



SETUP EXAMPLE

Version 1.0 (or higher)

Example No.: EX0026

Product No.: PAG400

DDL Systems is pleased to provide this setup example for the ACO PAGER™ Message Alert System. This document describes detailed instructions on how to set up various product features to meet a specific business requirement. The examples are not all inclusive but are designed to aid your understanding of how specific product features can help you effectively manage your system.

If you have questions concerning this example, please contact our *SupportLine* by sending an e-mail to support@ddlsystems.com.

SETUP EXAMPLE

Message Monitor Search Hierarchy

Message Monitor Search Hierarchy

The ACO PAGER™ Message Alert System uses a message action file to determine the appropriate action to be performed by the Message Monitor for messages sent to a monitored message queue. *Job Sender Information* is used to define multiple action records (with a specific sequence number) for a single message id and instructs the Message Monitor to perform different actions based on the specific or generic message id received. The job sender parameters that can be specified by message id include job name, job user, job number, job program, job statement, job date, severity, and message compare string. A maximum of nine-hundred and ninety-nine (999) action records can be defined for a specific or generic message id.

When multiple action records are defined for a single message id or generic id, you should create these records starting with the *most specific to the least specific* job sender information. Enter your most specific entry (for a message id) beginning with sequence ten (10) and increment this sequence number by fifty (50) on your next (less specific) entry to provide room for future entries.

When a message is sent to a monitored message queue, the message id and job sender information received by the Message Monitor are matched against the message action file in ascending sequence number order. The search ends when a match occurs or the last action record for the specific or generic message id is passed. *Once a match is found, the Message Monitor executes the user-defined instructions specified in that message action record.* The nature of the action file allows you to set up different responses to be performed based upon the job information received.

The following steps identify the search hierarchy performed by the Message Monitor against the message action file for any message sent to a monitored message queue:



Message Monitor Search Hierarchy

1. All message action records are read (in sequence) for the *specific* message id (e.g. CPA2104) and *specific or generic* job sender information received until a match is found.
 2. If a match is not found, all action records are read (in sequence) that match the *generic* message id (e.g. CPA2100, CPA2000, or CP00000) and the
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specific or generic job sender information received until a match is found.


3. If a match is still not found, all action records are read (in sequence) that match the **ANY* message id and the *specific or generic* job sender information received until a match is found.


If a match is found, the Message Monitor executes the user-defined instructions specified in the message action record.

- or -

If a match is not found, the Message Monitor forwards the message to the system operator message queue (specified in Work with Execution Options).

This section presents a few examples on how to set up the message action file to meet a specific business requirement. These examples build on one another, are not all inclusive, and are designed to aid your understanding of how the Message Monitor determines the appropriate message action record to use.

-  The software is shipped with a sample message action set for the QSYSOPR message queue in library QSYS. You can change this sample file to tailor the system to meet your specific requirements. Once you are satisfied with the set up of the QSYSOPR message action set, copy it to any other message queue you plan to monitor by pressing <F18> on the Work with Message Actions list panel. Build this file over time and enter additional id's as your requirements change.
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-  For more information on how to create message action records, refer to the *Work with Message Actions* section in the *Basic Operations* chapter in this manual.
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Message Monitor Search Hierarchy

Example 1

Objective: To monitor QSYSOPR and perform the following user-defined actions:

- o Send a broadcast message to the system operators (OPERATORS group id) for generic communication line and controller errors.

Solution: Set up generic action records for CPA5700, CPA5800, and CPA5900.



1. Enter option 1 along with the library, message queue, message id, and sequence number in the entry fields on the top of list panel 1 (as shown above). When you have completed your entries on panel 1, press **<Enter>**. You will be shown the Work with Message Actions panel 2.

