

July 7th, 2009

BIM-FAQS/PCS 5.3E Release (BP53140)

Enclosed herewith is a BIM-FAQS/PCS Release 5.3E tape and manuals.

New For This Release

- Further enhancements for the support of duplicate Event names. Particularly when there are a large number of Events associated with a large number of Successors, DSN, or GVARs.
- PEND/PAST status Events will no longer be pulled during a TAPEPULL (JCLEVENT).
- With the T:/T= feature the complete Event is now part of the total Event Duration when using the PCSEVRP LASTDUR keyword.
- The VENDOR EXIT has been cleaned up for the BIM-FAQS/PCS entry.
- The PTF release is now incorporated in the product release number – 5.3A-40
- Several PCS only features of GSS REXX have been separated out to prevent use if not a BIM-FAQS/PCS user.
- Enhancement to allow PSWD to be placed on a BIMEDIT member. B=BIMEDIT
M=SAFEJCL,PSWD=SYSPRG. This can be placed directly on the Event command line.
- Cleaned up the report headings for the \$EVTFORC reports.
- All Known 5.3D patches have been applied

New For 5.3D Release

- This release of BIM-FAQS/PCS has support for duplicate Event names within different event Groups. Thus it is now possible to have an Event name of BACKUP in both Group DAILY and Group MONTHLY.
- New parameter SUCC GROUP in the SEVT command, in the utility PCSEVRP. This allows for the Successor Group to be displayed.
- Support for z/VSE 4.2.

New For 5.3B Release

- This release of BIM-FAQS/PCS has support for interfacing with the **SMA OpCon/xps** scheduler. See the BIM-FAQS/PCS Implementation Guide for further details.
- During the CMS install the BFQP53B.A member in the Install library needs to be punched to CMS. Change the name to BFQP53A TXTLIB. Then in the BIMFQPLN Exec change the occurrences of BFQP53A to BFQP53B. Then Execute the BIMFQPLN Exec to build the DCMSYSE LOADLIB and other BIM-FAQS/PCS Modules.
- All Known 5.3A patches have been applied

New For 5.3A Release

- **This release of BIM-FAQS/PCS now uses the prefix of CSS\$ for the PDS names. Was SYS\$.**
- Moved the BIM-FAQS/PCS Audit and Accounting file from the CSS\$VIO PDS to the CSS\$LOG PDS. It is strongly recommended that a BIM\$ADUT, BIM\$ACUT and BIM\$DSUT MERGE be done prior to the install of 5.3A, using your current release of BIM-FAQS/PCS. Increase the size of the CSS\$LOG PDS using BIM\$PUTL to BACKUP/FORMAT and

RESTORE then copy the LAC*.CTL members to the CSS\$LOG PDS using the online PCS U panel. The LAC*.CTL members on the CSS\$VIO can then be deleted. Once deleted the CSS\$VIO PDS can be decreased in size if required, using BIM\$PUTL to BACKUP/FORMAT and RESTORE. The old merge tapes will continue to merge with the new files using the new release utilities.

- The WHEN MSG now supports mixed case characters as the message trigger
- WORK/DATA Stations now have a separate audit record for updates/replaces. It will show up as 'UPD STN' rather than 'REPLACE'. There is a new GSOP code ('56') for searching these types of records in the BIM\$ADUT utility. The Online display will access these fields using 'REPLACE' or 'UPDATE' options as the selection criteria. (PCS A panel).
- Improved support for BIM-FAQS/PCS User under SPRI.
- \$SECDSP Imod written to display PCS security as a batch report. Uses BIM\$RXBA.
- Support for the new BIM-FAQS/CALL 1.0A.
- All Known 5.2D patches have been applied

New For 5.2D Release

- In JCLEVNT, the OCC occupancy report will now indicate whether an Event is multi-occurring or not.
- Support for co-existence with CA-GSS 5.0.
- All known 5.2C patches have been applied.

