you can define the color scheme and attributes for the selected message type. For more information, see “Select Attribute” on page 170.

F12=Cancel

Re-displays the Work with Console Attributes screen.

Add Console Attributes

Attributes can be initially defined for any system that is monitored by PSDetect quickly and easily by accessing the Add Console Attributes screen. Once a system’s message attributes have been defined, messages will display using the user-defined attributes the next time the Work with Console Log screen is accessed from the PSDetect Main Menu.

The Add Console Attributes screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 10 (General System Menu)	>	1 (Work with Console Attributes)	>	F6 (Create)
Opt 2 (Work With Console Log)	>	F20 (Work with Attributes)	>	F6 (Create)

PSC050R

PSDetect

6/27/02

Add Console Attributes

System name

Inquiry messages . . _

Other message types _

Green

Green

Green

F4=Prompt new attribute

F4=Prompt new attribute

F4=Prompt new attribute

F3=Exit

F4=Prompt

F12=Cancel

This screen includes the following header, console attribute, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Console Attribute Information

System name

Specifies the system name to which the following attributes are applicable.

Inquiry Messages

Displays with the default message color and attribute type of **Green**. To customize the display of inquiry type messages for the specified iSeries system, move the cursor to this field and press F4 (Prompt). For more information, see “Select Attribute” on page 170.

Other Message Types

Displays with the default message color and attribute type of **Green**. To customize the display of all other message types for the specified iSeries system, move the cursor to this field and press F4 (Prompt). For more information, see “Select Attribute” on page 170.

Function Key Information

F3=Exit

Exits the Add Console Attributes screen and re-displays the General System Menu.

F4=Prompt

Accesses the Select Attribute screen, where you can define the color scheme and attributes for the selected message type. For more information, see “Select Attribute” on page 170.

F12=Cancel

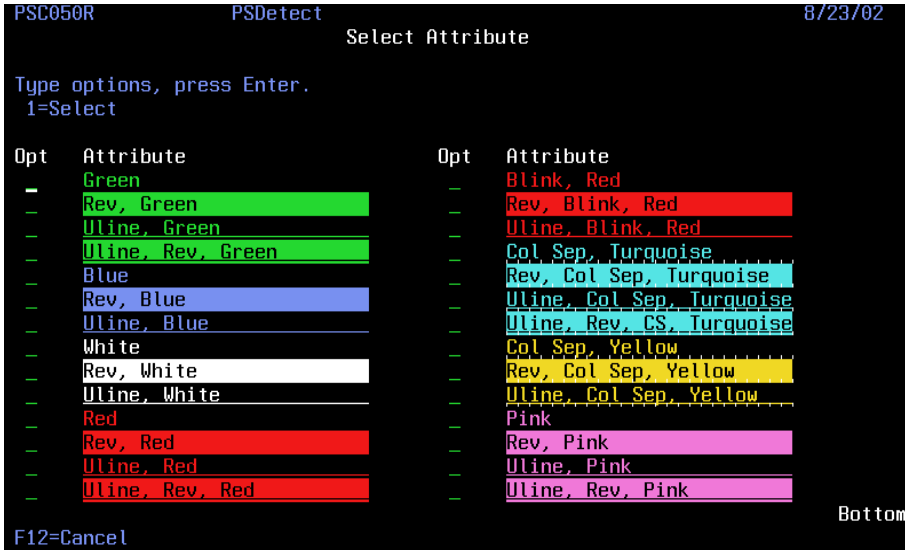
Re-displays the Work with Console Attributes screen.

Select Attribute

If F4 (Prompt) is selected from the Add or Change Console Attributes screen, the Select Attribute screen is displayed. From this screen you can select whichever combination you think would be most appropriate to display on the Console Log.

The Select Attribute screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 10 (General System Menu)	>	1 (Work with Console Attributes)	>	2 (Change)	>	F4 (Prompt)
Opt 10 (General System Menu)	>	1 (Work with Console Attributes)	>	F6 (Create)	>	F4 (Prompt)
Opt 2 (Work With Console Log)	>	F20 (Work with Attributes)	>	2 (Change)	>	F4 (Prompt)
Opt 2 (Work With Console Log)	>	F20 (Work with Attributes)	>	F6 (Create)	>	F4 (Prompt)



This screen includes the following header, attribute, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Attribute Information

Opt

To select an attribute for the specified message type, type 1 (Select) in the appropriate **Opt** field and press ENTER.

Attribute

Displays the color scheme and characteristics to be used by the specified messages in the Console Log.

Function Key Information

F12=Cancel
Re-displays the previous screen.

Change Console Delivery Method

The Console (CONSOLE) command is invoked by selecting the Change Console Delivery Method option from the PSDetect Main Menu. This command lets you to determine how PSDVIEW alert messages are sent to the specified user ID.

The Console (CONSOLE) command screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 2 (Change Console Delivery Method)

This command can also be invoked by typing **CONSOLE** at an i5/OS command line.

```

                                Console (CONSOLE)

Type choices, press Enter.

Delivery . . . . . *BREAK          *BREAK, *NOTIFY, *HOLD

                                                                    Bottom
F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```

This command contains the following parameters:

Delivery

Enter the method used to notify the assigned user of PSDVIEW alerts. Valid notification methods are as follows:

BREAK

This mode results in a pop-up window appearing on the user's interactive session that displays the alert. You can also issue the following command, or place this command in a user's initial program, to ensure that a PSDVIEW message always breaks on a display for a specific user:

PSDETECT/CONSOLE DLVRY(*BREAK)

The following is an example of the pop-up window with a new alert breaking onto the current screen. The message also shows the system the alert arrived on:

MAIN		AS/400 Main Menu		System: ANYSYSTEM	
Select one of the following:					
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"><p style="text-align: center;">PSDetect</p><p style="text-align: center;">Press Enter to acknowledge; Alert will be Closed.</p><p>Message ID: CPF1124 Queue: QHST System: ANYSYSTEM</p><p>Message:</p><p>Job 000780/QSECOFR/QDFTJOB started on 09/25/02 at 15:06:38 in subsystem QBATCH in QSYS. Job entered system on 09/25/02 at 15:06:38.</p><p>F10=Expand F12=Cancel F20=Work with Alert Log</p></div>					
Select					
==>					
<hr/>					
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant					
F23=Set initial menu					

Pop-up Window Function Key Information

Press F10 (Expand) to display full details about the Alert, such as the date, time, type, severity, and so on.

Press F20 (Work with Console Log) to display the Console Log screen, which gives you many more options, such as “Edit Alert Filter” and so on. For more information, see “Console Log Information” on page 98.

The color of the pop-up window border is determined by the color selected for the sending iSeries system on the Work with Console Attributes screen. The color code shown identifies the system that received the message. For more information, see “Work with Console Attributes” on page 162.

NOTIFY

This mode results in a status message appearing at the bottom of the user’s interactive session with the alert information. Use this option to change the default value to *NOTIFY. You also need to place the following command in your initial program:

```
PSDETECT/CONSOLE DLVRY(*NOTIFY)
```

Note

You can only set the Alerts to break or to notify on one screen. If the PSDVIEW action is followed by another action, say PAGE after 5 minutes (to cater for those times when someone fails to see the PSDVIEW Alert on a screen, they can be also paged after a certain length of time), the PAGE action will be shown on the Console Log. Once the PAGE has been successfully sent, the status will change to PSDVIEW.

The following screen shows an example of a new alert arriving in notify mode at the bottom of the current screen.

```
MAIN                               AS/400 Main Menu                               System: ANYSYSTEM

Select one of the following:

    1. User tasks
    2. Office tasks
    3. General system tasks
    4. Files, libraries, and folders
    5. Programming
    6. Communications
    7. Define or change the system
    8. Problem handling
    9. Display a menu
   10. Information Assistant options
   11. Client Access/400 tasks

   90. Sign off

Selection or command
===> _____

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=Information Assistant
F23=Set initial menu
INFO from ANYSYSTEM at 15:13:09 Job 000781/QSECOFR/QDFTJOB started on 09/25/02
```

HOLD

This mode results in a message being sent to the PSM101M message queue. These messages the system administrator reviews and deletes them using the DSPMSG command. Use this option to change the default value to *HOLD. You also need to place the following command in your initial program:

PSDETECT/CONSOLE DLVRY(*HOLD)

Set Default User

The Set Default User Profile screen is used to assign the user profile that is used to run PSDetect Monitor Jobs. The default user profile is granted full authority to PSDetect, and the specified user must have the following attributes:

- authority for all alert queues defined to be monitored
- authority to run all specified commands
- *IOSYSCONFIG special authority in order to send pages

The Set Default User Profile screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 3 (Set Default Users)

```
PSM015C                PSDetect                6/27/02
                        Set Default User Profile

Type choices, press Enter.

User Profile . . . . .  USER1                Name

Monitors run under the authority of the user profile specified in the job
descriptions prefixed PSDSTR in library PSDETECT

The user profile you select needs to be authorised to all the message queues
to be monitored, and needs to be authorised to perform all relevant actions.

Set Default User Profile will perform the following:

The USER parameter of the above named job descriptions will be set to the
user profile selected.

The user profile will be granted full authority to PS Detect

F3=Exit   F12=Cancel
```


Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Default User Profile Information

User Profile

Enter the user profile that will be submitted with the Monitor Jobs function. The specified user profile must be authorized to access all of the message queues to be monitored and to perform all relevant actions.

Function Key Information

F3=Exit

Exits the Set Default User Profile screen and re-displays the General System Menu.

F12=Cancel

Re-displays the General System Menu.

Work With Function Authority

When PSDetect is shipped, all users are authorized to access all PSDetect functions. The Work with Function Authority screen is used to restrict specified users from accessing certain areas of the product. This feature lets management determine which users are granted access to functions and options based on their specific job duties.

Note

The Function Authorities file is held in a scrambled format to prevent users from changing authorities by using a file editor.

The Work with Function Authority screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 4 (Work With Function Authorities)

PSSR70	PSDetect	6/27/02 10:46:32
Work with Function Authority		
Type options, press Enter.		
2=Change 5=Users		
Opt	Function	Option Public Users
-	*ALL	*ALL Y
-	CMDLINE	*FUNCTION Y
-	WRKAUTCOD	*FUNCTION Y
-	WRKMON	*FUNCTION Y
-	WRKMON	*ALL Y
-	WRKMON	RELEASE Y
-	WRKMON	HOLD Y
-	WRKMON	START Y
-	WRKMON	END Y
-	WRKMON	DEFAULTS N JLEIG SJONE AHUDS +
-	WRKMON	WRKSBSJOB Y
-	WRKALTLOG	*FUNCTION Y
-	WRKALTLOG	*ALL Y
-	WRKALTLOG	DELETE N GGRAM +
F3=Exit F12=Cancel		

This screen includes the following header, selection option, function authority, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Edit a Function screen for the specified function and option. This screen is used to change the entry in the **Public** column.

5=Users

Accesses the Work with Users screen, which lets you to grant or remove access for the specified function and option for individual users. This selection option is only valid if the entry in the Public column for the appropriate function and option is 'N' (No).

Function Authority Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Function

Displays the screen where selection options and function key commands are performed.

Option

Displays the command performed for the associated selection option or function key from the specified function.

Public

Displays whether or not all users with public authority have access to the associated function. If the entry in this field is 'N' (No), then users can be granted access to the associated function by typing 5 (Users) in the **Opt** field and pressing ENTER. To change the entry in this column, type 2 (Change) in the **Opt** field and press ENTER.

Users

Displays up to three user names that have been granted access to the associated function. If more than three users have access to this function, a plus sign (+) displays to the right of the third user listed.

To view or edit the list of all users that have access to the function, type 5 (Users) in the **Opt** field and press ENTER.

Function Key Information

- F3=Exit**
Exits the Work with Function Authority screen and re-displays the General System Menu.
- F12=Cancel**
Re-displays the General System Menu.

Edit a Function

The Edit a Function screen is used to change whether authority for the specified function and option is granted to all users, or only individual users that are specified on the Work with Users screen.

The Edit a Function screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu)

>

4 (Work With Function Authorities)

>

2 (Change)

PSSR70

PSDetect

6/27/02 13:16:41

Edit a Function

Function . . .

*ALL

Option

*ALL

Public

Y

F3=Exit

F12=Cancel

This screen includes the following header, function authority, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Function Authority Information

Function

Displays the screen where selection options and function key commands are performed.

Option

Displays the command performed for the associated selection option or function key from the specified function.

Public

Displays whether or not all users with public authority have access to the associated function. If the entry in this field is ‘Y’ (Yes), then all users with public access can utilize this function. If the entry in this field is ‘N’ (No), then individual users can be granted access to the associated function by typing 5 (Users) in the **Opt** field and pressing ENTER.

To change the entry in this field, type Y (Yes) or N (No) and press ENTER.

Function Key Information

F3=Exit

Exits the Edit a Function screen and re-displays the General System Menu.

F12=Cancel

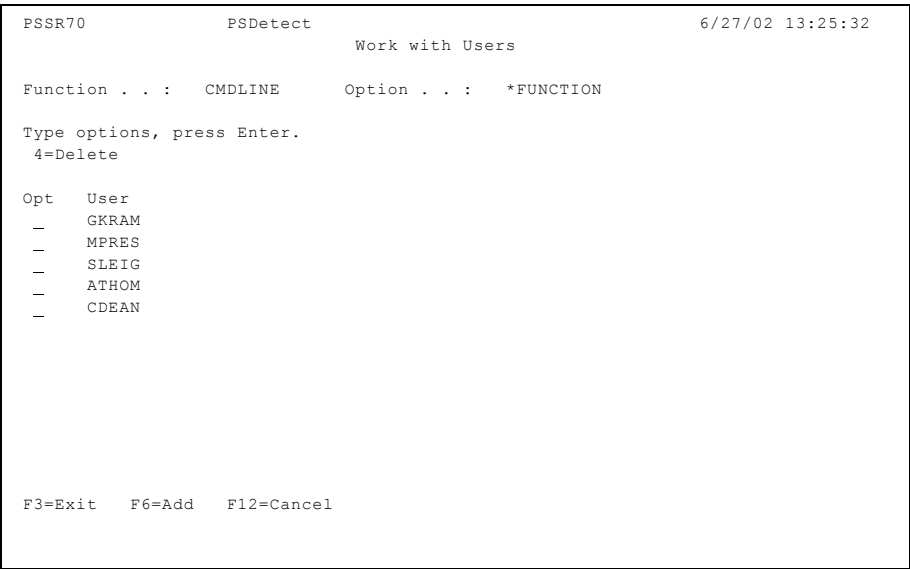
Re-displays the Work with Function Authority screen.

Work with Users

The Work with Users screen is used to specify which individual users have authority to the specified function and option. To access the Work with Users screen, the value in the **Public** column of the Edit a Function screen must be **N** (No).

The Work with Users screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 4 (Work With Function Authorities) > 5 (Users)



This screen includes the following header, selection option, user, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

4=Delete

Access the Delete a User screen for the selected user name. Deleting the user name removes the user's access to the specified function and option. To confirm the deletion, press ENTER. To cancel the delete function, press F12 (Cancel). The Work with Users screen is displayed without deleting the selection.

Function Authority Information

Function

Displays the screen where selection options and function key commands are performed.

Option

Displays the command performed for the associated selection option or function key from the specified function.

Public

Displays whether or not all users with public authority have access to the associated function. If the entry in this field is 'Y' (Yes), then all users with public access can utilize this function. If the entry in this field is 'N' (No), then individual users can be granted access to the associated function by typing 5 (Users) in the **Opt** field and pressing ENTER.

To change the entry in this field, type Y (Yes) or N (No) and press ENTER.

Function Key Information

F3=Exit

Exits the Work with Users screen and re-displays the General System Menu.

F6=Add

Accesses the Add a User screen for the specified function and option. Adding a user name grants function access to the individual user. For more information, see “Add a User” on page 184.

F12=Cancel

Re-displays the Work with Function Authority screen.

Add a User

The Add a User screen is used to grant an individual user authority to the specified function and option.

The Add a User screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt **10** (General System Menu) > **4** (Work With Function Authorities) > **5** (Users) > **F6** (Create)

