

Common User Routine Parameter Area

This subsection covers the following topics:

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- Where User Routines Can Be Used
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Common Parameter Area NOPXPL-A

All user routines under Entire Operations must use the common parameter area NOPXPL-A, which is available in both object and source format in the SYSEOR library.

For this reason, the initial coding of a user routine must always resemble:

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

Where User Routines Can Be Used

The field P-CALL-PLACE in the parameter list shows from where the user routine was called:

Value	Description
EJA	End-of-Job Action
EJC	End-of-Job Checking
FSB	Sysout File Name Generation (BS2000/OSD)
ICO	Input Condition Value Determination
MAC	Parameter List for the Dynamic JCL Generation
NAT	Natural Program Standalone under Entire Operations (NAT-type Job)
RMD	Resource Master Determination Exit
SFX	Symbol Function Exit
SNF	Global †Symbol not Found‡ Exit
SYC	Symbol Plausibility Check
SYF	Symbol Functions

Parameters Used for Different Call Places

Table must be re-formatted.

Links for (1) (5) to the remarks are necessary.

Please sort the columns alphabetically from left to right.

Field Name	Format	Call Place										
		EJA	EJC	FSB	ICO	MAC	NAT	RMD	SFX	SNF	SYC	SYF
P-CALL-PLACE	(A03)	EJA	EJC	FSB	ICO	MAC	NAT	RMD	SFX	SNF	SYC	SYF
P-RC	(N04)	out	out	out	out	n/a	out	out	out	out	out	out
P-RT	(A66)	out	out	out	out	n/a	out	out	out	out	out	out
P-OWNER	(A10)	in	in	in	in	in	in	in	in	in	in	in
P-NETWORK	(A10)	in	in	in	in	in	in	in	in	in	(3)	in
P-JOB	(A10)	in	in	in	in	in	in	in	in	in	n/a	in
P-RUN	(P13)	in	in	in	in	in	in	in	in	in	(3)	in
P-ACTIVATION-TIME	(T)	in	in	in	in	in	in	in (7)	n/a	n/a	(3)	n/a
P-EXECUTION-NODE	(N03)	in	in	in	in	in	in	in	in	in	n/a	in
P-EXECUTION-OPSYS	(A08)	in	in	in	in	in	in	in	n/a	n/a	n/a	n/a
P-SYMBOL-TABLE	(A10)	in	in	in	in	in	in	in	in	in	n/a	in
P-CONDITION	(A20)	(6)	(6)	n/a	in	(2)	n/a	n/a	(4)	n/a	(4)	(4)
P-RESOURCE	(A20)	in	n/a	n/a	n/a	n/a	n/a	in	n/a	n/a	n/a	n/a
P-SYMBOL	(A20)	(1)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	mod	n/a	n/a
P-JOB-NUMBER	(N05)	in	in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P-SYSOUT-FILE	(A54)	(1)	(1)	out	n/a	n/a	n/a	n/a	(5)	n/a	(5)	(5)
P-FSB-OBJECT-TYPE	(A05)	n/a	n/a	in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P-FSB-USERID	(A08)	n/a	n/a	in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P-FSB-CATID	(A04)	n/a	n/a	in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P-FSB-SUFFIX	(A02)	n/a	n/a	in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P-SYMBOL-VALUE	(A54)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	out	n/a	n/a
R-RMD-OLD-QTY-INITIAL	(N7.2)	n/a	n/a	n/a	n/a	n/a	n/a	in	n/a	n/a	n/a	n/a
P-RMD-NEW-QTY-INITIAL	(N7.2)	n/a	n/a	n/a	n/a	n/a	n/a	out	n/a	n/a	n/a	n/a
P-RMD-PARAMETER	(A36)	n/a	n/a	n/a	n/a	n/a	n/a	in	n/a	n/a	n/a	n/a

Remarks

P-RC Return Code

P-RT Return Text

1. in; BS2000/OSD only
2. in; contains P-SUFFIX in first 10 bytes
3. in; only for active symbols
4. in; here: P-SYMBOL (A20)
5. in; here: P-SYMBOL-VALUE (A54)
6. in; contains P-JOB-ID (A5) in first 5 bytes
7. in; here: timestamp of previous exit call
8. in; this field should no more be used. The format is obsolete. It cannot be used for all operating systems.

Predefined Symbols

See the subsection Predefined Symbols in the section Symbols for a list of predefined symbols.

Common Considerations for User Routines

All user routines must return the field P-RC (return code). 0 (zero) means OK.

The field P-RT (return text) can be used optionally to pass back some specific information. Entire Operations writes this text into the log and displays it on the Active Jobs screen, if supplied.

All other parameters pass environment information to the user routine. Some parameters are not always used. See the above table for details.

Restrictions

1. ON ERROR routines **must not** be coded in any Entire Operations user routine. Error handling is performed by a global Monitor error routine. Monitor failures are possible if this is not adhered to.
2. No programs with their own GDA may be invoked.
3. The names of user routines may not begin with the letter **V**, particularly if they are to be stored in the library SYSEOR, because the prefix **V** is reserved for the internal Entire Operations exit directory.
4. The following Natural statements **may not be coded** in any user routine invoked by Entire Operations:
 - STOP
 - TERMINATE
 - FETCH without RETURN (FETCH RETURN is allowed)

Note:

If you want to use the values of the special parameters in macro-JCL, you must first read them with the special statement #GET-SYMBOL.