

NEW FEATURES IN GSM SERVICE PACK 40

1. Introduction and Overview

Global System Manager V8.1 Service Pack-40 (GSM SP-40) includes several new features and enhancements to GSM SP-39 (and GSM SP-38 to GSM SP-1; and Global System Manager V8.1 revision V8.11).

GSM SP-40 can only be applied to GSM SP-35, or later.

The GSMSP40 installation job checks that no members of libraries P.\$CMLB0, P.\$CMLB1, P.\$CMLB2 and P.\$CMLB3 are held as stand-alone files on SYSRES. If a \$-command is found both inside a command library and as a stand-alone file on SYSRES the “stale” version is deleted. For example:

```
Analysing SYSRES for members outside libraries...
Library member $STARX    should not be on SYSRES, key <CR> to delete
```

2. Summary of Changes

Changes to GSM Run-Time and Start-Up

A problem with the \$STARD GSM Start-Up overlay when an Authorisation Program is **not** configured in \$CUS. The problem causes random TRAPs to occur in the \$DLMEXEC overlay. The debug information will be suppressed if the login is attempted using GX so the user will typically just report a failed connection; and subsequent attempts to reconnect with GX will fail unpredictably;

A problem in the 32-bit version of \$STATUS, \$32STAT, which results in a STOP 25593 if an attempt is made to go past the end of the available printers list, has been fixed;

\$BBS has been enhanced to improve the error handling when a problem with the Windows file is detected. In particular, the full 32-bit Windows Error Code is displayed when a file error condition occurs;

In addition, \$BBS has been enhanced to provide an option to only export files with the current date;

The \$SRCH32 utility has been enhanced to support a new “PG” mode which suppresses the automatic page-break inserted between reports;

A new utility \$CREATE is now available to execute a Windows program on the Global Server. \$CREATE is a replacement for SHCMD\$ and is essentially a “wrapper” around the 32-bit CPROC\$ sub-routine. See cproc\$.doc for full details;

The \$LIST utility has been enhanced to provide an option to display the File List in reverse order. In addition, the problem \$LIST that results in an Overflow when a file record length is higher than 9999, has been fixed;

The \$STATUS “RES” command has been enhanced to write a record to the Event Log File;

The \$AUTH32 utility has been enhanced to delete all the linked servant records associated with an Authorisation Point. In addition, when \$AUTH32 is started any “orphaned” UA (User Authority) records which do not have an SU (System) record, are deleted.

Changes to 32-bit Sub-Routines

A problem in the BA\$GEX DLM that can result in an Illegal Opcode at #23FE has been fixed;

A new 32-bit subroutine, B\$DIC2, is now available for DBX Speedbase Data Dictionaries. See document b\$dic2.doc for full details;

The 32-bit B\$STB sub-routine has been enhanced to operate on DBX Speedbase databases. See document b\$stb.doc for full details;

The 32-bit B\$D-RN(XT) sub-routine has been “deactivated” by always returning a STOP WITH 1. Previous versions of this routine did not function correctly and the change has been made to ensure this routine is not called inadvertently. See document b\$d-rn.doc for further details;

The 32-bit B\$D-WR(ITE) sub-routine has been enhanced to function correctly on DBX Speedbase databases. In addition, the record data is now prefixed by a 2-character record-id. See document b\$d-wr.doc for further details;

A new 32-bit sub-routine, EXPIR\$, is now available to return the Speedbase Expiry Date;

The LTAM Access Method (OR\$83L) has been enhanced to ensure that Read operations never return a #0A character in the data block.

Changes to the Development System

The 32-bit compiler, \$COMPILE, has been enhanced to support the new “ULT” option on the PF construct. The “ULT” option directs GX V4.9j, or later, to only underline for the actual width of the text-string (i.e. rather than underlining for the entire width of the text-block);

The 32-bit compiler, \$COMPILE, has been enhanced to support the new “CTR” option on the PF construct. The “CTR” option directs GX V4.9j, or later, to centre the field;

The \$DXDCT utility has been enhanced considerably to provide a number of extra options to:

- Convert all PIC DATE fields to PIC 9(6) C
- Prefix all field-names by the 2-character record-id
- Prefix the first field in a record by a line containing 01 *rec-id*
- Add a line containing the PIC X(2) record-id field before the first field in a record
- Add a line containing PIC X(4) FILLER after the last record-id field for Master records.

All combinations of the five new options are allowed;

The \$GSPMAKE utility has been enhanced to remind the creator of an application service-pack that they may have to create a new Global-3000 Authorisation Point;

The \$SDECUS utility has been enhanced to support a new customisation to enable the use of the GX mouse with \$SDE32.