Work with Message Actions List Panel 1

```
ACD0101C                Work with Message Actions                ACO                02/05/04
                                                                21:57:11

Type information, press Enter.
 1=Create  2=Change  3=Copy  4=Delete  5=Display  6=Release
 7=Hold    8=Position 10=Description 12=Send test message

Opt Library      Msg Queue      Id           Seq A Job Name   User Name   Status
 1  QSYS          + QSYSOPR      + CPA5700    50
    No records

F1=Help  F3=Exit  F4=Prompt  F5=Refresh  F14=Resequenece  F15=Restore
F16=Fold F17=Override  F18=Copy set  F19=Delete set  F24=More keys
```

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Work with Message Actions Panel 2

```
ACD0100A          Work with Message Actions          ACO          02/05/04
Change                                                    21:58:01
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5700
Library . . . . .      : QSYS          Sequence number . . : 50

Runs on day (Mon-Sun) . . : Y Y Y Y Y Y Y          Y,N,blank
Run time (hh:mm). . . . . :  1 to 2400
Event description . . . . : Added by Dave on 02/05/04 at 21:58 p.m.
Message text. . . . . :

Status. . . . .      : *ON          *ON,*OFF

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F21=System command
```

2. Accept the default values for the *day-of-week*, *start/stop time*, and *status* parameters. Optionally, you may enter an event description for this message action record. This field is for your information only and could include the user name and a date/time stamp to mark when this record was added to the file. When you have completed your entries on panel 2, review them carefully and press **<Enter>**. A third panel will appear like the one shown on the next page.

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- __3. On panel three (3) (below) leave all fields set to their default values. Each message action record should be created with the same action information (as shown in panels 2 through 5) for message id's CPA5700, CPA5800, and CPA5900. When you have completed your entries, press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 3

```
ACD01002          Work with Message Actions          ACO          02/05/04
Create                                                    21:58:42
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5700
  Library . . . . . : QSYS          Sequence number . . : 50

Message Sender Filters:
Job name. . . . . : *ANY          Name, generic*, *ANY
Job user name . . . . . : *ANY          Name, generic*, *ANY
Job number. . . . . : *ANY          0-999999, *ANY
Job program name. . . . . : *ANY          Name, generic*, *ANY
Job statement . . . . . : *ANY          Name, *ANY
Job date. . . . . : *ANY          Date, *ANY
Job time/duration . . . : *ANY          hms/1-1440 (min)
Severity level. . . . . :          0-99
Compare string text . . : *ANY          Name
Compare start position. :          1-240
Threshold options:
  Duration in minutes. . :          1-720
  Number of times sent . :          1-99999
  Action sequence to run :          1-999

F1=Help  F3=Exit  F4=Prompt  F12=Cancel  F21=System command
```

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- __4. On panel four (4) (below) set the message action code to **5**. Press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 4

ACD01005	Work with Message Actions	ACO	02/05/04
Change			21:58:52
Type information, press Enter.			
Message queue	: QSYSOPR	Message id.	: CPA5700
Library	: QSYS	Sequence number . . .	: 50
Dependent Id Options. . . :			
Dependent message id . .	: _____		
Dependent sequence no. .	: _____		
Duration in minutes. . .	: _____		
Action sequence to run .	: _____		
Cancel delayed message .	: -		
Message Response Actions :			
Message action.	: <u>5</u> + Forward message	F4 for list	
Forward to *MSGQ.	: <u>ACO</u>	Name	
Library	: <u>QUSRSYS</u>	Name	
Automatic reply value . .	: _____		
Reply acknowledgment. . .	: -	blank,Y	
Minutes to delay reply. .	: _____	1-720	
Copy to message server. .	: -	1-3	
F1=Help F3=Exit F4=Prompt F12=Cancel F21=System command			

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- __5. On panel five (5) (below) set the type of user field to ***GROUP**, the pager/group id to **OPERATORS**, and the broadcast to *GROUP field to **Y**. Then, press **<Enter>** to return to the Work with Message Actions list panel.