```

PSSR70                                PSDetect                                6/27/02 13:28:34
                                     Add a User

Function . . . :  CMDLINE
Option . . . :  *FUNCTION
User . . . . . :  _____

F3=Exit      F12=Cancel

```

This screen includes the following header, user, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Function Authority Information

Function

Displays the screen where selection options and function key commands are performed.

Option

Displays the command performed for the associated selection option or function key from the specified function.

Users

Enter the user name to be granted access to the associated function, and press ENTER. The user's name displays in the Work with Users screen.

Function Key Information

F3=Exit

Exits the Work with Users screen and re-displays the General System Menu.

F12=Cancel

Re-displays the Work with Function Authority screen.

Set Network Authority

The Set Network Authority screen is used to assign a profile used to send messages between various iSeries system that are running PSDetect. The profile assigned will be granted the appropriate authority to PSDetect.

The Set Network Authority screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 5 (Set Network Authority)

```
PSM017C          PSDetect          6/27/02
                  Set Network Authority

Type choices, press Enter.

User Profile . . . . .  QUSER      Name

The user profile you select will be granted appropriate authority to PSDetect


F3=Exit   F12=Cancel
```

This screen includes the following header, network authority, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Network Authority Information

User Profile

Enter the user profile that will be used to send messages between iSeries systems that are running PSDetect.

Function Key Information

F3=Exit

Exits the Set Network Authority screen and re-displays the General System Menu.

F12=Cancel

Re-displays the General System Menu.

Display Communications Diag. Log

When a paging action is defined for a filter, you can track the communications between the iSeries system and the modem, and between the iSeries system and the computer at the paging company. The Display Communications Log screen can provide vital information about problems with modem configurations and pager settings.

The Display Communications Log screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 6 (Comms Diagnostics)

Opt 1 (Work With Alert Log) > 6 (Comms Diagnostics)

Opt 2 (Work With Console Log) > 6 (Comms Diagnostics)

```
PSP192R                      PSDetect                      2/05/17
                             Display Communications Log

Type Options, Press Enter.
 5=Display

Opt  Date      Time    S/R  Data
___  5/17/02    8:47:43   S   AT T E0 M1 X0 S0=0 CR
___  5/17/02    8:47:46   R   CR LF OK CR LF
___  5/17/02    8:47:47   S   ATD 8 1 800 759 6366 CR
___  5/17/02    8:48:13   R   CR LF CONNECT LAPM COMPRESSED CR LF
___  5/17/02    8:48:13   S   CR
___  5/17/02    8:48:15   R   ID=
___  5/17/02    8:48:15   S   ESC PG1 CR
___  5/17/02    8:48:17   R   CR ACK CR ESC CR
___  5/17/02    8:48:17   S   STX 9429742 CR
___  5/17/02    8:48:38   S   EOT CR
___  5/17/02    8:48:41   R   ESC EOT CR
___  5/17/02    8:48:43   S   +++
___  5/17/02    8:49:59   S   AT T E0 M1 X0 S0=0 CR

                                     MORE...

F3=Exit   F5=Refresh   F12=Cancel
                                     +
```

The conversation between the iSeries system and the Service Provider will differ depending on which Service Provider you are using. The previous figure shows an example of a communications log using the standard TAP protocol and provides a sample of the data retrieved.

This screen includes the following header, selection option, communications log, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

5=Display

Displays the next screen of the Display Communications Log, which provides detailed diagnostic data for the specified line. For more information, see “Display Communications Log Screen 2” on page 191.

Display Communications Log Information

Opt

To perform the selection option, type the number of the option in this field and press ENTER.

Date

The date that the communication was either sent or received in the system-defined format.

Time

The time that the communication was either sent or received in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

S/R

Indicates whether the communication was sent (‘S’) to or received (‘R’) from the paging company’s computer.

Data

Displays up to 53 characters of the communication data that was passed to or from the modem. This information can help provide the status of the page being sent.

Function Key Information

F3=Exit

Exits the Display Communications Log screen and re-displays the General System Menu.

F5=Refresh

Re-displays the screen with current results.

F12=Cancel

Re-displays the previous screen.

Display Communications Log Screen 2

To view detailed paging communication data for a single line, type 5 (Display) in the appropriate **Opt** field and press ENTER. The second Display Communications Log screen is displayed.

This screen displays the return code of the message, the length of the message, and the complete communication text displayed in the **Data** field, as well as the information provided from the initial Display Communications Log screen.

The secondary Display Communications Log screen is displayed by executing one of the following option strings starting at the PSDetect Main Menu:

Opt 10 (General System Menu)	>	6 (Comms Diagnostics)	>	5 (Display)
Opt 1 (Work With Alert Log)	>	6 (Comms Diagnostics)	>	5 (Display)
Opt 2 (Work With Console Log)	>	6 (Comms Diagnostics)	>	5 (Display)

```
PSP192R          PSDetect          2/05/24
                  Display Communications Log

Date . . . . . : 2/05/20
Time . . . . . : 15:06:04

Send/receive . . . : S
Return code . . . : 0000
Length . . . . . : 19

Data:
AT T E0 M1 X0 S0=0 CR

F3=Exit  F12=Cancel
```

This screen includes the following header, display, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Display Information

Date

The date that the alert message was either sent or received in the system-defined format.

Time

The time that the alert message was either sent or received in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Send/receive

Indicates whether the communication was sent (S) to or received (R) from the paging company's computer.

Return code

Displays a four-digit number which indicates whether the communication transmission was successful. A return code of '0000' indicates a successful transmission, where any other entry in this field represents an error. see subsequent Communication Log entries on the previous Display Communication Log screen for further communication attempts.

Length

Displays the number of characters contained in the **Data** field.

Data

Displays the actual communication data that was passed to or from the modem. This information can help provide the status of the page being sent.

Function Key Information

F3=Exit

Exits the Display Communications Log second screen and re-displays the General System Menu.

F12=Cancel

Re-displays the main Display Communications Log screen.

Interpreting the Communications Diagnostics Log

Even though the paging protocol your service provider uses may differ from the one in “Display Communications Diag. Log” figure, the structure is nearly always the same.

Using the previous example, the following defines what each sentence of the paging conversation means (CR always means Carriage Return, LF always means Line Feed):

AT T E0 M1 X4 S0=0 S7=30 CR

The modem initialization string, picked up from the Service Provider record.
This initialization string will vary depending on the modem used.

CR LF OK CR LF

This is the initialization string accepted by the modem.

ATD 8 1 800 759 6336 CR

ATD is the asynchronous command to begin dialing. The telephone number is picked up from the service provider record.

CR LF CONNECT 2400 CR LF

The iSeries system modem and the service provider modem have connected at 2400 baud.

CR

We send a carriage return to indicate we are ready to start the conversation.

ID=

The service provider asks for identification.

ESC PG1X12345 CR

ESC PG1 is part of the paging protocol to identify the next string as the password, which is again picked up from the service provider.

Note

Some paging companies require you to send a password with each message while others do not. Check with your service provider to determine their requirements.

CR ACK CR ESC \$p CR

The service provider acknowledges the password as being correct and asks us to send the message.

STX 112233 CR Job 009298/JOE/DEMO completed normally on 03/02/98 at 23:54:20. CR ETX 380 CR

STX denotes the Start of Text. 112233 is the pager number to receive the message. After the carriage return the actual message is sent. After the second carriage return, ETX denotes the End of Text and is followed by checksum digits.

CR ACK CR

The service provider acknowledges receipt of the message.

EOT CR

We send the End Of Transmission request.

ESC EOT CR

The End Of Transmission request is accepted by the service provider.

+++

This symbol represent the modems disconnecting and hanging up the line.

Print Communications Diag. Log

The Print Communications Log screen is used to print a hardcopy of the information sent between the iSeries system and the paging modem during a specified date and time. This information can be used to evaluate paging issues.

The Print Communications Log screen is displayed by executing of the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 7 (Print Communications Diag. Log)

PSP390R

PSDetect

7/01/02

Print Communications Log

Type choices, press Enter.

Time period for print:

Start time and date:

Beginning time *AVAIL

Beginning date *BEGIN

Time (24 hours), *AVAIL

Date, *BEGIN

End time and date:

Ending time *AVAIL

Ending date *END

Time (24 hours), *AVAIL

Date, *END

F3=Exit F12=Cancel

This screen includes the following header, printing, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Print Information

Beginning time

Enter the earliest time when a diagnostic communication message was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of *AVAIL displays all entries. For example, 11:59:59 PM is entered as '235959'.

Beginning Date

Enter the earliest date a diagnostic communication message was generated that you want to display. Enter the date in the system-defined format. An entry of *BEGIN displays all entries.

Ending time

Enter the latest time a diagnostic communication message was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of *AVAIL displays all entries. For example, 11:59:59 PM is entered as '235959'.

Ending date

Enter the latest date a diagnostic communication message was generated that you want to display. Enter the date in the system-defined format. An entry of *END displays all entries.

Function Key Information

F3=Exit

Exits the Print Communications Log screen and re-displays the General System Menu.

F12=Cancel

Re-displays the General System Menu.

Print Alert Log

The Print Alert Log is used to print a full audit trail. This report will show the messages detected by the Alert Queue Monitor, and what actions were processed. If a paging action was initiated, this report displays the pager, list, group or schedule to which the message was sent.

The Print Alert Log screen is displayed by executing of the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu)

> 8 (Print Alert Log)

PSM370R

PSDetect

7/01/02

Print Alert log

Type choices, press Enter.

Status

*ALL

*ALL, OPEN, NEW, ERROR, CLOSED

Monitored message queue .

*ALL

*ALL, Name, F4=List

Library

*ALL

*ALL, Name

Time period for print:

Start time and date:

Beginning time

*AVAIL

Time (24 hours), *AVAIL

Beginning date

*BEGIN

Date, *BEGIN

End time and date:

Ending time

*AVAIL

Time (24 hours), *AVAIL

Ending date

*END

Date, *END

F3=Exit

F4=List

F12=Cancel

This screen includes the following header, print alert log, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Print Alert Log Information

Status

Enter the status for which the report is required. *ALL will show all the messages regardless of status.

Monitored message queue

Select which Monitored Alert Queue is required. *ALL will include all monitored Alert Queues.

Library

Enter the name of the library where the monitored message queue is located.

Beginning time

Enter the earliest time an alert was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of *AVAIL displays all entries. For example, 11:59:59 PM is entered as '235959'.

Beginning date

Enter the earliest date a message was generated that you want to display. Enter the date in the system-defined format. An entry of *BEGIN displays all entries.

Ending time

Enter the latest time an alert was generated that you want to display. Enter the time in the *HHMMSS* format without separators, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second. An entry of *AVAIL displays all entries. For example, 11:59:59 PM is entered as '235959'.

Ending date

Enter the latest date a message was generated that you want to display. Enter the date in the system-defined format. An entry of *END displays all entries.

Function Key Information

F3=Exit

Exits the Print Alert Log screen and re-displays the General System Menu.

F4=List

Displays the Select Monitored Message Queue pop-up window, which displays a list of valid message queues and their associated library and description. To select an entry from the list, type **1** (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the General System Menu.

Print Alert Filters

From time to time it may be useful to see all the alert filters that have been set up in hard copy format, especially if you have several alert filters with complex selection criteria.

The Print Alert Filters Report will show all the alert filters that have been set up, their associated selection criteria, compare data and actions in an easy-to-read format.

To make the report as clear as possible you can exclude “Held” alert filters. Since all of the example alert filters that are shipped with the software are in a “Held” status, this feature lets you to retain these examples on your system without impeding your view of your own alert filters.

The Print Alert Filters screen is displayed by executing of the following option string starting at the PSDetect Main Menu:

Opt 10 (General System Menu) > 9 (Print Alert Filters)

PSM330R	PSDetect	7/01/02
Print Alert Filters		
Type choices, press Enter.		
Monitored queue	<u>*ALL</u>	Name, *ALL, F4=List
Library	<u>*ALL</u>	Name, *ALL
Print held filters ? . . .	<u>N</u>	Y=Yes, N=No
F3=Exit F4=List F12=Cancel		

This screen includes the following header, print alert filter, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Print Alert Filter Information

Monitored queue

Enter the name of the monitored alert queue where the alert filters reside. This can be a single monitored alert queue or all monitored alert queues.

Library

Enter the name of the library where the monitored alert queue is located.

Print held filters?

You can choose to omit HELD Alert Filters by typing Y (Yes) in this field.

Function Key Information

F3=Exit

Exits the Print Alert Filter screen and re-displays the General System Menu.

F4=List

Displays the Select Monitored Message Queue pop-up window, which displays a list of valid message queues and their associated library and description. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the General System Menu.

Chapter 5

PSDetect Action Setup Menu

This chapter describes the options from the PSDetect Action Setup Menu that can be performed through the user interface.

PSDetect Action Setup Menu

The PSDetect Action Setup Menu provides access to action-specific screens that are used to customize the PSDetect system.

This menu is accessed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu)