New For 5.2C Release

- Major improvements to the interface between BIM-ALERT/VSE and BIM-FAQS/PCS security. Very little setup is required as it is done automatically. If you have BIM-ALERT/VSE active BIM-FAQS/PCS will attempt to use any BIM-ALERT/VSE security setup. See the BIM-ALERT/VSE Installation and Operations Guide for details of setting up Member and Event security with in BIM-ALERT/VSE. This is for BIM-ALERT/VSE 5.1C users .
- Support for the POWER SEC parm added. Users of BIM-ALERT/VSE 5.1C should check the JCLJAUTO.CTL member to not include the // ID card.
- Support for VSE/ESA 2.7.
- Msgs from the product code check have been enhanced to display when less than 30 days before being expired.
- Correct calculation displays for PDS statistics (PCS M.S panel).
- Events created online now show as ADD in the audit trail rather than REPLACE.
- A new msg has been set up for 'GJJ844W EVENT eeeeeee HAS ABENDED' which has been changed to msg number 'GJJ905W EVENT eeeeeee HAS ABENED'. This allows for the independent use of the msg. For example, msg triggering.
- All known 5.2B patches have been applied

New For 5.2B Release

- The PCSEVBR utility has been enhanced to allow for Backup and Restore of the Current Event File. This is done with a new parm FILE=CURRENT on the BACKUP and RESTORE cards. (A separate backup is required to that of the Master Event File.) See the BIM-FAQS/PCS Operations Guide for further details.
- &RESETRES cmd now resets ALL PCS resources as documented.
- Added documentation for the \$RSTRT IMOD. See the BIM-FAQS/PCS Operations Guide.
- Improved documentation for the \$EVENT IMOD. See the BIM-FAQS/PCS Operations Guide.
- JCLXCU has been enhanced so that it will not cancel the IPL if the Prod Code is invalid etc. (During the Enable of BIM-FAQS/PCS Exits).
- Allow the use of TOP,DO nn, UP nn & BOT cmds on the Event Maintenance Screen. (For Events sorted in Event name order. Using these cmds will default back to the Event name order.)
- New cmd to allow Events on the Event Maintenance Screen to display a specific day. E.G. Multiple days on the Current Event File using the new cmd 'DAY xxx' where xxx is an Event day, all the Events for that day will be displayed. Useful when checking yesterdays Events I.E. DAY FRI will show just the FRI Events. See The BIM-FAQS/PCS Operation Guide for more details.
- Support for the USER=parm to change the default UserID in BIM-FAQS/PCS. See the BIM-FAQS/PCS Operations Guide.
- Improved the use of NOTES on REQUEST type of Events. The submitter can now add new notes to the Event as it is requested, and still be able to see the original note if there were any. See the demand (O) panel when REQUEST type Events.
- All known 5.2A patches have been applied.

New For 5.2A Release

- Support for 'MSG pp,DATA=xxx' in JCLSCHEd.
- Fast-path access to the Current Event File has a new parameter for displaying of Events qualified by Event status. I.E. PCS C E=PAY* S=ABND - will display all the PAY* Events with a status of ABND.
- Support for BIM-FAQS/PCS to track Events for other platforms for scheduling purposes. This requires a batch interface into the other platform. I.E. FTPBATCH. See the BIM-FAQS/PCS Operations Guide for further details.
- All known 5.1B patches have been applied.
- Help for CYCLE keywords has been reworded to clarify their meanings.

New For Release 5.1B

- The 'Last set by' field in the PCS V (GVAR panel) now shows the Job name of the GVAR's updated by JCL. (Used to be \$JOBEXIT).
- Improved messages from JCLSCHEd to inform of when Events are being &EVLOAD'ed and when the &EVLOAD has completed. (Also improved for the &EVRLOAD and auto load).
- Alternate MSHP History files can now be dynamically viewed (PCS M - Utilities panel).
- A new parm - RESET - has been added to the \$RSTRT IMOD. This allows Events that may have abended, to be re-set and flag all it's dependencies so that that schedule can continue. Useful if the Event is not restarted but the Event needs to be set to Complete.

Example: \$RSTRT evtname RESET

- On the CURRENT EVENT Maintenance panel (PCS C) a new command has been setup to allow timed re-display of the panel. Thus status changes can be seen in real time.