Work with Message Actions Panel 5

```
ACD01005          Work with Message Actions          ACO          02/05/04
Change                                                    21:59:02
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5700
Library . . . . .      : QSYS              Sequence number . . : 50

Notification options:
Type of user . . . . . : *GROUP              *USER,*GROUP
Pager or group id. . . : OPERATORS +        F4 for list
Broadcast to *GROUP. . : Y                  blank,Y
Minutes to delay . . . : _____         1-720
Alternate id/code. . . : _____         Name
Send 1st, 2nd level. . : _____         1-3
Allow escalation . . . : _____         blank,N
Command/script to run . : _____

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-----
-----

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F17=Override   F21=System command
```

- __6. Repeat steps 1-5 for the remaining message id's (CPA5800 and CPA5900).
- __7. When you have completed your entries, reposition the message action records by pressing **<F5>** on the Work with Message Actions List panel.

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Message Monitor Search Hierarchy

Work with Message Actions List Panel 1

ACD0101C	Work with Message Actions	ACO	02/05/04 21:57:11
Type information, press Enter.			
1=Create 2=Change 3=Copy 4=Delete 5=Display 6=Release 7=Hold 8=Position 10=Description 12=Send test message			
Opt Library	Msg Queue	Id	Seq A Job Name User Name Status
— QSYS	+ QSYSOPR	+ CPA5700	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5800	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5900	50 5 *ANY *ANY *ON
F1=Help F3=Exit F4=Prompt F5=Refresh F14=Resequenece F15=Restore F16=Fold F17=Override F18=Copy set F19=Delete set F24=More keys			

As a result of having these three (3) entries in the message action file, if CPA5701 through CPA5999 is sent to QSYSOPR, the Message Monitor selects one of the generic (CPA5700, CPA5800, or CPA5900) message action records (since no match occurs on the specific message id), forwards the message to the ACO message queue and sends a broadcast message to all members of the system operator group call list. Please continue with example two (2).

Example 2

Objective: To monitor QSYSOPR and perform the following user-defined actions:

- o As in the first example, send a broadcast message to the system operators (OPERATORS group id) for all CPA5701 through CPA5999 messages (except CPA5760).
- o Omit paging for message id CPA5760.
- o Page the NEXTEL2WAY pager for CPA5917 if the message is sent by program CMN001.

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Solution: Set up two (2) new action records for CPA5760 and CPA5917.



1. Create a new message action record CPA5760 for QSYSOPR by entering option 1 along with the library, message queue, message id, and sequence number in the entry fields on the top of list panel 1 (shown below). When you have completed your entries, press **<Enter>**. You will be shown the Work with Message Actions panel 2.

Work with Message Actions List Panel 1

```
ACD0101C                Work with Message Actions                ACO                02/05/04
                                                                21:57:11

Type information, press Enter.
 1=Create  2=Change  3=Copy  4=Delete  5=Display  6=Release
 7=Hold   8=Position 10=Description 12=Send test message

Opt Library  Msg Queue  Id      Seq A Job Name  User Name  Status
 1  QSYS      + QSYSOPR  + CPA5760 50      5 *ANY      *ANY      *ON
__  QSYS      QSYSOPR  CPA5700  50      5 *ANY      *ANY      *ON
__  QSYS      QSYSOPR  CPA5800  50      5 *ANY      *ANY      *ON
__  QSYS      QSYSOPR  CPA5900  50      5 *ANY      *ANY      *ON

F1=Help  F3=Exit  F4=Prompt  F5=Refresh  F14=Resequenece  F15=Restore
F16=Fold F17=Override  F18=Copy set F19=Delete set  F24=More keys
```

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Message Monitor Search Hierarchy

Work with Message Actions Panel 2

```
ACD0100A          Work with Message Actions          ACO          02/05/04
Change                                                    21:58:01
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5760
Library . . . . .      : QSYS              Sequence number . . : 50

Runs on day (Mon-Sun) . . : Y Y Y Y Y Y Y          Y,N,blank
Run time (hh:mm). . . . . :  1 to 2400
Event description . . . . : Added by Dave on 02/05/04 at 21:58 p.m.
Message text. . . . . :

Status. . . . .      : *ON                  *ON,*OFF

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F21=System command
```

2. Accept the default values for the *day-of-week*, *start/stop time*, and *status* parameters. Optionally, you may enter an event description for this message action record. This field is for your information only and could include the user name and a date/time stamp to mark when this record was added to the file. When you have completed your entries on panel 2, review them carefully and press **<Enter>**. A third panel will appear like the one shown on the next page.