```
PD2                               NetIQ Corporation          USER1      Date:  6/25/08
                                PSDetect Action Setup Menu    ANYSYSTEM   Time: 13:52:55

Select one of the following:

1  Work With Service Providers      15 Work With Network DDM Environment
2  Work With Pagers                16 Work With Network SNADS Environmen
3  Work With Phones

6  Work With Email Addresses        20 Work With Escalation Lists
                                   21 Work With Broadcast Groups
                                   22 Work With Schedules
                                   23 Work With Rotas

10 Work with Trap Packages

Enter Option or Function/Type ==> _____

F1=Help      F3=Exit      F6=Messages  F9=Window    F10=Cmd Line
F12=Previous F13=Attention F14=Batch Jobs F18=Reports
```

This menu includes the following header, menu option, and function key information:

Header Information

- function name**
The code for this function. In this case, “PD2” indicates that the PSDetect Action Setup Menu is the second menu that can be accessed from the PSDetect application.
- panel name**
The name of the panel displayed.
- user**
The user profile that is running the interactive session.

date

The date the screen was accessed in the standard system format.

time

The time the screen was accessed in the *HH:MM:SS* format, where *HH* is the hour in 24-hour time, *MM* is the minute, and *SS* is the second.

Menu Option Information

Work with Service Providers

Accesses the Work with Service Providers screen, which is used to set up service provider information used to send pages to pagers and phones. For more information, see “Work with Service Providers” on page 206.

Work with Pagers

Accesses the Work with Pagers screen, which is used to set up individual pager information. For more information, see “Work with Pagers” on page 215.

Work with Phones

Accesses the Work with Phones screen, which is used to define individual phones to receive tonal or text messages. For more information, see “Work with Phones” on page 221.

Work with Email Addresses

Accesses the Work with Email Addresses screen, which is used to define individual user e-mail addresses. For more information, see “Work with Email Addresses” on page 227.

Work with Trap Packages

Accesses the Work with Trap Packages screen, which is used to set up alert trap actions to be sent to a list of specified managers. For more information, see “Work with Trap Packages” on page 234.

Work with Network DDM Environment

Accesses the Work with Network DDM Environment screen, which is used to set up remote iSeries systems to send alert information to the host iSeries system. For more information, see “Work with Network DDM Environment” on page 242.

Work with Network SNADS Environment

Accesses the Work with Network Directory screen, which is used to identify the host iSeries system and the network (remote) systems. For more information, see “Work with Network SNADS Environment” on page 246.

Work with Escalation Lists

Accesses the Work with Escalation Lists screen, which is used to define a chain of command in order to resolve issues that need immediate attention. For more information, see “Work with Escalation Lists” on page 253.

Work with Broadcast Groups

Accesses the Work with Broadcast Groups screen, which is used to set up a list of users who will be sent alert messages simultaneously. For more information, see “Work with Broadcast Groups” on page 261.

Work with Schedules

Accesses the Work with Schedules screen, which is used to determine who should be paged according to the day and time, or calendar date. For more information, see “Work with Schedules” on page 269.

Work with Rotas

Accesses the Work with Rotas screen, which is used to define a rotation that identifies who is on-call based on a duty schedule. For more information, see “Work with Rotas” on page 281.

Function Key Information

See “Function Key Information” on page 21 for a description of valid PSDetect menu function keys.

Work with Service Providers

The majority of paging service providers use the international standard TAP (or Motorola/PET) protocol. With some service providers it is critical to get the modem speed exactly correct or all the pager messages sent to it will fail to get through.

Setting up the service provider correctly for your particular pager is the first step in setting up paging in general.

The Work with Service Provider screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 1 (Work with Service Providers)

```
PSP020R                PSDetect                6/27/02
                        Work with Service Providers

Type options, press Enter.
 2=Change  3=Copy  4=Delete  5=Display

Opt  Service provider  Description
-    *NONE             Numeric/Tone Pagers & Phones
-    BENELUX           Benelux
-    BT                British Telecom
-    CALPAGE           CalPage (Stockton)
-    CALPAGE2          CalPage (Stockton)
-    CELLGSM           Cellnet GSM Phones
-    DENMARK           Denmark
-    DENMARKGSM        Denmark GSM Phones
-    DENSONSMS         Denmark Sonofon SMS
-    EIRE              Eire
-    EIREGSM           Eire GSM Phones
-    FRANCE            France
-    GERMANY           Germany

                                                                More...

