

FILBR\$ and TXGUI\$

1. Introduction

This document describes two new sub-routines that interface with low-level GUI-1 functions to provide additional functionality to Speedbase programs.

The FILBR\$ routine is now available to generate a File Browse dialogue box. This function can be used by both Speedbase and Cobol programs. Both 32-bit and 16-bit versions of this sub-routine are available.

The TXGUI\$ routine is now available to generate a Windows-style Comment/Text Editor dialogue box. This function can only be used by Speedbase applications. Both 32-bit and 16-bit versions of this sub-routine are available.

2. FILBR\$ - Generate a File Browse dialogue box

This routine is called as follows:

```
CALL FILBR$ USING fiblock filefilter
```

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

```
01    FI
02    FIFLG1 PIC 9(2) COMP      * 1ST FLAG BYTE
                                   * 0 = "Open" file dialogue box
                                   * 1 = "Save as" file dialogue box
02    FIFLG2 PIC 9(2) COMP      * 2ND FLAG BYTE
                                   * 0 = Return full path name
                                   * 1 = Return file name
                                   * 2 = Return directory name
                                   * 3 = Return file name, <CR>,
                                   *      and <directory>
02    FILENG      PIC 9(4) COMP      *LENGTH OF FILE FILTER TEXT
```

and *filefilter* is the text used as the file type filter which must be of the format:

descriptive text (.ext)*

For example, "Text files (*.txt)", "CSV files (*.csv)" etc. Note that the supplied file extension is used as the default file extension.

Note also that the file extension is only returned as part of the reply string if FIFLG2 is set to 0. If FIFLG2 is set to either 1 or 3 the filename **without** the file extension is returned.

This function returns the selected filename/pathname back to the host so must be followed by an ACCEPT operation (or 2 consecutive ACCEPT operations, if FIFLG2 = 3).

The following exception is returned:

EXIT 24902 Not running on Global terminal emulator screen

The following emulators and TAP combinations may be used:

<i>Emulator & TAP combination</i>	<i>Comments</i>
GSMWIN32.EXE/GLOBAL.EXE with GUI TAP	FILBR\$ supported
GSMWIN32.EXE/GLOBAL.EXE with text TAP	FILBR\$ supported
GSMCONS.EXE/GLCONS.EXE	EXIT 24902
Other	EXIT 24902

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

This routine is called as follows:

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	EECPAT	PIC 9(2) COMP	* Length of caption text
02	ECTXT	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.

THIS ROUTINE CAN ONLY BE CALLED ON A GUI SCREEN WHEN RUNNING IN SPEEDBASE MODE.

On return, if the operator clicked the "Cancel" button a value of #1B is \$SET and the *text* block is unaltered; if the operator clicked the "OK" button a value of #0D is \$SET and the *text* block is updated automatically.

The following exceptions are returned:

EXIT 24903 Not running on a GUI screen
EXIT 24904 The returned characters would overrun the text buffer

The following STOP codes may occur:

STOP 24901 EELLEN, EELIN, EECOL, EEDEEP or EEWDEP are zero
STOP 24902 EELLEN too large
STOP 24903 EELINE too large
STOP 24904 EECOL too large
STOP 24905 EEDEEP too large
STOP 24906 EEWDEP too large
STOP 24907 EECAPT too large

The following emulators and TAP combinations and screen display modes (i.e. Speedbase or Cobol) may be used:

<i>Emulator & TAP combination</i>	<i>Mode</i>	<i>Comments</i>
GSMWIN32.EXE/GLOBAL.EXE with GUI TAP	Speedbase	TXGUI\$ supported
GSMWIN32.EXE/GLOBAL.EXE with GUI TAP	Cobol	TXGUI\$ not supported
GSMWIN32.EXE/GLOBAL.EXE with text TAP	Either	EXIT 24903
GSMCONS.EXE/GLCONS.EXE	Either	EXIT 24903
Other	Either	EXIT 24903