

IX.4.3B-PPPINDEX PREPROCESSOR PARAMETRIC DATA BASE FILE PPPINDEX

Purpose

File PPPINDEX contains the directory of parameter types and the parameter record index for the Preprocessor Parametric Data Base.

Description

ATTRIBUTES: fixed length 16 byte binary records

RECORD STRUCTURE:

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
The first two records are the parameter index control records.				
Record 1:				
MAXREC	I*4	1	1	Maximum records in file
MAXTYP	I*4	1	2	Maximum parameter types
NUMTYP	I*4	1	3	Number of parameter types defined
NUMFIL	I*4	1	4	Number of parameters files

Record 2:

FSTIDX	I*4	1	1	Record number of first index record
USERID	A8	1	2-3	User name
			4	Unused

The next MAXTYP records contain the following information for each parameter type:

PARMTP	A4	1	1	Parameter type
LUFILE	I*4	1	2	Logical unit assigned to file that contains the parameter type
FIRST	I*4	1	3	Record number of first parameter record of this type <u>1</u> /
LAST	I*4	1	4	Record number of last parameter record of this type

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NUMPRM	I*4	1	5	Number of parameter records of this type
ISNGL	I*4	1	6	Single record type indicator: <u>1/</u> 0 = not single record type 1 = single record type
			7-8	Unused

The remaining records are the parameter index records. There is one index record for each parameter record. 2/

ID	A8	1	1-2	Identifier <u>3/</u>
ITYPE	A4	1	3	Parameter type <u>3/</u>
IREC	I	1	4	Record number of parameter record

Notes:

- 1/ A single record parameter type is one that has only one record defined. For these types the variable FIRST provides enough information for access without going to the index.
- 2/ These records are used for direct access to a specific parameter record. Entries are made and retrieved using a hashing algorithm which is applied to the identifier and the parameter type. The resulting number is the index record number of the parameter record. The index contains the record number of the parameter record in the data file.
- 3/ If ID(1:4)=-1 and ID(5:8)=0 and ITYPE=0 then the index record has been deleted.