F3=Exit  F6=Create  F12=Cancel  F21=Command Line
```

This screen includes the following header, selection option, service provider, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Change a Service Provider screen, which lets you edit the configuration for the specified service provider.

3=Copy

Accesses the Copy a Service Provider screen with the data from the selected service provider automatically entered. This feature lets you copy the configuration of a selected service provider in order to add a new service provider record with the same information.

4=Delete

Accesses the Confirm Delete of Service Providers screen, which lets you delete a service provider record. Press ENTER to confirm the deletion and return to the Work with Service Providers screen. To return to the Work with Service Providers screen without deleting the displayed service provider record, press F12 (Cancel).

5=Display

Lets you view the configuration for a selected service provider. The information displayed on this screen cannot be changed. To make changes to the displayed service provider information, access the Change a Service Provider screen for the appropriate service provider.

Service Provider Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Service provider

Displays the name of the service provider that has been configured to send pager messages on your system.

Description

Displays the explanation of the service provider.

Function Key Information

F3=Exit

Exits the Work with Service Provider screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create a Service Provider screen. This screen contains the same fields and function keys as the Change a Service Provider screen. For more information, see “Change a Service Provider” on page 209.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Change a Service Provider

Several of the larger service providers are already set up for you; however, some fields may need adjustment. For example, the modem initialization string may need to be corrected depending on the modem that you are using.

The Change a Service Provider screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 1 (Work with Service Providers) > 2 (Change)

PSP020R

PSDetect

6/27/02

Change a Service Provider

Service provider . . .	BENELUX	
Description	<u>Benelux</u>	Name
Modem initialisation .	<u>AT T E0 M1 X4 N0 S0=0 S7=30</u>	
Modem phone number . .	<u>00 31 6 575 06 575</u>	Number
Alternative modem no. .		Number
Modem baud rate	<u>300</u>	300, 1200, 2400 ...
Parity	<u>E</u>	E=Even, O=Odd, N=None
Data bits	<u>7</u>	7, 8
Stop bits	<u>1</u>	1, 2
Maximum message length.	<u>230</u>	1-230 characters
Message retry interval.	<u>60</u>	10 - 3600 seconds
Message retry count . .	<u>30</u>	1 - 999 times
Messages per phone call	<u>1</u>	1 - 999 messages
Password	<u>*NONE</u>	Name, *NONE
Network identifier . .	<u>*NONE</u>	Name, *NONE
Protocol	<u>PTT</u>	Name, F4=List

F3=Exit F4=List F12=Cancel

This screen includes the following header, service provider, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Service Provider Information

Service Provider

Specifies the name of the service provider. The name entered here is used elsewhere to reference this service provider information.

Description

The full name of the service provider.

Modem Initialization

The initialization string for your modem. For more information about this value, see the documentation that was provided with your modem or contact the modem distributor.

Modem Phone No

Specifies the telephone number of the service provider's modem.

Alternative Phone No

Specifies the telephone number of an alternative modem to be called if the primary number is busy or out of service. If available, this number is provided by your paging company.

Modem Baud Rate

Specifies the speed at which the service provider can receive transmissions. This parameter value is usually a low number, such as 300 or 1200, and is set by the service provider.

Parity

Specifies the parity. This can be 'O' (Odd), 'E' (Even), or 'N' (None). This parameter value is set by the service provider.

Data Bits

The number of data bits can be 7 or 8. This parameter value is set by the service provider.

Stop Bits

The number of stop bits can be 0 or 1. This parameter value is set by the service provider.

Maximum Message Length

Specifies the maximum number of characters that the service provider's pagers can display. Some service providers cannot accept messages that exceed 250 characters. PSDetect has the capability, if enabled, to break up messages that are too long into smaller pieces.

Message Retry Interval

Specifies the interval, in seconds, that the Paging Monitor will wait before attempting to connect to the service provider if the first attempt has failed. This could be because the service provider is busy.

Message Retry Count

Specifies the number of attempts to connect successfully to the service provider before giving up. If this limit is reached, the pending alert is displayed with an error status in the Alert Log.

Messages Per Phone Call

Specifies the number of messages that can be accepted by the service provider in one transmission. Some service providers allow message streaming (ability to receive multiple messages per call). To determine whether message streaming is supported, contact your service provider.

Password

Specifies the password that your service provider has given to your company, if your service provider requires a password when sending pages.

Network Identifier

Specifies your Network Identification which lets you access the service provider. Used by some international service providers.

Protocol

Specifies the paging protocol used by this service provider.

Function Key Information

F3=Exit

Exits the Change a Service Provider screen and re-displays the PSDetect Action Setup Menu.

F4=List

Displays the Select Paging Protocol pop-up window, which contains a list of valid field entries. To select an entry from the list, type **1 (Select)** in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Service Provider screen.

Change *NONE Details

A special service provider (*NONE) is provided for numeric pagers, tone pagers, and tonal telephones. Technically, a service provider is not required for these types of pagers and analog phones; however, the modem initialization string required for these types of pagers and phones is usually very different from alphanumeric type pagers. The *NONE service provider record is provided for this purpose.

From the Work with Service Providers screen, type 2 (Change) in the **Opt** field to the left of the *NONE service provider.

Opt 11 (PSDetect Action Setup Menu)

> 1 (Work with Service Providers)

> 2 (Change) in the *NONE Opt field

PSP020R

PSDetect

6/27/02

Change *NONE Details

Type choices, press Enter.

Service provider . . . :

Description

Modem initialisation .

*NONE

Numeric/Tone Pagers & Phones

AT T E0 M1 X0 S0=0

Message retry interval.

Message retry count . .

60

10

10 - 3600 seconds

1 - 999 times

Numeric wait time . . . ,,,

N.B. The numeric wait time is required to allow a voice message to complete before sending a numeric message. Each , represents a number of seconds. The number of seconds is variable and is governed by the S8 value in the modem initialisation string; e.g. S8=3 and ,,, would wait 9 seconds.

F3=Exit

F12=Cancel

This screen includes the following header, *NONE service provider, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

*NONE Service Provider Information

Service Provider

Displays the service provider that is set up for numeric and tone pagers and tonal telephones.

Description

The explanation of the *NONE service provider.

Modem Initialization

Enter the modem initialization string. See your modem handbook or call your Distributor for further assistance.

Message Retry Interval

Specifies the interval, in seconds, that the Paging Monitor will wait before attempting to connect to the service provider if the first attempt has failed.

Message Retry Count

Specifies the number of unsuccessful attempts to connect to the service provider that is allowed. If the number is exceeded, PSDetect will not try again to connect until further action is taken.

Numeric Wait Time

The numeric wait time is required to allow a voice message to complete before sending a numeric message. Each “,” (comma) represents a number of seconds. The number of seconds is variable and is governed by the S8 value in the modem initialization string.

For example, when S8 is 3, each “,” represents 3 seconds. Therefore, when “,,,” is entered in the **Numeric wait time** field, the numeric message is sent after 9 seconds.

Function Key Information

F3=Exit

Exits the Change *NONE Details screen and re-displays the PSDetect Action Setup Menu.

F12=Cancel

Re-displays the Work with Service Providers screen.

Work with Pagers

The Work with Pagers screen is used to maintain a list of alphanumeric, numeric or tonal pagers that will be used to receive alert messages.

A pager message can either be sent to a single pager, phone, escalation list, broadcast group, or schedule. You can also specify weekly paging rotations.

The Work with Pagers screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 2 (Work with Pagers)

PSP030R		PSDetect		6/27/02	
Work with Pagers					
Type options, press Enter.					
2=Change 3=Copy 4=Delete 5=Display 6=Release 7=Hold					
Opt	Name	Description	Pager number	Type	Held
—	JAMES	James Leighton	2815556508	ALPHA	
—	MATTHEW	Matthew Grant	2815552449	TONE	
—	WAYNE	Wayne Benjamin	2815551719	NUMERIC	
—	EDWARD	Edward Lloyd	2815554529	ALPHA	
Bottom					
F3=Exit F6=Create F12=Cancel F21=Command Line					

This screen includes the following header, selection option, pager, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Change a Pager screen, which lets you edit the configuration for the specified pager.

3=Copy

Accesses the Copy a Pager screen with the data from the selected pager automatically entered. This feature lets you copy the configuration of a selected pager in order to add a new pager record with the same information.

4=Delete

Accesses the Confirm Delete of Pagers screen, which lets you delete a pager record. Press ENTER to confirm the deletion and return to the Work with Pagers screen. To return to the Work with Pagers screen without deleting the displayed pager record, press F12 (Cancel).

5=Display

Lets you view the configuration for a selected pager. The information displayed on this screen cannot be changed. To make changes to the displayed pager information, access the Change a Pager screen for the appropriate pager.

6=Release

Releases a pager that has been placed on HOLD status, which allows messages to be sent to the pager.

7=Hold

Temporarily stops messages from being sent to the specified pager.

Pager Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Name

Displays the name of the pager that has been configured to send messages on your system.

Description

Displays the explanation of the pager.

Pager number

Displays the unique pager number issued to you by the service provider. This is not the serial number located on the back of the pager. This number is the usually the phone number for the pager or the PIN number that was issued by the paging company.

Type

Displays whether the pager is an alpha, tone, or numeric type pager.

Held

Displays whether the pager has been placed in HOLD status. If the pager has been placed on hold, 'YES' displays in this column. If the pager has not been placed on hold, this column is left blank.

Function Key Information

F3=Exit

Exits the Work with Pager screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create a Pager screen. This screen contains the same fields and function keys as the Change a Pager screen. For more information about these fields and function keys, see "Change a Pager" on page 219.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Change a Pager

The Change a Pager screen is used to change configuration for the selected pager; including the description, type, phone number, service provider, and whether to attach the alert message date and time, and job name to the message sent.

The Change a Pagers screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 2 (Work with Pagers) > 2 (Change)

PSP030R	PSDetect	Change a Pager	6/28/02
Type choices, press Enter.			
Name	JAMES		
Description	<u>James Leighton</u>	Name	
Type	<u>ALPHA</u>	ALPHA, NUMERIC, TONE	
Pager number	<u>9087654321</u>	Number	
Service provider	<u>SKYTEL</u>	Name, F4=List	
Append date/time to message	<u>N</u>	Y=Yes, N=No	
Append job name to message	<u>N</u>	Y=Yes, N=No	
F3=Exit F4=List F12=Cancel			

This screen includes the following header, pager, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Pager Information

Name

Displays the name associated to the pager, which is usually the name of the person carrying the pager. This name is used to identify the pager when setting up pager actions.

Description

Displays the explanation of the pager, which is usually the person's full name or the name of his department.

Type

Enter the pager type:

ALPHA

Use this type for Alpha Message Pagers

NUMERIC

Use this type for Numeric Pagers

TONE

Use this type for Tone Pagers

Pager Number

Displays the unique pager number issued to you by the service provider. This is not the serial number located on the back of the pager. This number is the usually the phone number for the pager or the PIN number that was issued by the paging company.

Service Provider

Displays the name of the service provider for this pager. To view a list of valid service providers, press F4 (List). If the service provider for this pager is not listed, see "Work with Service Providers" on page 206.

Append Message Date / Time To Message

Specifies whether you want to attach the message date and time to the pager message. Default values are set in the Paging System Defaults located in the menu option “Work with Monitors” on page 124. This parameter is valid only for alphanumeric pagers.

Append Job Name To Message

Specifies whether you want to attach the job name to the pager message. This parameter is valid only for alphanumeric pagers.

Function Key Information**F3=Exit**

Exits the Change a Pager screen and re-displays the PSDetect Action Setup Menu.

F4=List

Displays the Select a Service Provider pop-up window, which contains a list of valid providers and their associated protocol. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Pagers screen.

Work with Phones

The Work with Phones screen lets you maintain a list of digital (GSM) or analog mobile phones, and standard telephones that receive alert messages.

A message can either be sent to a single Phone, an Escalation List, Broadcast Group or Schedule. A message can be sent as text to digital GSM phones or tonal to a standard phone.

The Work with Phones screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 3 (Work with Phones)

PSP035R	PSDetect	Work with Phones	6/28/02		
Type options, press Enter.					
2=Change 3=Copy 4=Delete 5=Display 6=Release 7=Hold					
Opt	Name	Description	Phone number	Type	Held
_	BRENT	Brent Smith's phone	2815556543	TONE	
_	Sara	Sara Jones' phone	2815556542	TEXT	
				Bottom	
F3=Exit F6=Create F12=Cancel F21=Command Line					

This screen includes the following header, selection option, phone, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Change a Phone screen, which lets you edit the information for the specified phone record.

3=Copy

Accesses the Copy a Phone screen with the data from the selected phone record automatically entered. This feature lets you copy the description, type of message to send, phone number, and service provider in order to add a new phone record with the similar information.

4=Delete

Accesses the Confirm Delete of Phones screen, which lets you delete a phone record. Press ENTER to confirm the deletion and return to the Work with Phones screen. To return to the Work with Phones screen without deleting the displayed phone record, press F12 (Cancel).

5=Display

Lets you view the information for a selected phone record. The information displayed on this screen cannot be changed. To make changes to the displayed phone record, access the Change a Phone screen for the appropriate phone record.

6=Release

Releases a phone that has been placed on HOLD status, which allows messages to be sent to the phone.

7=Hold

Temporarily stops messages from being sent to the specified phone.

Phone Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Name

Displays the unique name used to identify the phone when setting up paging actions. This value is usually the name of the person carrying the phone.

Description

Displays an explanation of the name associated to the phone. This value usually provides the full name of the person carrying the phone.

Phone number

Displays the associated telephone number.

Type

Displays whether the phone accepts tonal or text messages.

Held

Displays whether the phone has been placed on HOLD status. If the phone has been placed on hold, 'YES' displays in this column. If the phone has not been placed on hold, this column is left blank.

Function Key Information

F3=Exit

Exits the Work with Pager screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create a Phone screen. This screen contains the same field and function key information as the Change a Phone screen. For more information, see "Change a Phone" on page 224.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Change a Phone

The Change a Phone screen lets you change configuration for the selected phone; including the description, type, phone number, service provider, and whether to attach the alert message date and time, and job name to the message sent.

The Change a Phone screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 3 (Work with Phones) > 2 (Change)

PSP035R	PSDetect	Change a Phone	7/01/02
Type choices, press Enter.			
Name	: BRENT		
Description	<u>Brent Smith's phone</u>	Name	
Type of message to send . .	<u>TEXT</u>	TEXT, TONE	
Phone number	<u>2819876543</u>	Number	
Service provider	<u>PAGENET</u>	Name, F4=List	
Append date/time to message	<u>N</u>	Y=Yes, N=No	
Append job name to message	<u>N</u>	Y=Yes, N=No	
Repeat tones for	___	5 - 180 seconds	
F3=Exit F4=List F12=Cancel			

This screen includes the following header, phone, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Phone Information

Name

Enter a name used to identify the phone when setting up pager actions. This name is usually the name of the person carrying the phone.

Description

Enter the explanation of the phone, which is usually the person's full name or name of the department.

Type of message to send

Enter the message type:

TEXT

Send text messages to this digital mobile phone. Sometimes referred to as SMS (Short Messaging Service)

TONE

Send tonal messages to this phone. Tonal messages can be sent to any type of phone. Tonal messages reproduce the sounds of numbers being dialed on a touch telephone.

Phone number

Enter the phone number without special characters. For example, pager number 1 (713) 555-1234 is entered as '17135551234'.

Service Provider

Enter the name of the service provider you are using. Press F4 (List) to display a pop-up window of valid service providers. If you are sending a TONE message, specify *NONE in the **Service Provider** field.

Append date / time to message

Specifies whether you want to attach the message date and time to the text message. This option is valid only for TEXT messages.

Append job name to message

Specifies whether you want to attach the job name to the text message.

Repeat tones for

Specifies the number of seconds a tone message will continue to repeat. There are three purposes for this field:

- Preparing for telephone answering machines. The tone message sent by the PSDetect Alert Monitor has to continue long enough for the answering machine's outgoing message to complete before it starts to record the incoming message.
- Gives people time enough to get to the phone and answer it, before the tone message stops.
- Lets a tone message to play for a pre-determined number of seconds to alert you to an incoming text message. This is useful if your phone does not beep or ring very loudly. This feature is used in conjunction with a text based digital mobile phone both set up within a Broadcast Group.

Function Key Information

F3=Exit

Exits the Change a Phone screen and re-displays the PSDetect Action Setup Menu.

F4=List

Displays the Select a Service Provider pop-up window, which contains a list of valid providers and their associated protocol. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Phones screen.

Work with Email Addresses

The Work with Email Addresses screen lets you maintain a list of PSDetect e-mail IDs. The e-mail IDs can be used on an EMAIL or MIXED action for filtered messages to send the message to the related internet mail addresses defined for a particular e-mail ID.

When using the MIXED action, you can send a message to a broadcast group, rota, escalation list, or schedule that contains a mix of pagers, phones, and e-mail IDs.

Use F1 (Help) to obtain context - sensitive help while in this function.

The Work with Email Addresses screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 6 (Work with Email Addresses)

PSE030T1	Work with Email Addresses	16:33:06	7/01/2002
ANYSYSTEM	PentaSafe, Inc.		Review
Type options, press Enter.			
2=Edit 4=Delete 5=Display			
1	(1)	(2)	(3)
	Address		
Opt	Id	Address	View
—	CAROL	C.KRAMER@mycompany.com	1
—	JACOB	jacobpreston@mycompany.com	1
—	JLEIGH	JamesLeighton@mycompany.com	1
—	ROBDALE	ROB.DALEY@mycompany.com	1
Bottom			
F1=Help	F3=Exit	F6=Add	F7=Review
F13=Repeat		F8=Browse	

This screen includes the following header, selection option, e-mail address, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Work with Email Addresses - Edit screen, which lets you make changes to the selected e-mail address record. For more information, see “Work with Email Addresses - Edit” on page 231.

4=Delete

Accesses the Work with Email Addresses - Review screen with the selected e-mail address record displayed. To confirm the deletion and return to the Work with Email Addresses screen, press ENTER. To return to the Work with Email Addresses screen without deleting the displayed e-mail address record, press F12 (Cancel).

5=Display

Lets you view the details of a selected e-mail address record. The information displayed on this screen cannot be changed. To make changes to the displayed e-mail address record, access the Work with Email Addresses - Edit screen for the appropriate e-mail address.

E-mail Address Information

sort column

Enter a column number for the column you want to sort. The column numbers that can be entered are shown under the related columns in parenthesis. Type the number of the column that you want to use to sort records, and press ENTER. The data is displayed in ascending order. Only one of the column numbers shown can be entered in the column field.

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

address ID subset

Using the input field above the **Address ID** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

Address ID

Displays the unique name used to identify the e-mail address. This value can be up to 10 characters in length, and is usually the user name associated with the e-mail address.

address subset

Using the input field above the **Address** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

Address

Displays the internet e-mail address for the associated Address ID. All e-mail addresses must contain at least one period (.) and an ‘@’ symbol.

view subset

Using the input field above the **View** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

View

Displays the current status of the e-mail address. Valid views are 1 (Open), 2 (Closed), 3 (Pending). E-mail messages must have a status of 1 (Open) to be sent.

Function Key Information

F1=Help

Provides additional information about using the display or a specific field on the display. For more information about using screen help, see “Online Help” on page 15 .

F3=Exit

Exits the Work with Email Addresses screen and re-displays the PSDetect Action Setup Menu.

F6=Add

Accesses the Work with Email Addresses - Add screen.

F7=Review

Accesses the Work with Email Addresses - Review screen.

F8=Browse

Lets you page through records by entering optional starting data and pressing ENTER.

F13=Repeat

Lets you repeat a previously entered action.

Using Subset Fields

Subset fields are identified by a line above a column heading. These fields let you select a subset of entries starting with the information that matches the value specified. Information is selected by typing a value in this field that matches values displayed in the column or by typing the first few character of the appropriate value and pressing ENTER.

The value specified in this field is case sensitive. When a value is typed with an uppercase initial letter, values with the same initial letter in lowercase will not be displayed. However, if a value is typed with a lowercase initial letter, the list displays starting with the value that most closely matches the lowercase typed value.

Work with Email Addresses - Edit

The Work with Email Addresses - Edit screen is used to change the e-mail ID, e-mail address, and whether to attach the alert message date and time, and job name to the message sent.

The Work with Email Addresses - Edit screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 6 (Work with Email Addresses) > 2 (Change)

PSE030B	Work with Email Addresses	14:20:34	7/03/2002
ANYSYSTEM	PentaSafe, Inc.		Edit
Email Id . . .	PRESTON	View . . .	<u>1</u>
Address . . .	Preston.Lockwood@msn.com		Open
Append to Message			
Date/Time . .	<u>N</u>		
Job Name . .	<u>N</u>		
F1=Help	F3=Exit	F5=Refresh	F6=Add
F8=Browse	F12=Cancel	F17=Audit Stamp	F7=Review

This screen includes the following header, e-mail address, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

E-mail Address Information

Email Id

Displays the unique name used to identify the e-mail address. This value can be up to 10 characters in length, and is usually the user name associated with the e-mail address.

View

Displays the current status of the e-mail address. Valid views are 1 (Open), 2 (Closed), 3 (Pending).

Address

Displays the internet e-mail address for the associated e-mail ID.

Append to message Date/Time

Displays whether the date and time are attached to the e-mail message sent.

Append to message Job Name

Displays whether the Job Name is attached to the e-mail message so that you can know which job sent the e-mail.

Function Key Information

F1=Help

Provides additional information about using the display or a specific field on the display. For more information about using screen help, see “Online Help” on page 15 .

F3=Exit

Exits the Work with Email Addresses screen and re-displays the PSDetect Action Setup Menu.

F5=Refresh

Re-displays the screen with current results.

F6=Add

Accesses the Work with Email Addresses - Add screen.

F7=Review

Accesses the Work with Email Addresses - Review screen.

F8=Browse

Lets you page through records by entering optional starting data and pressing ENTER.

F12=Cancel

Re-displays the Work with Email Addresses - Review screen.

F17=Audit Stamp

Displays the date, time, computer, user, and program used when the e-mail address was initially added to the system.

Work with Trap Packages

A trap package is a series of decimal number strings which are sent with the alert trap action to the list of specified managers. These number strings represent the source and destination addresses of the trap package, and the specified variable information. A package can contain any of the PSDetect built-in variables, however a variable can exist only once in a package.

The Work with Trap Packages - Review screen lets you sort and position data by trap package, status, description, and trap number. From this screen you can edit and delete existing packages, and create new packages.

The Work with Trap Packages screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 10 (Work with Trap Packages)

