

Adding Event Definition for OS/390 or VSE/ESA Job

This section covers the following topics:

- Add/Modify Event Definition
- Field Descriptions: Add/Modify Event Definition

Add/Modify Event Definition

▶ To add an event to be checked at job termination

- Press PF2 (Add) on the End-of-Job Checking and Actions screen.

A window opens in which you can enter the event definition:

```

18.11.01          *** Entire Operations 4.1.1 ***          13:36:29
Owner  REQUEST          End-Of-Job Checking + Actions  MVS/ESA  Job J-1
Network +-----+
----- !
C Action !          Add Event Definition          !  OA
_ ! Event Type ==> _ C Termination Code          MVS/ESA !
_ !          R User Routine          !
_ !          S String          A Add. Job-ok,-not-ok !
_ !
_ ! Stepname ==> _____ !
_ ! Operator ==> __ Event ==> _____ !
_ !
_ ! User Routine ==> _____ in NATURAL Library ==> _____ !
***** !          ! ****
_ ! String ==> _____ !
_ ! Select ==> _____ !
----- !
A Activa ! Occurrence of event means OK or NOT OK ==> __ ! ther
P Descr. !
_ ! Enter-PF1---PF2---PF3-----PF5-----PF12--- !
Command ! Help Add End Save          Menu !
Enter-PF1 +-----+ 2---
          Help Add End Save Up Down          Menu
    
```

Field Descriptions: Add/Modify Event Definition

(OS/390, VSE/ESA)

Meaning of the input fields:

Field	Description
Event Type	Type of event to be checked. Possible values:
A	Additional definition for job ok or job not ok. See Example of an A-type Event.

Field	Description	
	C	Return code received during job execution (job step). See Example of a C-type Event.
	R	Job sysout is to be checked by a user routine. See Example of an R-type Event.
	S	Occurrence of a specific string in job sysout. See Example of an S-type Event. Notes: <ol style="list-style-type: none"> 1. All checks of the sysout file and actions, which refer to the sysout file, are not executed, if no sysout file exists. This case will apply, if the job is submitted as a temporary dummy job. 2. A string search in a non-existent file is handled like string not found in an existing file.
Step Name	(for a C-type event) The JCL step to be checked for the return code specified in the Operator and Event Type fields. Special step names: /ANYSTEP Event occurs if the definition is true for any step of the jobs. /MAXCC Event occurs if it is true for the maximum termination code (condition code) of the job.	
	Note:	In VSE/ESA you can define STEPNAMEs for Entire Operations with the LABEL statement: /.label, where label stands for STEPNAME. The STEPNAME defined in this way is valid for the following EXEC statement.
Operator	(for a C-type event) Specify a logical operator to compare the received return code with the value entered in the Event Type field. Possible values:	
	= or EQ	Code is equal to specified value.
	>= or GE	Code is greater than or equal to specified value.
	> or GT	Code is greater than specified value.
	<= or LE	Code is lower than or equal to specified value.
	< or LT	Code is lower than specified value.
	!= or NE	Code is different from specified value.
Event	(for a C-type event) Specify a condition code to be compared with the return code. Possible values:	
	Cxxxx	Condition code xxxx (OS/390) Return code xxxx (VSE/ESA)
	Sxxx	System abend code xxx (OS/390 only)
	Uxxxx	User abend code xxxx (OS/390 only)
	JNR	Job not run, JCL error.
	JFL	Job failed, JCL error.

Field	Description	
	JDL	Job deleted by operator.
	JIR	Job execution interrupted (for example: system crash)
User Routine	(for an R-type event) Name of the user routine which is to run on job termination. See the subsection Editing End-of-Job User Routines.	
in Natural Library	(for an R-type event) The Natural library in which the user routine resides. This library should be different from the Entire Operations system library.	
String	(for an S-type event) Specify the actual string in the job sysout for which Entire Operations is to check.	
Select (OS/390)	You can limit the search for strings by specifying file numbers in this field according to file type (SM, SO, JL). Enter file type followed by number, range of numbers or an asterisk * as wildcard. For example:	
	SM 1	Search system messages 1.
	SM 1 5	Search system messages 1 to 5.
	SO*	Search all sysout files.
Select (VSE/ESA)	You can use these file types: LST, PUN, RDR.	
Occurrence of event means OK or NOT OK	Specify the event check status, if defined event occurs. Possible values:	
	OK	Check ok.
	NO	Check not ok.
	--	No effect on the job result.
	Usually actions are defined at the job level with the events All checks ok or Any check not ok. If you want to define an action of the same type two or more times for one of these events, you need additional event entries for job ok or job not ok. See Example of an A-type Event.	
	Note:	You can use these additional event definitions to set conditions, but it is not recommended, because they are not evaluated for the display of job dependencies (see Job Dependencies in the section Job Maintenance).

When you have finished defining the event, you can proceed in one of the following ways:

- If you defined an R-type event, you can enter **E** in the line command field of the event on the End-of-Job Checking and Actions screen and press Enter to define the user routine using the Entire Operations Editor. (See the subsection Editing End-of-Job User Routines.)
- Press PF2 (Add) to save the definition and clear the window to add another event. You can define any number of events for any one job.
- Press PF5 (Save) to save the event definition(s).
- Press PF3 (End) to close the window and return to the End-of-Job Checking and Actions screen. The new events are listed on this screen.