Difference in Specification of Softune Librarian (*FLIB907S*) and Old Librarian (*LIB907A*)

(F^{2}MC-16 Family)

1. Preface

This document describes the difference in the specification of the Softune librarian *(FLIB907S)* and the old librarian *(LIB907A)*.

2. Difference in Command Lines

The difference in the command line specification at activation is given in *Tables 2-1* and *2-2*.

Table 2-1   Activation Format for Librarian

FLIB907S	LIB907A
flib907s [option].... [file name]	lib907a file name [option]
	lib907a @option file

Table 2-2   Option Specification for Librarian

	FLIB907S	LIB907A
Where to specify options	Any position	After file name
Specification of option file	**-f** option file	@ option file
Specification of two or more option files	Allowed	Not allowed

3. Environmental Variables

The difference in environmental variables is given in *Table 3*.

Table 3   Environmental Variables

	FLIB907S	LIB907A
Specification of working directory	TMP	TMP
Specification of installation path	FETOOL	
Specification of display character code	FELANG	
Specification of default option file store path	OPT907	

4. Options

The difference in the options is given in *Table 4*.

Table 4   Librarian Options

	FLIB907S	LIB907A
Library file creation	-a	-CREATE(-C)
Module addition	-a	-APPEND(-A)
Module replacement	-r	-REPLACE(-R)
Module deletion	-d	-DELETE(-D)
Module selection		-SELECT(-S)
Module extraction	-x	-EXTRACT(-X)
Backup file creation allowed/suppressed	-b / -Xb	

(Continue)

Debug information output allowed/suppressed	-g / -Xg	
List file output	-m { file name | -} - Standard output	-LIST(-L) file name[,keyword...] Keyword:
Module name list output	Always output	[NO]MODULE
Segment information list output	-dt s	[NO]SEGMENT
External definition symbol information output	-dt d -dt a	[NO]PUBLIC
External reference symbol information output	-dt r -dt a	[NO]EXTRN
List file output inhibited	-Xm	
List 1 page line count specification		-CROSS_REFERENCE(-XR)
List 1 line digit count specification	-pl	
LIB file contents check	-pw	
.LIB file contents check	-c	
.LIB file contents optimization	-O	
Error information file output enabled/inhibited		-[NO]ERRORPRINT(-[NO]RP)
Status code file output		-RETCODE(-RC)
Termination of option file	Not required	-END(E)
Help display	-help	
Target CPU specification	-cpu	-CPU
CPU type check suppression		-NOCPUTYPECHECK(-NCTC)
Default option file input suppression	-Xdof	
Activation message display/no display	-V / -XV	
Warning-time return value change allowed/suppressed	-cwno / -Xcwno	
Termination message display/no display	-cmsg / -Xcmsg	

5. Alleviation of Restrictions

The difference in the processing limits is given in *Table 5*

Table 5   Processing Limits

	FLIB907S	LIB907A
Input file count	65535	255
Linked module count	65535	255
Linked section count	65535	255
External definition symbol count	65535	1536
External reference symbol count	65535	1536