```
PST030T1          Work with Trap Packages          17:01:19   7/01/2002
ANYSYSTEM          PentaSafe, Inc.                  Review

Type options, press Enter.
  2=Edit    4=Delete    5=Display

 1
  (1)      (2)      (3)      (4)
  Trap
Opt Package View Description      Trap
  TEST      1      Trap package 1      Number
  12345

F1=Help      F3=Exit      F6=Add      F7=Review      F8=Browse      Bottom
F13=Repeat
```

This screen includes the following header, selection option, trap package, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Work with Trap Packages -Edit screen, which lets you make changes to the selected trap package record. For more information, see “Work with Trap Packages - Edit” on page 238.

4=Delete

Accesses the Work with Trap Packages - Review screen with the selected trap package record displayed. To confirm the deletion and return to the Work with Trap Packages screen, press ENTER. To return to the Work with Trap Packages screen without deleting the displayed trap package record, press F12 (Cancel).

5=Display

Lets you view the details of a selected trap package record. The information displayed on this screen cannot be changed. To make changes to the displayed trap package record, access the Work with Trap Packages- Edit screen for the appropriate trap package.

Trap Package Information

sort column

Enter a column number for the column you want to sort. The column numbers that can be entered are shown under the related columns in parenthesis. Type the number of the column that you want to use to sort records, and press ENTER. The data is displayed in ascending order. Only one of the column numbers shown can be entered in the column field.

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

trap package subset

Using the input field above the **Trap Package** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

Trap Package

Displays the unique 10-character name of the trap package.

view subset

Using the input field above the **View** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

View

Displays the current status of the trap package. Valid views are 1 (Open), 2 (Closed), 3 (Pending). Trap packages must have a status of 1 (Open) to be sent.

description subset

Using the input field above the **Description** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

Description

Displays the purpose of the trap package.

trap number subset

Using the input field above the **Trap Number** column, you can select a subset of the list below. For more information, see “Using Subset Fields” on page 231.

Trap Number

Displays the trap number used for the trap datagram being sent to your SNMP client.

Function Key Information

F1=Help

Provides additional information about using the display or a specific field on the display. For more information about using screen help, see “Online Help” on page 15.

F3=Exit

Exits the Work with Trap Packages - Review screen and re-displays the PSDetect Action Setup Menu.

F6=Add

Accesses the Work with Trap Packages - Add screen. This screen is used to define a new trap package identified by a unique name and trap number.

F7=Review

Accesses the Work with Trap Packages - Review screen.

F8=Browse

Lets you page through records by entering optional starting data and pressing ENTER.

F13=Repeat

Lets you repeat a previously entered action.

Work with Trap Packages - Edit

The Work with Trap Packages - Edit screen is used to change the trap package name, description, variable information and order.

To easily add or change variable information, move the cursor to the **Variable** field and press F4 (Prompt). A pop-up window displays of predefined variables that correlate to the standard message data supported by all other PSDetect actions.

Opt 11 (PSDetect Action Setup Menu)	> 10 (Work with Trap Packages)	> 2 (Change)
-------------------------------------	--------------------------------	--------------

This screen includes the following header, trap package, and function key information:

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Trap Package Information

Trap package

The name must begin with an alphabetic character and can include up to 10 alphanumeric characters and special characters, except for “\$” and “&”. These symbols are explicitly used as reserved keywords in the PSDetect process.

View

Displays the current status of the record. Valid record views are 1 (Open), 2 (Closed), or 3 (Pending). Trap packages must have a status of 1 (Open) to be sent.

Description

The description should identify the purpose of the trap package.

Trap number

The trap number that you want to use for the trap datagram being sent to your SNMP client. The number you select will depend on the trap numbering convention used at your installation. Use the trap number that follows your grouping methodology.

Variable

Displays the associated decimal number string which represents the predefined object identifier of the built-in variable name defined and implemented by PSDetect.

Each instance variable must have a unique order sequence that corresponds to the order in which it is expected to be displayed in the datagram stream. This identifier has been preset by the PSDetect software and should not be modified.

Pressing F4 (Prompt) displays a pop-up window of predefined variables that correlate to the standard message data supported by all other PSDetect actions.

Note

To use Trap Packages, at least one OID instance variable must be defined.

Order

The order defines the order of trap variable occurrence in the trap package.

Function Key Information

F1=Help

Provides additional information about using the display or a specific field on the display. For more information about using screen help, see “Online Help” on page 15 .

F3=Exit

Exits the Work with Trap Packages - Edit screen and re-displays the PSDetect Action Setup Menu.

F4=Prompt

Displays a pop-up window of valid PSDetect built-in variables and their associated description. To select a variable from the list, type **1** (Select) in the appropriate **Opt** field and press ENTER.

F5=Refresh

Re-displays the screen with current results.

F6=Add

Accesses the Work with Trap Packages - Add screen, which is used to define a new trap package identified by a unique name and trap number.

F7=Review

Accesses the Work with Trap Packages - Review screen.

F8=Browse

Lets you page through records by entering optional starting data and pressing ENTER.

F12=Cancel

Re-displays the Work with Trap Packages - Review screen.

F17=Audit Stamp

Displays the date, time, computer, user, and program used when the trap package was initially added to the system.

Work with Network DDM Environment

If a remote iSeries system needs to send alert information to the Host iSeries system, a DDM conversation is opened at that time. Once the operation has completed, the DDM conversation is terminated. The benefits of using this method are as follows:

- A constant DDM conversation is unnecessary, the conversation is only established when there is a requirement to do so.
- If the conversation cannot be established, the monitors on the separate machines continue to operate normally, and alternative actions can be automatically started. For more information, see “Work With Alternative Action” on page 74.

The Work with Network DDM Environment screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 15 (Work with Network DDM Environment)

PSC060R

PSDetect

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Work with Network DDM Environment

Type options, press Enter.

4=Delete

	Remote			Remote	File
Opt	Location	Description	System	Network ID	Pre-fix
_	SYSTEMA	SYSTEMA - Development	SYSTEMA	*LOC	IS
_	SYSTEMB	SYSTEMB - Production System	SYSTEMB	*LOC	SB

F3=Exit F6=Create F12=Cancel F21=Command Line

This screen includes the following header, selection option, network DDM environment, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

4=Delete

Lets you delete a network DDM environment record. The Delete DDM Environment screen is displayed. Press ENTER to confirm the deletion and return to the Work with Network DDM Environment screen. To return to the Work with Network DDM Environment screen without deleting the displayed network DDM environment record, press F12 (Cancel).

Network DDM Environment Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Remote Location

Displays the remote (target) system location name used with the DDM file.

Description

Displays the purpose of the remote location.

System

Displays the system name of the remote location.

Remote Network ID

Displays the identifier (ID) of the remote network in which the remote location resides.

File Pre-fix

Displays the unique file prefix allocated to the DDM files for this remote location.

Function Key Information

F3=Exit

Exits the Work with Pager screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create DDM Environment screen. For more information, see “Creating a DDM Network Environment” on page 244.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Creating a DDM Network Environment

The Create DDM Environment screen is used to add remote iSeries locations and their associated system name and remote network ID. Adding this information lets the remote iSeries system to send alert information to the host iSeries system.

The Create DDM Environment screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 15 (Work with Network DDM Environment) > F6 (Create)

PSC060R

PSDetect

7/05/02

Create DDM Environment

Type choices, press Enter to create DDM files
Press F12 to return to change your choice.

Remote location name . . .

Name

DDM file pre-fix

System name

Name

Remote network identifier .

*LOC

Name, *LOC, *NETATR, *NONE

Description

F12=Cancel

This screen includes the following header, DDM environment, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

DDM Environment Information

Remote location name

Specifies the remote (target) system location name used with the DDM file.

DDM file pre-fix

Specifies the unique file prefix allocated to the DDM files for this remote location. The system will create a list of DDM files in the PSDetect library that begin with this prefix. For each system-defined to PSDetect, this prefix should be unique.

System name

Specifies the system name of the remote location.

Remote network identifier

Specifies the identifier (ID) of the remote network in which the remote location resides. That ID is used to the remote (target) system. Valid values are *LOC, *NETATR, *NONE or remote-network-id.

Description

Describes the remote location in more detail.

Function Key Information

12=Cancel

Re-displays the Work with Network DDM Environment screen.

Work with Network SNADS Environment

To accomplish the task of sending an alert to the host system for action, a network directory has to be set up to identify the host system and the remote network systems.

The Work with Network Directory screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 16 (Work with Network SNADS Environment)

```
PSC040R          PSDetect          7/05/02
                  Work with Network Directory

Type options, press Enter.
4=Delete

Opt  Status  System  User ID  Address  Profile  Msg Queue  Library
--  -
--  REMOTE  SYSTEMB  SYSOPR  SYSTEMB
--  REMOTE  SYSTEMC  SYSOPR  SYSTEMC

