The Open Group Base Specifications Issue 7, 2018 edition
IEEE Std 1003.1-2017 (Revision of IEEE Std 1003.1-2008)
Copyright © 2001-2018 IEEE and The Open Group

NAME

fmtmsg.h – message display structures

SYNOPSIS

[XSI] ⊠ #include <fmtmsg.h> ⊠

DESCRIPTION

The *<fmtmsg.h>* header shall define the following symbolic constants:

MM_HARD
      Source of the condition is hardware.
MM_SOFT
      Source of the condition is software.
MM_FIRM
      Source of the condition is firmware.
MM_APPL
      Condition detected by application.
MM_UTIL
      Condition detected by utility.
MM_OPSYS
      Condition detected by operating system.
MM_RECOVER
      Recoverable error.
MM_NRECOV
      Non-recoverable error.
MM_HALT
      Error causing application to halt.
MM_ERROR
      Application has encountered a non-fatal fault.
MM_WARNING
      Application has detected unusual non-error condition.
MM_INFO
      Informative message.
MM_NOSEV
      No severity level provided for the message.
MM_PRINT
      Display message on standard error.
MM_CONSOLE
      Display message on system console.

The table below indicates the null values and identifiers for *fmtmsg()* arguments. The
<fmtmsg.h> header shall define the symbolic constants in the **Identifier** column, which shall
have the type indicated in the **Type** column:

Argument	Type	Null-Value	Identifier
label	**char ***	(**char***)0	MM_NULLLBL
severity	**int**	0	MM_NULLSEV
class	**long**	**0L**	MM_NULLMC
text	**char ***	(**char***)0	MM_NULLTXT
action	**char ***	(**char***)0	MM_NULLACT
tag	**char ***	(**char***)0	MM_NULLTAG

The *<fmtmsg.h>* header shall also define the following symbolic constants for use as return values for *fmtmsg()*:

MM_OK
> The function succeeded.

MM_NOTOK
> The function failed completely.

MM_NOMSG
> The function was unable to generate a message on standard error, but otherwise succeeded.

MM_NOCON
> The function was unable to generate a console message, but otherwise succeeded.

The following shall be declared as a function and may also be defined as a macro. A function prototype shall be provided.

```
int fmtmsg(long, const char *, int,
    const char *, const char *, const char *);
```

The following sections are informative.

APPLICATION USAGE

> None.

RATIONALE

> None.

FUTURE DIRECTIONS

> None.

SEE ALSO

> XSH *fmtmsg*

CHANGE HISTORY

> First released in Issue 4, Version 2.

Issue 7

> This reference page is clarified with respect to macros and symbolic constants.

End of informative text.