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- __3. On panel three (3) (below) set all fields as shown and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 3

ACD01002	Work with Message Actions	ACO	02/05/04
Create			21:58:42
Type information, press Enter.			
Message queue	: QSYSOPR	Message id.	: CPA5760
Library	: QSYS	Sequence number	: 50
Message Sender Filters:			
Job name.	: *ANY	Name, generic*, *ANY	
Job user name	: *ANY	Name, generic*, *ANY	
Job number.	: *ANY	0-999999, *ANY	
Job program name.	: *ANY	Name, generic*, *ANY	
Job statement	: *ANY	Name, *ANY	
Job date.	: *ANY	Date, *ANY	
Job time/duration	: *ANY	hms/1-1440 (min)	
Severity level.		0-99	
Compare string text	: *ANY	Name	
Compare start position.		1-240	
Threshold options:			
Duration in minutes.		1-720	
Number of times sent		1-99999	
Action sequence to run		1-999	
F1=Help F3=Exit F4=Prompt F12=Cancel F21=System command			

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Message Monitor Search Hierarchy

- __4. On panel four (4) (below) set the message action code to **5** and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 4

ACD01005	Work with Message Actions	ACO	02/05/04
Change			21:58:52
Type information, press Enter.			
Message queue	: QSYSOPR	Message id.	: CPA5760
Library	: QSYS	Sequence number . . .	: 50
Dependent Id Options. . . :			
Dependent message id . .	: _____		
Dependent sequence no. .	: _____		
Duration in minutes. . .	: _____		
Action sequence to run .	: _____		
Cancel delayed message .	: -		
Message Response Actions :			
Message action.	: <u>5</u> + Forward message	F4 for list	
Forward to *MSGQ.	: <u>ACO</u>	Name	
Library	: <u>QUSRSYS</u>	Name	
Automatic reply value . .	: _____		
Reply acknowledgment. . .	: -	blank,Y	
Minutes to delay reply. .	: _____	1-720	
Copy to message server. .	: -	1-3	
F1=Help F3=Exit F4=Prompt F12=Cancel F21=System command			

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Message Monitor Search Hierarchy

- __6. Enter the message action record CPA5917 for QSYSOPR by entering option 1 along with the library, message queue, message id, and sequence number in the entry fields on the top of list panel 1 (not shown). When you have completed your entries, press <Enter>. You will be shown the Work with Message Actions panel 2.

Work with Message Actions List Panel 1

ACD0101C	Work with Message Actions	ACO	02/05/04 21:57:11					
Type information, press Enter.								
1=Create 2=Change 3=Copy 4=Delete 5=Display 6=Release								
7=Hold 8=Position 10=Description 12=Send test message								
Opt	Library	Msg Queue	Id	Seq	A	Job Name	User Name	Status
1	QSYS	+ QSYSOPR	+ CPA5917	50				
—	QSYS	QSYSOPR	CPA5700	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5760	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5800	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5900	50	5	*ANY	*ANY	*ON
F1=Help F3=Exit F4=Prompt F5=Refresh F14=Resequenece F15=Restore								
F16=Fold F17=Override F18=Copy set F19=Delete set F24=More keys								

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Message Monitor Search Hierarchy

Work with Message Actions Panel 2

```
ACD0100A          Work with Message Actions          ACO          02/05/04
Change                                                    21:58:01
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5917
Library . . . . .      : QSYS              Sequence number . . : 50

Runs on day (Mon-Sun) . . : Y Y Y Y Y Y Y          Y,N,blank
Run time (hh:mm). . . . . :  1 to 2400
Event description . . . . : Added by Dave on 02/05/04 at 21:58 p.m.
Message text. . . . . :

Status. . . . .      : *ON                  *ON,*OFF

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F21=System command
```

- __7. Accept the default values for the *day-of-week*, *start/stop time*, and *status* parameters. Optionally, you may enter an event description for this message action record. This field is for your information only and could include the user name and a date/time stamp to mark when this record was added to the file. When you have completed your entries on panel 2, review them carefully and press **<Enter>**. A third panel will appear like the one shown on the next page.