F3=Exit  F6=Create  F12=Cancel  F15=Work with Directory  F21=Command Line
```

This screen includes the following header, selection option, SNADS environment, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

4=Delete

Accesses the Delete Local Network Directory Entry screen, which lets you delete a network directory entry record. Press ENTER to confirm the deletion and return to the Work with Network Directory screen. To return to the Work with Network Directory screen without deleting the displayed network directory entry record, press F12 (Cancel).

Note

The local network directory cannot be deleted if target directories exist.

Network Directory Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Status

Displays whether the network directory entry is a host or remote system. For more information, see “Defining Local and Target Systems” on page 249.

System

Displays the system name of the network directory entry.

UserID

Displays the user ID to the network.

Address

Displays the network address. This can be a physical location, the system name, or any other name of your own choice.

Profile

Displays the user profile to the network.

Msg Queue

Displays the message queue where messages will be received from the target system.

Library

Displays the library where the message queue that receives messages from the target system is located.

Function Key Information

F3=Exit

Exits the Work with Network Directory screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Lets you add local and target network directory entries. For more information, see “Add Local Network Directory Entry” on page 250.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Defining Local and Target Systems

The Local system can be the Host system or a Remote (network) System.

In the example shown below, Houston is the Host system and Paris, Rome and New York are the Remote systems.

If the Houston iSeries system were setting up the Network Directory, the first directory entry to be created would be the local system and the local network status would be host. The next directory entries would define the target network directory entries and the target system names would be New York, Paris, and Rome respectively.

If the Paris iSeries system were setting up the network directory, the first directory entry to be created would be the local system and the local network status would be remote. The next directory entry would define the target network directory entry as the London iSeries system and the target system name would specifically define the Houston iSeries system.

Add Local Network Directory Entry

If there are no Directory Entries defined, the first Directory Entry to be created will be assumed to be the Local system. The Local system must exist before other remote systems are defined to the Network.

The Add Local Network Directory screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu)

> 16 (Work with Network SNADS Environment)

> F6 (Create)

PSC040R

PSDetect

7/05/02

Add Local Network Directory Entry

Type choices, press Enter to Create User Profile and Add Directory Entry
Press F12 to return to change your choice.

Local network status . .

HOST

HOST, REMOTE

User ID

ZPSDHST

Name, F15=WRKDIR

Address

ISHTAR

User profile

ZPSDHST

Name

Message queue

ZPSDHST

Name

Library

PSDETECT

Name

F3=Exit

F12=Cancel

F11=REMOTE defaults

F15=Work with Directory

This screen includes the following header, local network directory, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Local Network Directory Information

Local Network Status

Defines whether the system is the Host system or a Remote system. For more information, see “Defining Local and Target Systems” on page 249.

User ID

Identifies the user to the network.

Address

Specifies the network address. This can be a physical location, the system name, or any other name of your own choice.

User Profile

Identifies the user profile to the network.

Alert Queue

Identifies the alert queue where messages will be received from the target system.

Library

Identifies the library where the alert queue that receives messages from the target system is located.

Function Key Information

F3=Exit

Exits the Add Local Network Directory Entry screen and re-displays the PSDetect Action Setup Menu.

F11=REMOTE defaults

Toggles between the **Host** and **Remote** values in the **Local network status** field, which lets you identify the local network as the host or remote system. For more information, see “Defining Local and Target Systems” on page 249.

F12=Cancel

Re-displays the Work with Network Directory screen.

F15=Work with Directory

Accesses the i5/OS Work with Directory Entries screen.

Add Target Network Directory Entry

After configuring the local system, a target system can be created.

The Add Target Network Directory Entry screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu)

> 16 (Work with Network SNADS Environment)

> F6 (Create)

PSC040R

PSDetect

8/23/02

Add Target Network Directory Entry

Local network status . : HOST

Target network status : REMOTE

Type choices, press Enter to Create User Profile and Add Directory Entry

Press F12 to return to change your choice.

User ID ZPSDRMT

Address

Target system name . . .

F3=Exit F12=Cancel F15=Work with Directory

This screen includes the following header, target network directory, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Target Network Directory Information

User ID

Identifies the user to the network.

Address

Specifies the network address. This can be a physical location, the target system name or any other name of your own choice.

Target System Name

Identifies the system name for this network directory entry.

Function Key Information

F3=Exit

Exits the Add Target Network Directory Entry screen and re-displays the PSDetect Action Setup Menu.

F12=Cancel

Re-displays the Work with Network Directory screen.

F15=Work with Directory

Accesses the i5/OS Work with Directory Entries screen.

Work with Escalation Lists

An escalation list is used to define a chain of command in order to resolve issues that need immediate attention. If a message is sent to a user and no action is taken to close the alert in the predetermined time frame, the message can be sent to next person on the list, and so forth.

An escalation list must contain at least two pagers and/or phones which have been defined for your system. For more information about setting up pagers or phones, see “Work with Pagers” on page 215 or “Work with Phones” on page 221.

The Work with Escalation Lists screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 20 (Work with Escalation Lists)

```
PSP040R          PSDetect          7/05/02
                  Work with Escalation Lists

Type options, press Enter.
 2=Edit   3=Copy   4=Delete   5=Display

Opt   List Name   Description
-----

F3=Exit   F6=Create   F12=Cancel   F21=Command Line
```

This screen includes the following header, selection option, escalation list, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Edit an Escalation List screen, which lets you make changes to a selected escalation list record. For more information, see “Work with Escalation Lists” on page 253.

3=Copy

Accesses the Copy an Escalation List pop-up window. This feature lets you copy an escalation list in order to add a new escalation list record. The new escalation list is given a unique name and contains identical escalation hierarchy as the escalation list that was copied.

4=Delete

Accesses the Confirm Delete of Escalation Lists screen, which is used to delete an escalation list. Press ENTER to confirm the deletion and return to the Work with Escalation Lists screen. To return to the Work with Escalation Lists screen without deleting the displayed escalation list, press F12 (Cancel).

5=Display

Lets you view the details of a selected escalation record. The information displayed on this screen cannot be changed. To make changes to the displayed escalation record, access the Edit an Escalation List screen for the appropriate escalation list.

Escalation List Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

List Name

Displays the user-defined name of the escalation list.

Description

Describes the purpose of the escalation list.

Function Key Information

F3=Exit

Exits the Work with Escalation Lists screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Lets you add and define individual escalation lists. For more information, see “Create an Escalation List” on page 259.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Edit an Escalation List

The Edit an Escalation List screen is accessed automatically after you have completed the entries in the Add an Escalation List pop-up window, and pressed ENTER. This screen can also be accessed by typing 2 (Edit) in the **Opt** field to the left of the appropriate escalation list from the Work with Escalation Lists screen.

Any type and mixture of pagers, phones, e-mail IDs, trap packages, or broadcast groups can be included in an escalation list and the values used can be included in the list more than once.

The Edit an Escalation Lists pop-up window is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 20 (Work with Escalation Lists) > 2 (Edit)

PSP040R

PSDetect

7/05/02

Edit an Escalation List

List name . . : PSD001

Description . : Alert notification

Type options, press Enter.

1=Add 4=Delete

Opt	Seq	Name	Type
—	—	—	—
—	010	PSD	EMAIL
—	020	SAM	ALPHA
—	030	GROUP 1	GROUP

F3=Exit F4=List F12=Cancel

Bottom

This screen includes the following header, selection option, escalation list, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

1=Add

Lets you add a pager, phone, e-mail ID, trap package, or broadcast group to the escalation list.

4=Delete

Accesses the Confirm Delete of List Entries screen, which is used to delete an escalation list entry. Press ENTER to confirm the deletion and return to the Edit an Escalation List screen. To return to the Edit an Escalation List screen without deleting the displayed escalation list entry, press F12 (Cancel).

Escalation List Information

List name

Displays the user-defined name of the displayed escalation list.

Description

Displays the purpose of the escalation list.

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Seq

Specifies the order in which the pager, phone, e-mail ID, trap package, or broadcast group is contacted. The order in which values are specified can be changed by retying the sequence number and pressing ENTER.

Name

Displays the user-defined name of the pager, phone, e-mail ID, trap package, or broadcast group. For a list of valid pagers, phones, e-mail IDs, trap packages, or broadcast groups type 1 in the **Opt** field, place the cursor in the **Name** field, and press F4. The Select Escalation List Members pop-up window displays.

Type

Displays whether the value in the **Name** column is an alpha or text pager/phone, an e-mail ID, a trap package, or a broadcast group.

Function Key Information

F3=Exit

Exits the Edit an Escalation List screen and re-displays the PSDetect Action Setup Menu.

F4=List

Accesses the Select Escalation List Members pop-up window, which is used to select the pager, phone, e-mail, trap package, or broadcast group to receive the alert message. To select an entry from the list, type **1 (Select)** in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Escalation Lists screen.

Create an Escalation List

The Create an Escalation List pop-up window lets you define the name and description for a new escalation list.

After completing the fields in this screen, press ENTER. The Edit an Escalation List screen is automatically displayed. For more information, see “Edit an Escalation List” on page 256.

The Create an Escalation Lists pop-up window is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 20 (Work with Escalation Lists) > F6 (Create Lists)

PSP040R PSDetect 9/04/02

Work with Escalation Lists

Type options, press Enter.
2=Edit 3=Copy 4=Delete 5=Display

Opt	List Name	Description

Create an Escalation List

Type choices, press Enter.

List name . . . _____

Description . . . _____

F12=Cancel

F3=Exit F6=Create F12=Cancel F21=Command Line

+

This screen includes the following header, escalation list, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Escalation List Information

List name

Enter the user-defined name of the new escalation list.

Description

Enter the purpose of the escalation list.

Function Key Information

F12=Cancel

Re-displays the Work with Escalation Lists screen.

Work with Broadcast Groups

The Work with Broadcast Groups screen is used to create a broadcast group which sends a message to more than one person simultaneously. A broadcast group will ignore the delay interval set on the action screen of the alert filter and the message will be sent to all of the defined recipients immediately.

A broadcast group must consist of two or more pre-defined pagers, phones, e-mail IDs, or trap packages. These values can be selected from the Select Broadcast Group Members pop-up window.

The Work with Broadcast Groups screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 21 (Work with Broadcast Groups)

```
PSP050R          PSDetect          7/05/02
                  Work with Broadcast Groups

Type options, press Enter.
 2=Edit   3=Copy   4=Delete   5=Display

Opt  Group Name  Description
-   Group 1      Broadcast group no. 1

Bottom

F3=Exit   F6=Create   F12=Cancel   F21=Command Line
```

This screen includes the following header, selection option, broadcast group, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Edit a Broadcast Group screen, which lets you make changes to a selected broadcast group record. For more information, see “Edit a Broadcast Group” on page 264.

3=Copy

Accesses the Copy a Broadcast Group pop-up window. This feature lets you copy a broadcast group in order to add a new broadcast group record. The new broadcast group is given a unique name and contains identical pager, phone, and e-mail IDs as the broadcast group that was copied.

4=Delete

Accesses the Confirm Delete of Broadcast Groups screen, which is used to delete the selected broadcast group. Press ENTER to confirm the deletion and return to the Work with Broadcast Groups screen. To return to the Work with Broadcast Groups screen without deleting the displayed broadcast group, press F12 (Cancel).

5=Display

Lets you view the details of a selected broadcast group record. The information displayed on this screen cannot be changed. To make changes to the displayed broadcast group record, access the Edit a Broadcast Group screen for the appropriate broadcast group.

Broadcast Group Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Group name

Displays the user-defined name of available broadcast groups.

Description

Displays the purpose of the broadcast group.

Function Key Information

F3=Exit

Exits the Work with Broadcast Groups screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Lets you add and define individual broadcast group. For more information, see “Create a Broadcast Group” on page 267.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Edit a Broadcast Group

After you type the name of the group and a short description and press ENTER, the Edit Broadcast Group screen is displayed. This screen can also be accessed by typing 2 (Edit) in the **Opt** field to the left of the appropriate broadcast group from the Work with Broadcast Groups screen.

To add a new pager or phone to the group, type 1 in the **Opt** field and a valid pager or phone name. Press the F4 (List) key to select a pager or phone. Any combination of pagers and phones can be included in a broadcast group.

The Edit a Broadcast Group screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 21 (Work with Broadcast Groups) > 2 (Edit)

PSP050R	PSDetect	7/05/02
Edit a Broadcast Group		
Group name . : TEST		
Description . : Test broadcast group		
Type options, press Enter.		
1=Add 4=Delete		
Opt	Name	Type
—	MIKE	EMAIL
—	SAM	ALPHA
—	BOBPHONE	TONE
F3=Exit F4=List F12=Cancel		Bottom

This screen includes the following header, selection option, broadcast group, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

1=Add

Lets you add a pager, phone, or e-mail to the broadcast group.

4=Delete

Accesses the Confirm Delete of Group Entries screen, which is used to delete the specified broadcast group entry. Press ENTER to confirm the deletion and return to the Edit a Broadcast Group screen. To return to the Edit a Broadcast Group screen without deleting the displayed a broadcast group entry, press F12 (Cancel).

Broadcast Group Information

Group name

Displays the user-defined name of available broadcast groups.

Description

Displays the purpose of the broadcast group.

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Name

Displays the user-defined name of the pager, phone, e-mail ID, or trap package. For a list of valid pagers, phones, e-mail IDs, or trap packages type **1** in the **Opt** field, place the cursor in the **Name** field, and press F4. The Select Broadcast Group Members pop-up window displays.

Type

Displays whether the value in the **Name** column is an alpha or text pager/phone, an e-mail ID, or a trap package.

Function Key Information

F3=Exit

Exits the Edit a Broadcast Group screen and re-displays the PSDetect Action Setup Menu.

F4=List

Accesses the Select Broadcast Group Members pop-up window, which is used to select the pager, phone, e-mail, trap package, or broadcast group to receive the alert message. To select an entry from the list, type **1 (Select)** in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Broadcast Groups screen.

Create a Broadcast Group

The Create a Broadcast Group pop-up window, lets you define the name and description for a new broadcast group.

After completing the fields in this screen, press ENTER. The Edit a Broadcast Group screen is automatically displayed. For more information, see “Edit a Broadcast Group” on page 264.

The Create a Broadcast Group screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 21 (Work with Broadcast Groups) > F6 (Create)

PSP050R PSDetect 9/04/02

Work with Broadcast Groups

Type options, press Enter.
2=Edit 3=Copy 4=Delete 5=Display

Opt	Group Name	Description

Create a Broadcast Group

Type choices, press Enter.

Group name . . . _____

Description . . . _____

F12=Cancel

F3=Exit F6=Create F12=Cancel F21=Command Line
+

This screen includes the following header, broadcast group, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Broadcast Group Information

Group name

Enter the user-defined name of available broadcast groups.

Description

Enter the purpose of the broadcast group.

Function Key Information

F12=Cancel

Re-displays the Work with Broadcast Groups screen.

Work with Schedules

The Work with Schedules screen is used to determine who should be contacted according to the day and time, or calendar date. A schedule entry can send a pager message to a single Pager, Escalation List, or Broadcast Group.

In addition, you can specify that messages received during a particular time-frame (usually late at night or early in the morning) are held until the end of that time frame, when they are all sent at once. This lets you delay routine messages from being sent overnight. However, you can also specify that if a system message is received above a particular severity, you will be paged immediately, regardless of the time. This is designed to give you complete peace of mind and should anything serious happen, you will still be the first to know about it.

The Work with Schedules screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 22 (Work with Paging Schedules)

