

TXGUI\$ - Display Windows Comment/Text Edit Dialogue

The TXGUI\$ routine is available to generate a Windows-style Comment/Text Editor dialogue box. This function can only be used by Speedbase applications.

1. Invocation

To display a Windows Comment/Text Edit Dialogue code:

```
CALL TXGUI$ USING ee text
```

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

```
01  EE
02  EELLEN      PIC 9(4) COMP    * Length of lines in text area
02  EELINE      PIC 9(4) COMP    * Start line of text area
02  EECOL       PIC 9(4) COMP    * Start column of text area
02  EEDEEP      PIC 9(4) COMP    * Total number of text lines
02  EEWDEP      PIC 9(4) COMP    * Text window depth
02  EECAPT      PIC 9(2) COMP    * Length of caption text
02  EECTXT      PIC X(30)       * Actual caption text
```

and *text* is the default (unformatted) text in the edit box. **Important note:** The size of *text* must be at least as large as EELLEN * EEDEEP otherwise unpredictable results will occur.

2. STOP Codes and Exception Conditions

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

STOP code	Description
24901	One of ELLEN, EELIN, EECOL, EEDEEP or EEWDEP are zero.
24902	EELLEN is too large.
24903	EELINE is too large.
24904	EECOL is too large.
24905	EEDEEP is too large.
24906	EEWDEP is too large.
24907	EECAPT is too large.

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

EXIT code	\$\$COND	Description
24903	3	TXGUI\$ has been called on a client that is not running GX (or GSMWIN32.EXE)
24904	4	The returned characters would overrun the text buffer.

3. Programming Notes

TXGUI\$ is available to provide a window version of TXEDT\$ when running on GX (or GSMWIN32.EXE).

4. Examples

[EXAMPLE REQUIRED]

5. Copy-Books

None.

6. See Also

TXEDT\$ Display Text Edit Box

3. TXGUI\$ - Generate a Comment Editor dialogue box

3. TXGUI\$

TXGUI\$ interface to GSMWIN32.EXE using a "GUI-1 escape sequence".

A number of extensions to GSMWIN32.EXE (released in GSMWIN32.EXE V3.3b) were required for TXGUI\$ to be genuinely useful:

1. The window was changed from variable size to fixed size in order to emulate the fixed line length interface of TXEDT\$. Note that the window depth is also fixed;
2. GSMWIN32.EXE never returns more than the total number of lines contained in the edit control;
3. The <ESCAPE> key is recognised by the edit control and aborts the edit window just as though the Cancel button had been clicked;
4. There was a problem in the word-wrapping algorithm where the last word on the line exactly fits the line. The edit control stores an extra SPACE character at the end of each line. This caused the line contents to move relative to the start of the block. This was fixed by modifying GSMWIN32.EXE to only return the requested line length for each returned line so that the extra

SPACE added by the Edit Control do not interfere with the next line of text.

Screen type	TXGUI\$ results
"dumb" serial screen	STOP 24903
GSMWIN32 and \$.712 etc.	STOP 24903
GSMWIN32 and \$.711 etc.	Standard Windows Edit Control
GX (i.e. \$.911)	Appears in Window-Zero