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- __8. On panel three (3) (below) enter **CMN001** in the job program name field. Set all other fields as shown and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 3

ACD01002	Work with Message Actions	ACO	02/05/04
Create			21:58:42
Type information, press Enter.			
Message queue :	QSYSOPR	Message id. :	CPA5917
Library :	QSYS	Sequence number . . . :	50
Message Sender Filters:			
Job name :	<u>*ANY</u>	Name, generic*, *ANY	
Job user name :	<u>*ANY</u>	Name, generic*, *ANY	
Job number :	<u>*ANY</u>	0-999999, *ANY	
Job program name :	<u>CMN001</u>	Name, generic*, *ANY	
Job statement :	<u>*ANY</u>	Name, *ANY	
Job date :	<u>*ANY</u>	Date, *ANY	
Job time/duration :	<u>*ANY</u>	hms/1-1440 (min)	
Severity level :	<u> </u>	0-99	
Compare string text . . . :	<u>*ANY</u>	Name	
Compare start position . . :	<u> </u>	1-240	
Threshold options:			
Duration in minutes . . . :	<u> </u>	1-720	
Number of times sent . . . :	<u> </u>	1-99999	
Action sequence to run . . :	<u> </u>	1-999	
F1=Help F3=Exit F4=Prompt F12=Cancel F21=System command			

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- __9. On panel four (4) (below) set the message action code to **5** and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 4

```
ACD01005          Work with Message Actions          ACO          02/05/04
Change           21:58:52
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : CPA5917
Library . . . . . : QSYS          Sequence number . . . : 50

Dependent Id Options. . . :
Dependent message id . . : _____
Dependent sequence no. . . : _____
Duration in minutes. . . : _____
Action sequence to run : _____
Cancel delayed message : -
Message Response Actions :
Message action. . . . . : 5 + Forward message          F4 for list
Forward to *MSGQ. . . . . : ACO          Name
Library . . . . . : QUSRSYS          Name
Automatic reply value . . : _____
Reply acknowledgment. . . : -          blank,Y
Minutes to delay reply. . : _____          1-720
Copy to message server. . : -          1-3

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F17=Override   F21=System command
```


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Message Monitor Search Hierarchy

Work with Message Actions List Panel 1

ACD0101C	Work with Message Actions	ACO	02/05/04 21:57:11
Type information, press Enter.			
1=Create 2=Change 3=Copy 4>Delete 5=Display 6=Release 7=Hold 8=Position 10=Description 12=Send test message			
Opt Library	Msg Queue	Id	Seq A Job Name User Name Status
— QSYS	+ QSYSOPR	+ CPA5700	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5760	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5800	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5900	50 5 *ANY *ANY *ON
— QSYS	QSYSOPR	CPA5917	50 5 *ANY *ANY *ON
F1=Help F3=Exit F4=Prompt F5=Refresh F14=Resequence F15=Restore F16=Fold F17=Override F18=Copy set F19=Delete set F24=More keys			

As a result of having these two (2) new entries in the message action file, the following actions are performed by the Message Monitor:

- o If CPA5701 through CPA5999 is sent to QSYSOPR, the Message Monitor selects a generic message action record (since no match occurs on the specific message id), forwards the message to the ACO message queue, and (except for message id CPA5760) sends a broadcast message to all members of the system operator group call list.
- o If CPA5760 is sent to QSYSOPR, the Message Monitor will forward the message to the ACO message queue. The Message Monitor selects the specific action record for CPA5760 because it is defined in the message action file. Paging is not performed since there is no pager/group id defined.
- o If CPA5917 is sent from job CMN001, the message is forwarded to the ACO message queue and a pager message is sent to the NEXTEL2WAY pager. The Message Monitor selects the specific action record for CPA5917 because it is defined in the message action file with specific job information for CMN001.

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- o If CPA5917 is sent from any other program, the message is forwarded to the ACO message queue and a broadcast message is sent to all members of the system operator group call list. In this case, the Message Monitor selects the generic action record CPA5900 since it did not match the specific *job sender information* defined in the CPA5917 record. Please continue with example three (3).