```
PSP060R          PSDetect          7/05/02
                                Work with Schedules

Type options, press Enter.
 2=Edit   3=Copy   4=Delete   5=Display

Opt   Schedule Name   Description
-----

```

F3=Exit F6=Create F12=Cancel F21=Command Line

This screen includes the following header, selection option, schedule, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Work with Schedule Entries screen, which lets you view the entries for a selected schedule record and determine if changes need to be made. For more information, see “Work with Schedule Entries” on page 272.

3=Copy

Accesses the Copy a Schedule pop-up window. This feature lets you copy a schedule in order to add a new schedule record. The new schedule is given a unique name and description, but contains identical start date, end date, start time, and end time as the schedule that was copied.

4=Delete

Accesses the Confirm Delete of Schedules screen, which is used to delete the selected schedule record. Press ENTER to confirm the deletion and return to the Work with Schedules screen. To return to the Work with Schedules screen without deleting the displayed schedule record, press F12 (Cancel).

5=Display

Lets you view the details of a selected schedule record. The information displayed on this screen cannot be changed. To make changes to the displayed schedule record, access the Edit a Schedule screen for the appropriate record.

Schedule Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Schedule name

Displays the user-defined name of available schedules.

Description

Displays the purpose of the associated schedule.

Function Key Information

F3=Exit

Exits the Work with Schedules screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Lets you add and define individual schedules. For more information, see “Work with Schedule Entries” on page 272.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Work with Schedule Entries

The Work with Schedule Entries screen lets you maintain the days and times a pager, trap package, e-mail, escalation list, or broadcast group is sent alert messages for the specified schedule.

The Change a Schedule screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 22 (Work with Paging Schedules) > 2 (Change)

```
PSP060R                PSDetect                8/20/02
                        Work with Schedule Entries

Schedule name:  PAGSCH2
Description    .  second schedule

Type options, press Enter.
  2=Change    4=Delete

      Start Date  End Date  Start  End          Contiguous  Page at
Opt   or Day     or Day   Time   Time   Name       Type    Date/Time  End Time
____  09/01/02   09/30/02  0:01  23:59  JAMES      Pager    NO         NO

F3=Exit  F6=Create  F12=Cancel  F15=Test Schedule

Bottom
```

This screen includes the following header, selection option, schedule, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Change

Accesses the Change a Schedule Entry screen, which lets you make changes to a selected schedule record. For more information, see “Change a Schedule Entry” on page 276.

4=Delete

Accesses the Confirm Delete of Schedule Entries screen, which is used to delete the specified entries for a selected schedule. Press ENTER to confirm the deletion and return to the Work with Schedule Entries screen. To return to the Work with Schedule Entries screen without deleting the displayed schedule entries, press F12 (Cancel).

Schedule Entry Information

Schedule name

Displays the user-defined name of the schedule.

Description

Displays the purpose of the schedule.

Start Date or Day

Displays the date or day of the week that the schedule begins.

End Date or Day

Displays the date or day of the week that the schedule ends.

Start Time

Displays the time that the schedule begins in the *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

End Time

Displays the time that the schedule ends in the *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

Name

Displays which Pager, Phone, Escalation List or Broadcast Group receives the message.

Contiguous Date/Time Range

Displays whether the date and time range previously specified is a contiguous time frame or daily time frame.

For example, if a schedule was set up with a starting date/time of FRI at 17:00 and an ending date/time of MON at 08:00, the schedule would be valid from 5:00 PM Friday through 8:00 AM Monday.

If the **Contiguous Date/Time Range** field has a value of **N** (No), the specified person would only receive pages from 5:00 PM Saturday until 8:00 AM Sunday, and from 5:00 PM Sunday until 8:00 AM Monday.

Page At End Time

Displays whether you want to delay paging messages until the specified end time.

Function Key Information

F3=Exit

Exits the Work with Schedule Entries screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create a Schedule Entry screen, which lets you define additional entries for a specified schedule name. The fields in this screen are same as the fields in the Change a Schedule Entry screen. For more information, see “Change a Schedule Entry” on page 276.

F12=Cancel

Re-displays the Work with Schedules screen.

F15=Test Schedule

Accesses the Test Schedule pop-up window, which lets you enter a test date or day of the week and test time to determine if the defined schedule entries contain this time frame. If the value is included in a schedule entry, the entry is highlighted and the following messages displays at the bottom of the screen:

Schedule entry shown in reverse image will be used on *DDDDDD* at *HH:MM*

where *DDDDDD* is the date or day of the week entered in the **Test date or day** field, and *HH:MM* is the 24-hour time entered in the **Test time** field.

If the value is not included in a defined schedule entry, the following message displays at the bottom of the screen:

No schedule entries found for *DDDDDD* at *HH:MM*

Change a Schedule Entry

The Change a Schedule Entry screen is used to change the days and times a pager, trap package, e-mail, escalation list, or broadcast group is sent alert messages for the specified schedule entry.

The Change a Schedule screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 22 (Work with Paging Schedules) > 2 (Change) > 2 (Change)

PSP060R	PSDetect	7/05/02
Change a Schedule Entry		
Schedule name . . : JULY		
Description . . . : Current schedule		
Type choices, press Enter.		
Start date or day	<u>070102</u>	Date, MON, TUE, WED, THU, FRI, ...
End date or day	<u>073102</u>	Date, MON, TUE, WED, THU, FRI, ...
Start time	<u>0001</u>	HHMM (24 hour)
End time	<u>2359</u>	HHMM (24 hour)
Contiguous date/time range .	<u>N</u>	Y=Yes, N=No
Pager/trap/email/list/group	<u>Group 1</u>	Name, F4=List
Delay message until End Time	<u>N</u>	Y=Yes, N=No
F3=Exit F4=List F10=Example Date/Time Range F12=Cancel		

This screen includes the following header, schedule, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Schedule Entry Information

Start Date or Day

Enter the date or day of the week that the schedule begins.

End Date or Day

Enter the date or day of the week that the schedule ends.

Start Time

Enter the time that the schedule begins in the *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

End Time

Enter the time that the schedule ends in the *HH:MM* format, where *HH* is the hour in 24-hour time, and *MM* is the minute.

Pager/Phone/List/Group

Enter which Pager, Phone, Escalation List or Broadcast Group the message will be sent to.

Contiguous Date/Time Range

Specify whether the date and time range previously specified is to be treated as a contiguous time frame or daily time frame.

For example, if a schedule was set up with a starting date/time of FRI at 17:00 and an ending date/time of MON at 08:00, the schedule would be valid from 5:00 PM Friday through 8:00 AM Monday.

If the **Contiguous Date/Time Range** field has a value of **N** (No), the specified person would only receive pages from 5:00 PM Saturday until 8:00 AM Sunday, and from 5:00 PM Sunday until 8:00 AM Monday.

Delay Paging Until End Time

Specify whether you want to delay paging messages until the end time.

Function Key Information

F3=Exit

Exits the Change a Schedule Entry screen and re-displays the PSDetect Action Setup Menu.

F4=List

Accesses the Select Schedule Delivery Type pop-up window, which is used to select the pager, phone, e-mail ID, escalation list, or broadcast group to receive the alert message. To select an entry from the list, type **1 (Select)** in the appropriate **Opt** field and press ENTER.

F10=Example Date/Time Range

Accesses the Example Date/Time Range screen, which provides a detailed schedule example based on a start day and time, end day and time, and a delayed page time. To view an example of a contiguous schedule example, press F11 (Display Contiguous Example).

F12=Cancel

Re-displays the Work with Schedule Entries screen.

Create a Schedule

The Create a Schedule pop-up window lets you define the name and description for a new schedule.

After completing the fields in this screen, press ENTER. The Create a Schedule Entry screen is automatically displayed. The fields in this screen are the same as the Change a Schedule Entry screen. For more information, see “Work with Schedule Entries” on page 272.

The Create a Schedule pop-up window is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 22 (Work with Paging Schedules) > F6 (Create)

PSP060R PSDetect 9/04/02

Work with Schedules

Type options, press Enter.
2=Edit 3=Copy 4=Delete 5=Display

Opt Schedule Name

Create a Schedule

Type choices, press Enter.

Schedule name

Description

F12=Cancel

F3=Exit F6=Create F12=Cancel F21=Command Line
No records found on file, press F6=Create

This screen includes the following header, schedule, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Schedule Entry Information

Schedule name

Enter the user-defined name of the schedule.

Description

Enter the purpose of the schedule.

Function Key Information

F12=Cancel

Re-displays the Work with Schedules screen.

Work with Rotas

A rota, or rotation, can determine who is on-call based on a duty schedule. A rota can consist of up to ten separate pagers, phones, e-mail IDs, escalation lists, broadcast groups, schedules, or trap packages.

Once the pattern of the rota has been established, the initial start date defined and the number of days that a person/list/group/schedule remains on duty defined, then PSDetect replicates that rota pattern.

The Work with Rotas screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 23 (Work with Rotas)

```
PSP065R                PSDetect                7/05/02
                                Work with Rotas

Type options, press Enter.
 2=Edit   3=Copy   4=Delete   5=Project

Opt   Rota Name   Description
-     ON CALL     Night shift

F3=Exit   F6=Create   F12=Cancel   F21=Command Line
```

This screen includes the following header, selection option, rota, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Selection Option Information

2=Edit

Accesses the Change a Rota screen, which lets you view the entries for a selected rota record. For more information, see “Change a Rota” on page 284.

3=Copy

Accesses the Copy a Rota pop-up window. This feature lets you copy a rota in order to add a new rota record. The new rota is given a unique name and description, but contains identical start date and rotation schedule as the rota that was copied.

4=Delete

Accesses the Confirm Delete of Rotas screen, which is used to delete the selected rota record. Press ENTER to confirm the deletion and return to the Work with Rotas screen. To return to the Work with Rotas screen without deleting the displayed rota record, press F12 (Cancel).

5=Project

Lets you view the rotation schedule of a selected rota record. For more information, see “Rota Projected” on page 287.

Rota Information

Opt

To perform a selection option, type the number of the option in this field and press ENTER.

Rota name

Displays the user-defined name of available rotas.

Description

Displays the purpose of the associated rota.

Function Key Information

F3=Exit

Exits the Work with Rotas screen and re-displays the PSDetect Action Setup Menu.

F6=Create

Accesses the Create a Rota screen, which lets you add and define individual rotas. This screen contains the same fields and function keys as the Change a Rota screen. For more information, see “Change a Rota” on page 284.

F12=Cancel

Re-displays the PSDetect Action Setup Menu.

F21=Command Line

Displays the command line, which can be used to perform additional i5/OS functions.

Change a Rota

The Change a Rota screen is used to change the rota description, the initial start date, the number of days each value is sent alert messages, and the specific pagers, phones, e-mail IDs, escalation lists, broadcast groups, schedules, or trap packages that are used in the rotation.

The order that values are listed in the **Pager/email/list/group/schedule or Trap package** field is the order that each value is used in the rotation.

The Change a Rota screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 23 (Work with Rotas) > 2 (Edit)

PSP065R

PSDetect

8/22/02

Change a Rota

Rota name :

ON CALL

Description . . . :

Night shift

Type choices, press Enter.

New start date

220802

Date

Number of days before change .

7

1 - 99

Pager/email/list/group/schedule

WAYNE

or Trap packages

GRANT

JAMES

F3=Exit

F4=List

F12=Cancel

This screen includes the following header, rota, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Rota Information

Rota Name

Displays the user-defined name of the rota.

Rota Description

Displays the purpose of the rota.

New start date

Specifies the date when the rota initially starts.

Note

The start date cannot be in the future. The values in the **Start Date** or **Number of days before change** fields cannot be in the past.

Number of days before change

Specifies the number of consecutive days each value in the **Pager/email/list/group/schedule or Trap packages** field receives alert messages.

Pager/email/list/group/schedule or Trap packages

Enter at least two values in the order that they are to be on duty for each rotation period. These can either be defined as individual pagers, phones, e-mail IDs, escalation lists, broadcast groups, schedules, or trap packages. To view a list of valid values, press F4 (List). The Select Rota Delivery Type pop-up window displays.

Note

It is recommended to use paging schedules inside rotas. This allows changes in the rotation schedule to be made easily when an employee is sick, or on vacation without having to recalculate the rota.

Function Key Information

F3=Exit

Exits the Change a Rota screen and re-displays the PSDetect Action Setup Menu.

F4=List

Accesses the Select Rota Delivery Type pop-up window, which is used to select the pager, phone, e-mail ID, escalation list, broadcast group, schedule, or trap package to receive the alert message. To select an entry from the list, type 1 (Select) in the appropriate **Opt** field and press ENTER.

F12=Cancel

Re-displays the Work with Rotas screen.

Rota Projected

The Rota Projected screen is used to display the scheduled rotation based on the values typed in the Create a Rota screen or the Change a Rota screen. To make changes to the displayed rota, access the Change a Rota screen for the specified rota.

The Rota Projected screen is displayed by executing the following option string starting at the PSDetect Main Menu:

Opt 11 (PSDetect Action Setup Menu) > 23 (Work with Rotas) > 5 (Project)

PSP065R	PSDetect	Rota Projected				8/22/02
Rota name . : ON CALL						
Description : Night shift						
Days in rota : 7						
Name	Type	Start Date	End Date	Start Day	End day	
WAYNE	Phone	22/08/02	28/08/02	THURSDAY	WEDNESDAY	
GRANT	EMAIL	29/08/02	04/09/02	THURSDAY	WEDNESDAY	
JAMES	Pager	05/09/02	11/09/02	THURSDAY	WEDNESDAY	
WAYNE	Phone	12/09/02	18/09/02	THURSDAY	WEDNESDAY	
GRANT	EMAIL	19/09/02	25/09/02	THURSDAY	WEDNESDAY	
JAMES	Pager	26/09/02	02/10/02	THURSDAY	WEDNESDAY	
WAYNE	Phone	03/10/02	09/10/02	THURSDAY	WEDNESDAY	
GRANT	EMAIL	10/10/02	16/10/02	THURSDAY	WEDNESDAY	
JAMES	Pager	17/10/02	23/10/02	THURSDAY	WEDNESDAY	
WAYNE	Phone	24/10/02	30/10/02	THURSDAY	WEDNESDAY	
GRANT	EMAIL	31/10/02	06/11/02	THURSDAY	WEDNESDAY	
JAMES	Pager	07/11/02	13/11/02	THURSDAY	WEDNESDAY	
WAYNE	Phone	14/11/02	20/11/02	THURSDAY	WEDNESDAY	
F3=Exit F12=Cancel						More...

This screen includes the following header, rota, and function key information:

Header Information

For more information about the header information on this screen, see “Work with Alert Log” on page 22.

Rota Information

Rota name
Displays the user-defined name of the rotas.

Description
Displays the purpose of the rota.

Days in Rota

Displays the number of consecutive days that the pager, phone, e-mail ID, escalation list, broadcast group, schedule, or trap package receives alert messages.

Name

Displays the user-defined name of the pager, phone, e-mail ID, escalation list, broadcast group, schedule, or trap package.

Type

Displays whether the value in the **Name** column is a pager, phone, e-mail ID, escalation list, broadcast group, schedule, or trap package.

Start Date

Displays the date that the rotation begins for the specified value in the associated **Name** column.

End Date

Displays the date that the rotation ends for the specified value in the associated **Name** column.

Start Day

Displays the day of the week that the rotation begins for the specified value in the associated **Name** column.

End Day

Displays the day of the week that the rotation ends for the specified value in the associated **Name** column.

Function Key Information

F3=Exit

Exits the Rota Projected screen and re-displays the PSDetect Action Setup Menu.

F12=Cancel

Re-displays the Work with Rotas screen.

Chapter 6

Usage Scenarios

This chapter provides representative usage scenarios that either describe how tasks are performed, or explain how to use PSDetect.

Accessing PSDetect

The functions provided in PSDetect are accessed through a series of screens and screen elements, such as menu options and function keys, included in the system interface.

To access PSDetect:

1. On an iSeries command line, type **PSMENU** and press ENTER.

Note

The **PSMENU*** objects are installed in library **QGGL**. To access the products, **QGGL** must be in your library list. If **QGGL** is not in your library list, qualify the **QGGL** library when issuing the **PSMENU** command, or use the **ADDLIBL** command to add **QGGL** to your library list.

