MBOX$ - Display simple Message Dialogue Box

The MBOX$ routine can be used to display a simple Windows Message Dialogue Box with standard Microsoft buttons. The dialogue box is displayed using the standard Windows MessageBoxEx API call.

1.   Invocation

To display a simple message box code:

```
CALL MBOX$ USING mb text [timeout]
```

where *mb* is a control block of the following format:

```
01    MB
  02   MBLEN       PIC 9(4) COMP           * length of text to a max of 8000
                                           * If MBLEN is 0 then the text
                                           * is terminated by a byte of
                                           * LOW-VALUES
  02   MBTIT       PIC X(132)              * title to a max of 132
  02   MBBTN       PIC 9(2) COMP           * Button combination
                                           * 1 Abort, Retry, Ignore
                                           * 2 OK only
                                           * 3 OK, Cancel
                                           * 4 Retry, Cancel
                                           * 5 Yes, No
                                           * 6 Yes, No, Cancel
                                           * 7 OK only (with timeout)
  02   MBICON      PIC 9(2) COMP           * Icon style
                                           * 1 Exclamation
                                           * 2 Information
                                           * 3 Question
                                           * 4 Stop
                                           * (this is don't care if MBBTn = 7)
  02   MBDEF       PIC 9(2) COMP           * Default button number (1 - 3)
                                           * or 0 for none
                                           * (this is don't care if MBBTn = 7)
  02   MBRTN       PIC 9(2) COMP           * Returned function
                                           * 1 OK
                                           * 2 Yes
                                           * 3 No
                                           * 4 Cancel
                                           * 5 Abort
                                           * 6 Retry
                                           * 7 Ignore
```

text is a zero-terminated text-string; and timeout is a PIC 9(4) COMP field, or literal, specifying the time-out period in seconds (for MBBTN = 7 only). The default time-out period is 10 seconds.

2.   STOP Codes and Exception Conditions

The following STOP codes may be generated by MBOX$:

STOP code	Description
14201	MBOX$ has been called by an application that is not running on GX

14202	The supplied MBDEF value was not between 1 and 3; or the supplied MBBTN value was not between 1 and 6; or the supplied MBICON value was not between 1 and 4

The following EXIT codes may be returned by MBOX$:

EXIT code	$$COND	Description
14202	2	An internal error has occurred (MBOX$ was unable to allocate a temporary data page; or total command block length is more than 8Kb)

3.   Programming Notes

MBOX$ is only available when running on GX. Any attempt to use MBOX$ on a non-GX terminal will result in a STOP code.

The value of the button selected by the operator is returned in MBRTN.

MBOX$ can only be used to display a Message Box with standard Windows buttons. The MBOXX$ sub-routine (eXtended MBOX$) must be used to display a Message Box with customised buttons.

The time-out option (MBBTN = 7) is only supported on GSM SP-9 (GSM V8.1X), or later. Furthermore, this option is only supported on GX V2.7, or later.

4.   Examples

[EXAMPLES REQUIRED]

5.   Copy-Books

See copy-book "x$" in copy-library S.SYS32. Note that this copy-book **MUST** be expanded using a SUBSTITUTING clause. For example:

```
COPY "x$" SUBSTITUTING "MB"
```

6.   See Also

MBOXX$ Display extended Message Box Dialogue