Example 3

Objective: To monitor QSYSOPR and perform the following user-defined actions:

- o As in the first example, page the system operators (OPERATORS group id) for all CPA5701 through CPA5999 messages (except CPA5760).
- o Omit paging for message id CPA5760.
- o Page the NEXTEL2WAY pager for CPA5917 if the message is sent by the program CMN001.
- o Page the SKYTEL pager for all other messages received with a severity of eighty (80) or higher. Messages with a lower severity will be forwarded to the ACO message queue to be handled by the system operator.

Solution: Set up one (1) new action record for the *ANY message id.

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1. Enter the message action record *ANY for QSYSOPR by entering option 1 along with the library, message queue, message id, and sequence number in the entry fields on the top of list panel 1 (not shown). When you have completed your entries, press **<Enter>**. You will be shown the *Work with Message Actions* panel 2.

Work with Message Actions List Panel 1

ACD0101C	Work with Message Actions	ACO	02/05/04 21:57:11					
Type information, press Enter.								
1=Create 2=Change 3=Copy 4>Delete 5=Display 6=Release								
7=Hold 8=Position 10=Description 12=Send test message								
Opt	Library	Msg Queue	Id	Seq	A	Job Name	User Name	Status
1	QSYS	+ QSYSOPR	+ *ANY	50				
—	QSYS	QSYSOPR	CPA5700	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5760	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5800	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5900	50	5	*ANY	*ANY	*ON
—	QSYS	QSYSOPR	CPA5917	50	5	*ANY	*ANY	*ON
F1=Help F3=Exit F4=Prompt F5=Refresh F14=Resequence F15=Restore								
F16=Fold F17=Override F18=Copy set F19=Delete set F24=More keys								

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Message Monitor Search Hierarchy

Work with Message Actions Panel 2

```
ACD0100A          Work with Message Actions          ACO          02/05/04
Change                                                    21:58:01
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : *ANY
Library . . . . .      : QSYS              Sequence number . . : 50

Runs on day (Mon-Sun) . . : Y Y Y Y Y Y Y          Y,N,blank
Run time (hh:mm). . . . . :  1 to 2400
Event description . . . . : Added by Dave on 02/05/04 at 21:58 p.m.
Message text. . . . . :

Status. . . . .      : *ON                  *ON,*OFF

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F21=System command
```

2. Accept the default values for the *day-of-week*, *start/stop time*, and *status* parameters. Optionally, you may enter an event description for this message action record. This field is for your information only and could include the user name and a date/time stamp to mark when this record was added to the file. When you have completed your entries on panel 2, review them carefully and press **<Enter>**. A third panel will appear like the one shown on the next page.

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- __3. On panel three (3) (below) enter **80** in the severity level field. Set all other fields as shown and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 3

```
ACD01002          Work with Message Actions          ACO          02/05/04
Create                                                    21:58:42
Type information, press Enter.
Message queue . . . . . : QSYSOPR          Message id. . . . . : *ANY
Library . . . . . : QSYS          Sequence number . . : 50

Message Sender Filters:
Job name. . . . . : *ANY          Name, generic*, *ANY
Job user name . . . . . : *ANY          Name, generic*, *ANY
Job number. . . . . : *ANY          0-999999, *ANY
Job program name. . . . . : *ANY          Name, generic*, *ANY
Job statement . . . . . : *ANY          Name, *ANY
Job date. . . . . : *ANY          Date, *ANY
Job time/duration . . . . . : *ANY          hms/1-1440 (min)
Severity level. . . . . : 80          0-99
Compare string text . . . . . : *ANY          Name
Compare start position. :          1-240
Threshold options:
Duration in minutes. . . :          1-720
Number of times sent . . :          1-99999
Action sequence to run :          1-999

F1=Help   F3=Exit   F4=Prompt   F12=Cancel   F21=System command
```

SETUP EXAMPLE

Message Monitor Search Hierarchy

- __4. On panel four (4) (below) set the message action code to **5** and press **<Enter>** to advance to the next panel.