```
PSMENUUD                                NetIQ Product Access Menu                                ANYSERVER
ANYUSER 10/16/01  09:16:04
Select one of the following:

    1. PSAudit                                (V8.1.0000)
    2. PSSecure                               (V8.1.0000)
    3. PSDetect                               (V8.1.0000)
    4. PSPwdMgr                               (V8.1.0000)
    5. PSPrvMgr                               (V8.1.0000)

    11. PSApplication Modules
    70. Utilities menu
    80. Enter access codes
    90. Signoff

Selection
===>  _

F3=Exit  F4=Prompt  F10=Command entry  F12=Cancel
F13=Information Assistant  F16=AS/400 main menu
```

2. On the NetIQ Product Access Menu selection line, type 3 (PSDetect) and press ENTER.

From the PSDetect Main Menu you can access the major product options by entering the appropriate option on the selection line.

```
PD0                               NetIQ Corporation          USER1      Date: 10/07/03
                                PSDetect Main Menu          QPADEV0011 Time: 12:04:52

Select one of the following:

  1  Work With Alert Log
  2  Work With Console Log
  3  Work With Alert Filters
  4  Work With Monitors

10  General System Menu
11  PSDetect Action Setup Menu

20  PSDetect QuickStart Wizard

Enter Option or Function/Type ==> _____

F1=Help      F3=Exit      F6=Messages  F9=Window    F10=Cmd Line
F12=Previous F13=Attention F14=Batch Jobs F18=Reports
```

How the Monitor Searches for Messages

When the Alert Monitor reads a new message from a monitored alert queue, the message is compared to the alert filter defined for the specified monitor. Messages that meet the defined set of criteria are then sent to the corresponding monitor.

Alert Queues are searched in the following order:

1. Individual Message IDs specified in the Selection Criteria (such as CPF1241).
2. Generic Message IDs specified in the Selection Criteria (such as, CPF12*).

Note

If there are Omit Criteria in the Filter Sequence number, all of these are taken into account before the message is either accepted or rejected, such as PF12*, Omit CPF1242.

Note

If Message ID CPF1242 is received, it would not get picked up by this sequence number for action processing.

3. Message IDs with *ALL defined.

If the message received does not match any of the above search criteria, the Alert Filters that have Message IDs defined as *ALL will be searched (for example, Message type=ESC, Message ID=*ALL)

Any escape type messages not picked up in the previous searches would be picked up under this type of search.

4. If a match is found under one of the above searches, a secondary search is performed to see if there is any matching Compare Data, or whether the Alert Filter matches the current day, time, or other criteria.

The message received has to match the exact specification before being passed to the Action Monitor for action processing.

How the Monitor Searches Schedule Entries

The current date and time is compared to the Paging Entries to find a matching entry. The sequence outlined below is the sequence that the Paging Monitor uses to search for a valid Paging Entry.

The Paging Monitor looks for:

1. Specific dates, in date order
2. Date range, in date range order
3. Specific day, in day order (MON, TUES, WEDS, etc.)
4. Day range, in day range order (MON to THU, FRI to TUE, etc.)

Setting Up the SNMP Trap Monitor

If an alert requires a trap to be sent, the Action Monitor forwards the trap package to the Trap Monitor, which then sends the trap package to the specified trap manager. Before a trap package can be sent to the specified trap manager, the Simple Network Management Protocol (SNMP) must be configured.

To set up the PSDetect SNMP Trap Monitor:

1. On the Work with Monitors screen, display your enterprise object identifier for Pentasafe, type **20** (System Defaults) beside **Trap Action Monitor** and press ENTER.

PSM080R PSDetect 10/16/01

Work with Monitors

Type options, press Enter.

6=Release 7=Hold 8=Start 9=End 13=History 20=System Defaults 25=Activity

Opt	Description	Status
—	Alert Monitor	Active
—	Action Monitor	Active
—	Paging Monitor	Active
—	Email Monitor	Active
—	Network Action Monitor	Active
—	Trap Action Monitor	Active

F3=Exit F12=Cancel F5=Refresh F10=Verify Status F15=WRKSBSJOB

2. On the Work with Trap System Defaults screen, perform the following steps:

- a. In the **Enterprise OID** field, verify that the OID value displayed is “1.3.6.1.4.1.5301”.
- b. In the **Translate messages** field, set the host translation policy for instance variable values. The possible values are:

*YES

Translates messages in ASCII. If your SNMP client software resides on a PC, you should select this value.

*NO

Translates messages in native EBCDIC.

- c. In the **Test message OID** field, ensure that **1.0** is specified. This value is the instance variable OID for the test message.
 - d. In the **Test message (STRING OCTET)** field, type the message text that you want to use.
 - e. In the **Trap number generated** field, ensure that **1** is displayed. This value is the trap number to be assigned to your test message.
 - f. Press ENTER.
3. If you need to configure SNMP, press F10 (Cfg SNMP) to display the Configure TCP/IP SNMP screen.
4. Type 1 and press ENTER.
5. On the Change SNMP Attributes (CHGSNMPA) screen, perform the following steps:
- a. In the **System contact** field, specify the party to be contacted (e-mail address, administrator name, and so on). You can use any value that you want.
 - b. In the **System location** field, specify the location of the of the host system. You can use any value that you want.
 - c. In the **Send authentication traps** field, specify whether the SNMP agent may send any authentication Failure traps to any defined SNMP managers. A request is received from an SNMP manager that contains a community name that is not recognized by the SNMP agent. An authentication Failure trap is sent by the SNMP agent. The possible values are:
 - *SAME
The value does not change.
 - *YES
Authentication Failure traps can be sent.
 - *NO
Authentication Failure traps are not sent.

- d. In the **Automatic Start** field, specify whether the SNMP agent is started when the STRTCP command or STRTCPSVR SERVER(*AUTOSTART) command runs. The possible values are:

*SAME

The value does not change.

*YES

The SNMP agent is started when the STRTCP command or STRTCPSVR SERVER(*AUTOSTART) command runs.

*NO

The SNMP agent is not started when the STRTCP command runs.

- e. In the **Object access** field, specify the default object access for SNMP communities. The possible values are:

*SAME

The value does not change.

*READ

Lets SNMP managers that are part of a community read all management information base (MIB) objects. Modification of MIB objects by SNMP managers is not permitted.

*WRITE

Lets SNMP managers that are part of a community modify all MIB objects that can be modified. Specifying *WRITE implies *READ access.

*NONE

SNMP managers that are part of a community are not allowed to modify all MIB objects.

f. In the **Log set requests** field, specify the default value for whether set requests from SNMP managers in a community are logged in journal QSNMP in library QUSRSYS. The possible values are:

*SAME

The value does not change.

*YES

Set requests are logged.

*NO

Set requests are not logged.

g. In the **Log get requests** field, specify the default value for whether get requests and get-next requests from SNMP managers in a community are logged in journal QSNMP in library QUSRSYS. The possible values are:

*SAME

The value does not change.

*YES

Get requests and get-next requests are logged.

*NO

Get requests and get-next requests are not logged.

- h. In the **Log traps** field, specify whether traps are logged in journal QSNMP in library QUSRSYS. The possible values are:

*SAME

The value does not change.

*YES

Traps are logged.

*NO

Traps are not logged.

- i. In the **Manager Internet address** field, specify which SNMP managers receive traps generated by this iSeries system. The possible values are:

*SAME

The value does not change.

*NONE

No SNMP managers receive traps.

manager-internet-address

Specify the internet address of the SNMP manager. The address must be of the form *nnn.nnn.nnn.nnn*, where *nnn* is a decimal number ranging from 0 to 255. This address is independent of the manager Internet address specified on the ADDCOMSNMP and CHGCOMSNMP commands.

- j. In the **Community name** field, specify whether traps are logged in journal QSNMP in library QUSRSYS. The possible values are:

*SAME

The value does not change.

*NONE

No SNMP managers receive traps.

community-name

Specify the SNMP community name to be placed in the traps sent to this SNMP manager. The community name specified in this element is independent of the community name specified on the ADDCOMSNMP.

- k. In the **Translate community name** field, specify whether traps are logged in journal QSNMP in library QUSRSYS. The possible values are:

*YES

The community name is translated to ASCII characters when a trap is sent to the SNMP manager. This value should be specified when the community name consists entirely of characters that can be displayed. An error message is sent if the community name cannot be translated to ASCII characters.

*NO

The community name is not translated to ASCII characters when a trap is sent to the SNMP manager. This value should be specified when the community name contains one or more characters that cannot be displayed.

- l. Press ENTER.

6. Establish SNMP managers with static IP addresses.

Ensure that your client SNMP managers have statically assigned IP addresses. If they are not, the PSDetect traps might be sent to a client other than intended. Work with your networking personnel to select an IP address that is not in the range of DHCP assigned addresses and assign this static address to your SNMP client monitoring computer. For the operating system that your SNMP client manager is using to set your static IP address, see the appropriate documentation regarding TCP/IP configuration.

7. Make community names readable.

Ensure that the Translate community name parameter is set to a value that can be read by the client that receives it. New communities can be set up by specifying Option 2 (Work with Communities for SNMP) on the Configure TCP/IP SNMP screen. Selecting this option displays the Work with Communities for SNMP screen. This is similar to setting the host translation policy for the PSDetect trap monitor, except this is at the IBM host level.

To set up a new community, type 1 and press ENTER to display the Add Community for SNMP screen.

Add Community for SNMP (ADDCOMSMP)

Type choices, press Enter.

Community name > 'mycompany'

Translate community name > *YES

*YES, *NO

Manager internet address *ANY

*ANY

+ for more values

Object access *SNMPATR

*SAME, *SNMPATR, *READ...

Log set requests *SNMPATR

*SAME, *SNMPATR, *YES, *NO

Log get requests *SNMPATR

*SAME, *SNMPATR, *YES, *NO

F3=Exit

F4=Prompt

F5=Refresh

F12=Cancel

F13=How to use this display

F24=More keys

8. Verify Proper SNMP Setup and Configuration.

After you complete Step 1 through Step 7, you are ready to test your SNMP trap configuration. You can send a test trap to your assigned client SNMP manager by pressing F19 (Test Trap) on the Work with Trap System Defaults screen. If you need to start SNMP servers before the test, press F15 (Start SNMP). Additionally, if you are sending the trap to SNMP client management software on the same machine and you need to start the Trap manager, press F17 (Start Trap Mgr).

The SNMP trap that was sent to test the configuration can be viewed from any SNMP trap monitoring software. If the test was successful, you are now ready to begin using the SNMP Trap Monitor.

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