

## IX.3.6B-RPPREC SUBROUTINE RPPREC

### Description

Subroutine RPPREC reads a parameter record from the Preprocessor Parametric Data Base.

### Calling Sequence

CALL RPPREC (ID, ITYPE, IPTR, LARRAY, ARRAY, NFILL, IRECNX, ISTAT)

### Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
ID	Both	A8	1	Parameter record identifier <u>1/ 2/</u>
ITYPE	Input	A4	1	Parameter record type (see Section IX.4.3C) <u>2/</u>
IREC	Both	I*4	1	Record number of parameter record <u>1/</u>
LARRAY	Input	I*4	1	Length of parameter array (number of full words)
ARRAY	Output	R*4	LARRAY	Parameter array
NFILL	Output	I*4	1	Number of full words filled in parameter array
IRECNX	Output	I*4	1	Record number of next parameter record of this type: 0 = no more parameter records of this type
ISTAT	Output	I*4	1	Status code: 0 = successful read 1 = system error accessing file 2 = parameter record not found or not parameter record defined for specified parameter type 3 = parameter array too small to hold entire parameter record - NFILL is set to number of words needed 4 = invalid parameter type 5 = invalid record number 6 = last parametric record in file of this type is

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
				deleted
				7 = identifier and type found in parameter record do not match that in index
				8 = parameter wanted not at record number entered (IREC entered less than zero)
				9 = deleted parameter found at record number entered (IREC entered less than zero)

Notes:

1/ The following possibilities exist for combinations of ID and IREC:

<u>ID</u>	<u>IREC</u>	<u>Results</u>
nonblank	less than zero	Return the record at the absolute value or IREC if ID entered matches ID on file - error if ID does not match (ISTAT=8)
blank	less than zero	Return the record at the absolute value or IREC if parameter is not deleted - error if parameter is deleted (ISTAT=9)
nonblank	equal zero	Hash on ID and ITYPE and return the record found - error if record not found (ISTAT=2)
blank	equal zero	Return first record with type of ITYPE - error if no record with type of ITYPE found (ISTAT=2)
nonblank	greater than zero	Check record at IREC and return if ID entered matches ID on file - if ID does not match hash on ID entered and ITYPE
blank	greater than zero	Return record at IREC

If parameter at IREC is deleted the first non-deleted parameter after IREC with type of ITYPE is returned.

2/ For single record parameter types (ones that can have only one record defined) a blank ID must be passed. Single record parameter

types are stored with blank identifiers (see Sections IX.3.6A and IX.4.3C).