

DLMM\$ - Read/Write DLM Index File

The DLMM\$ routine is available to read or write the entire contents of a DLM Index File (normally \$\$DLM0 or \$\$DLM1). The functionality of the DLMM\$ routine is encapsulated in the \$DLMMAIN system utility.

1. Invocation

To read or write a DLM Index File code:

```
CALL DLMM$ USING fd hy flag
```

where *fd* is the a closed FD of organization UNDEFINED with both the filename and unit established in the FD; *hy* is a control block of the following format and *flag* is a PIC 9(4) COMP, or literal, which indicates a read (0) or write (1) operation.

```
01  HY
03  HYENTRIES  PIC 9(2) COMP      * NUMBER OF ENTRIES
03  HYE OCCURS 80
04  HYLIB      PIC X(8)          * DLM LIBRARY NAME
04  HYUAD      PIC X(3)          * UNIT ID
```

2. STOP Codes and Exception Conditions

No STOP codes are generated by DLMM\$.

The following EXIT codes may be returned by DLMM\$:

EXIT code	\$\$COND	Description
24701	1	The DLM Index File is in use, or cannot be read or written.
24702	2	The DLM Index File is not present on the unit specified.
24703	3	The DLM Index File has the wrong organization, record length or file size.

3. Programming Notes

DLMM\$ is only available with GSM SP-6, or later.

A valid DLM Index File must have the following file attributes:

```
Organization      RS or SY
Record Length     11
File size         880
```

The write function of DLMM\$ will update the **entire** DLM Index File. In order to add a new record to the Index File it is necessary to code:

```
CALL DLMM$ USING FD HY 0          * READ ENTIRE FILE
ON NO EXCEPTION
  IF HYENTRIES = 80                * DLM INDEX FILE IS ALREADY FULL
    DISPLAY "DLM INDEX FILE IS FULL"
  ELSE
    ADD 1 TO HYENTRIES
    MOVE LIBRARYNAME TO HYLIB(HYENTRIES)
    MOVE UNIT HYUAD(HYENTRIES)
    CALL DLMM$ USING FD HY 1      * WRITE BACK ENTIRE FILE
  END
```

END

4. Examples

[EXAMPLE REQUIRED]

5. Copy-Books

None.

6. See Also

DLMMX\$ DLM Index File maintenance