Work with Message Actions Panel 4

ACD01005	Work with Message Actions	ACO	02/05/04
Change			21:58:52
Type information, press Enter.			
Message queue	: QSYSOPR	Message id.	: *ANY
Library	: QSYS	Sequence number . . .	: 50
Dependent Id Options. . . :			
Dependent message id . .	: _____		
Dependent sequence no. .	: _____		
Duration in minutes. . .	: _____		
Action sequence to run .	: _____		
Cancel delayed message .	: -		
Message Response Actions :			
Message action.	: <u>5</u> + Forward message	F4 for list	
Forward to *MSGQ.	: <u>ACO</u>	Name	
Library	: <u>QUSRSYS</u>	Name	
Automatic reply value . .	: _____		
Reply acknowledgment. . .	: -	blank,Y	
Minutes to delay reply. .	: _____	1-720	
Copy to message server. .	: -	1-3	
F1=Help F3=Exit F4=Prompt F12=Cancel F21=System command			

SETUP EXAMPLE

Message Monitor Search Hierarchy

Work with Message Actions Panel 1

```
ACD0101C                Work with Message Actions        ACO                02/05/04
                                                                21:57:11

Type information, press Enter.
 1=Create  2=Change  3=Copy  4=Delete  5=Display  6=Release
 7=Hold    8=Position 10=Description 12=Send test message

Opt Library      +  Msg Queue      +  Id      Seq A Job Name  User Name  Status
-----+-----+-----+-----+-----+-----+-----
___ QSYS         +  QSYSOPR      +  *ANY     50 5 *ANY      *ANY      *ON
___ QSYS         +  QSYSOPR      +  CPA5700  50 5 *ANY      *ANY      *ON
___ QSYS         +  QSYSOPR      +  CPA5760  50 5 *ANY      *ANY      *ON
___ QSYS         +  QSYSOPR      +  CPA5800  50 5 *ANY      *ANY      *ON
___ QSYS         +  QSYSOPR      +  CPA5900  50 5 *ANY      *ANY      *ON
___ QSYS         +  QSYSOPR      +  CPA5917  50 5 *ANY      *ANY      *ON

F1=Help  F3=Exit  F4=Prompt  F5=Refresh  F14=Resequenece  F15=Restore
F16=Fold F17=Override  F18=Copy set F19=Delete set  F24=More keys
```

As a result of having this one (1) new entry in the message action file, the following actions are performed by the Message Monitor:

- o If CPA5701 through CPA5999 is sent to QSYSOPR, the Message Monitor selects a generic message action record (since no match occurs on the specific message id), forwards the message to the ACO message queue, and (except for message id CPA5760) sends a broadcast message to all members of the system operator group call list.
- o If CPA5760 is sent to QSYSOPR, the Message Monitor will forward the message to the ACO message queue. The Message Monitor selects the specific action record for CPA5760 because it is defined in the message action file. Paging is not performed since there is no pager/group id defined in the message action record.
- o If CPA5917 is sent from job CMN001, the message is forwarded to the ACO message queue and a pager message is sent to the NEXTEL2WAY pager. The Message Monitor selects the specific action record for CPA5917 because it is defined in the message action file with specific job information for CMN001.

SETUP EXAMPLE

Message Monitor Search Hierarchy

- o If CPA5917 is sent from any other program, the message is forwarded to the ACO message queue and a broadcast message is sent to all members of the system operator group call list. In this case, the Message Monitor selects the generic action record CPA5900 since it did not match the specific *job sender information* defined in the CPA5917 record.
- o All other messages with a severity equal to or greater than eighty (80) are forwarded to the ACO message queue and a pager message is sent to the SKYTEL pager. The Message Monitor selects the *ANY message action record since it did not match any specific or generic message id entry in the message action file.
- o All other messages with a severity less than eighty (80) are forwarded to the ACO message queue. The Message Monitor does not select an action record, since in this case, the severity (of the received message) does not equal or exceed the *ANY message action record severity level. By default all messages received at a monitored message queue are forwarded to the alternate system operator message queue if a specific or generic message action record match is not found.