

DLMX\$ - Maintain DLM Index File

The DLMX\$ routine is available to maintain a DLM Index File (normally \$\$DLMO or \$\$DLM1). Some of the functionality of the DLMX\$ routine is encapsulated in the \$DLMMAIN system utility.

1. Invocation

To maintain a DLM Index File code:

```
CALL DLMX$ USING fd dx
```

where *fd* is the a closed FD of organization UNDEFINED with both the filename and unit established in the FD; *dx* is a control block of the following format:

```

01  DX
02  DXVERS      PIC 9(4) COMP      * CONTROL BLOCK VERSION NUMBER
                                VALUE 1      * MUST BE 1
02  DXFUNC      PIC 9(4) COMP      * FUNCTION CODE
                                * 0 = TEST LIBRARY NAME
                                * 1 = ADD LIBRARY NAME
                                * 2 = DELETE LIBRARY NAME
                                * 3 = UPDATE LIBRARY
02  DXLIB       PIC X(8)          * LIBRARY NAME
02  DXUAD       PIC X(3)          * UNIT ADDRESS

```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by DLMX\$:

STOP code	Description
24701	DXVERS is not 1.
24702	Invalid function number. DXFUNC is higher than 3.

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

EXIT code	\$\$COND	Description
24704	4	Library Name not found in DLM Index File.
24705	5	The DLM Index File is full.
24706	6	Library Name already in the DLM Index File.

3. Programming Notes

DLMX\$ is only available with GSM SP-38, or later.

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

```

Organization      RS or SY
Record Length    11
File size        880

```

The following table shows the use of DXLIB and DXUAD for each of the available functions:

Function	DXFUNC	DXLIB	DXUAD
0	Test Library Name	Must be established	Unit ID returned in DXUAD
1	Add Library Name	Must be established	Must be established
2	Delete Library Name	Must be established	Don't care
3	Update Library Name	Must be established	Must be established

4. Examples

[EXAMPLE REQUIRED]

5. Copy-Books

None.

6. See Also

DLMM\$ Read/Write DLM Index File