GXGBP$ - Set Group Box Parameters

The GXGBP$ routine can be used to hide, show and change the text of a Group Box.

1. Invocation

To modify a Group Box code:

```
CALL GXGBP$ USING sg text
```

where *text* is a LOW-VALUES terminated string which specifies the replacement text of the Group Box and *sg* is a control block of the following format:

```
01   SG
  02  SGVERS      PIC 9(4) COMP          * Block Version Number (must be 1)
  02  SGCOL       PIC 9(4) COMP          * Column number of target Group Box
                                         * (or 0 to identify Group Box Number
                                         * (mode)
  02  SGLIN       PIC 9(4) COMP          * Line number of target Group Box
                                         * (or Group Box number if SGCOL=0)
  02  SGFLAG      PIC 9 COMP             * Show flag (0=Hide Box; 1=Show Box)
```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by GXGBP$:

STOP code	Description
14418	GXGBP$ has been called by an application that is not running on GX.
14419	Invalid Block Version Number (SGVERS is not 1).

The following exception conditions may be returned by GXGBP$:

EXIT code	$$COND	Description
14405	5	Insufficient memory to complete the operation

3. Programming Notes

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

GXGBP$ can only be used to update the text of, or hide completely, a Group Box created using the BOX construct:

BOX *line col width depth* [*heading*]

GXGBP$ **cannot** be used to create a new Group Box on the fly.

Because Group Boxes are not uniquely defined by an index number the *line, col* co-ordinates defined in the BOX statement must be used to identify the target box for the GXGBP$ call (in SGLIN & SGCOL, respectively). However, note that the co-ordinate matching may not be exact and some trial & error may be required to determine the SGCOL & SGLIN values that identify a particular target Group Box.

Note also, if a Speedbase window is stretched the co-ordinates of the Group Box(es) may change which makes the original interface very difficult to use with any certainty. A revised interface, supported by GX V4.7c, or later, (see below) is far superior.

3.1 Improved interface supported by GX V4.7c, and later

Although all versions of GX continue to support the somewhat "hit and miss" co-ordinate interface (i.e. where the *line, col* co-ordinates are passed in the SGLIN & SGCOL variable), GX V4.7c, and later, support an improved, more precise interface. Note that no changes to the GXGBP$ sub-routine in the BO$GXM System DLM were required.

The improved interface allows the Group Box number to be defined with complete confidence. To specify the new interface set SGCOL to 0; and SGLIN to the number of the target Group Box. The Group Boxes are numbered from top-left to bottom-right across/down the Speedbase Window. This numbering system does **not** change if the window is stretched; and will only change if Group Boxes are added to/removed from the Window Definition.

4. Examples
[EXAMPLE REQUIRED]

5. Copy-Books
None.

6. See Also
Gxboxes.doc   The BOX Clause and GX Group Boxes