

# Generating Sysout File Names for BS2000/OSD

This subsection covers the following topics:

- Generating Sysout File Names for BS2000/OSD
  - Rules for Exit Coding
  - Use with Work File Deletion
  - Example
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## Generating Sysout File Names for BS2000/OSD

The exit NOPFB2-N **may** be copied into the library SYSEOR to enable the user-defined generation of sysout file names in BS2000. Only **one** instance of this exit exists in the system and it is executed only if it is present. Otherwise, standard name generation is used.

This exit is called with the parameter list NOPXPL-A, so the first line of the exit must be:

```
DEFINE DATA PARAMETER USING NOPXPL-A
```

Meaning of the parameters in NOPXPL-A:

Parameter	Format	Use	
P-CALL-PLACE	A03	in	Constant 'FSB' (Filename Sysout BS2000).
P-RC	N04	out	Return code:
			<b>0</b> Function ok (name generation ok)
			<b>1</b> A name could not be generated. The default name routine of Entire Operations is to be called.
			<b>2</b> A name could not be generated. The action (activation) is to be canceled.
			If activation is canceled by means of the name routine, a corresponding log entry will be written.
P-RT	A66	out	Return code (not evaluated).
P-OWNER	A10	in	Network owner.
P-NETWORK	A10	in	Job network.
P-JOB	A10	in	Job.
P-RUN	P13	in	Run number.
P-ACTIVATION-TIME	T	in	Activation time of the network.
P-EXECUTION-NODE	N03	in	Entire System Server execution node.
P-EXECUTION-OPSYS	A08	in	Operating system of Entire System Server node.
P-SYMBOL-TABLE	A10	in	Name of the defined symbol table.
P-FSB-OBJECT-TYPE	A05	in	File type:
			<b>SO-C</b> Current sysout file.
			<b>SO-P</b> Previous sysout file.
			<b>SO-P1</b> Previous sysout file without user ID.
			<b>SO-A</b> All sysout files of a job.
P-FSB-USERID	A08	in	BS2000 user ID.
P-FSB-CATID	A04	in	BS2000 Cat ID.
P-FSB-SUFFIX	A02	in	BS2000 suffix.
P-SYSOUT-FILE	A54	out	Generated file name.

## Rules for Exit Coding

- File names must be created which are unique system-wide. Otherwise, the proper running of Entire Operations is no longer possible.
- File names which are unique system-wide can be produced by using the fields P-OWNER, P-NETWORK, P-RUN, P-JOB and P-FSB-SUFFIX simultaneously.
- You must be able to process all of the object types defined above.
- Except for the object type SO-P1, a fully-qualified file name must be created which includes the BS2000 user ID.
- A wildcard file entry valid for all sysout files of an active job must be created for the type SO-A. This type is used for deleting files.

- The field P-FSB-SUFFIX is transferred and must be used to differentiate sysout files when jobs are repeated. The caller ensures that the suffix for the currently active job is unique. For the object type SO-C, this field is blank.

**Note:**

If no file name is returned, then standard name generation is used.

## Use with Work File Deletion

Even in case of work file deletion (in connection with deactivation or cleanup) this exit is called, if it exists at all. The following will apply in this context:

- At any rate, an attempt is made to also delete work files, which correspond to the default name conventions of Entire Operations, independent of the existence of the exit.
- It is presumed that the exit will generate the run number with exactly 5 digits, which are enclosed by dots:
  - aaa.00000.bbb (example: aaa.01234.bbb)

For the Entire Operations file search, this pattern is replaced by a wildcard:

- aaa.00000.bbb --> aaa.\*.bbb
- If the name syntax of the exit is modified, files cannot be found any longer, the names of which have been generated before the modification. It is not recommended to exchange the exit, while active jobs are running in the operating system.

## Example

```
* NOPFB2-N
* EXAMPLE EXIT FOR SYSOUT FILE NAME
*
* MODIFICATIONS:
* 17.05.95 (139240) SYSOUT FILE NAME EXIT                               SN210
* -----
DEFINE DATA PARAMETER USING NOPXPL-A
END-DEFINE
* -----
COMPRESS P-OWNER P-NETWORK P-RUN P-JOB
  INTO P-SYSOUT-FILE LEAVING NO SPACE
IF P-FSB-OBJECT-TYPE NE 'SO-P1'
* -- ALL OBJECT TYPES EXCEPT SO-P1 M U S T HAVE A BS2000 USERID --
  COMPRESS '$' P-FSB-USERID '.' P-SYSOUT-FILE
  INTO P-SYSOUT-FILE LEAVING NO SPACE
END-IF
IF P-FSB-OBJECT-TYPE EQ 'SO-A'
* -- ALL SYSOUT FILES FOR A JOB --
  COMPRESS P-SYSOUT-FILE '*'
  INTO P-SYSOUT-FILE LEAVING NO SPACE
ELSE
  COMPRESS P-SYSOUT-FILE '.S' P-FSB-SUFFIX
  INTO P-SYSOUT-FILE LEAVING NO SPACE
END-IF
RESET P-RC          /* OK
END
```