Example: On the Event command line: TIMER nn/OFF

Where: nn = number of seconds for re-display, min 5

- Status highlights added to EVENT MAINTENANCE Panels. (PCS C & PCS E)
- All known 5.1A patches have been applied.

New for Release 5.1A

- WORK/DATA Stations can now be accessed via Event/ Group name.

PCS W E=eventmask G=groupmask

- DATA Stations now support User defined Help. Help Text can be added to the Data station for enhanced usability. The panel is a free form panel similar to that of the define of the Data station.
- There is a new IMOD that will allow users to demand Events based on CPU ID rather than just Event/Group name:

\$DMCPU eventmask cpuid

Where CPUID is CPU Id defined on the Event i.e. if Synonym then VSEPROD if number then 078552.

- A message is now produced on the console to indicate that an Event has abended. Similar to the LATE and ABORT message (GJJ844)
- The BIM-EDIT system name can now be an overridden on the Event command, a PCS system default (PCS O.I), or changed via a patch to the JCLBIME phase (see JCLBIMNM.MON on the MON PDS). It is highly recommend that you use the command or system override rather than the patch!

On the Event command line:

B=lib S=sysname m=member

On the PCS O.I panel specify the default BIM-EDIT system name to use.

- JCLRCICS & JCLRTASK now support the new TS 1.1 (Transaction server).
- Corrected a problem when an Event is created from within an event definition panel (PF5 NEW) that the Exclusion was kept from prior Event. The Exclusion is now cleared out correctly.
- Corrected a problem where HOLID & CYCLES were being created with a value greater than 255. The panels have changes to no longer allow HOLID & CYCLES to be created with a value greater than 255.
- The JCLSCHEM.CTL startup file now allows for comments to be part of the file, without producing error messages.
- PCSEVBR currently does not support BIM\$PUTL (GSPDSU) BACKUP tapes. Therefore you will be unable to do a PCSEVBR RESTORE from a BIM\$PUTL (GSPDSU) BACKUP. To circumvent this problem, do both the BACKUP and RESTORE using PCSEVBR.

Converting from a release prior to 5.1B

If you are upgrading from a level of BIM-FAQS/PCS 5.1B or higher you may skip this section.

- **Before starting the BIM-FAQS/PCS Install of Release 5.3A it is IMPERATIVE that a PCSEVBR BACKUP be run. This PCSEVBR BACKUP is required, or all your Events will be lost!**
- The install will FORMAT a new SYS\$EVT PDS, provided that it does not already exist. The SYS\$EVT will default to support 2048 Current Events. If you have more than this, or the SYS\$EVT PDS does already exist, you will need to run a BIM\$PUTL FORMAT. This should be run after the install of BIM-FAQS/PCS, but prior to the IPL. See below for syntax. Backup the Events using the PCSEVBR Utility.
- The FORMAT of the BIM\$PUTL Utility has a new parm, when formatting the SYS\$EVT PDS. The EVENTS= parm. This is the max number of Events expected on the CURRENT EVENT File. If this number is not large enough then the performance enhancements will not be implemented correctly. The default if no EVENTS= parm supplied is 2048. Max = 15000

Example:

```
// EXEC BIM$PUTL,SIZE=BIM$PUTL
FORMAT=EVT,EVENTS=3500,NDIR=120
/*
```

Note Once this Job has been run, the Current & Master Event files will be deleted. Backup the Event file using PCSEVBR. The SYS\$EVT PDS can not be shared with other non-51B releases.

- During the install of BIM-FAQS/PCS you may receive the following messages. These messages are normal and expected. No action is required unless 2048 Events are not enough. See above for more information on this and syntax.

```
GJJ499I EVENTS PARM INVALID/NOT SUPPLIED
GJJ499I USING DEFAULT OF 2048 EVENTS
```

- There has been a MAJOR change to the SYS\$EVT PDS - where the Event files are - in that the FORMAT of the BIM\$PUTL utility is the only supported function for the EVT PDS. The other functions like CORRECT/RESTORE/DEFRAG will destroy the EVT PDS if used. The ANALYZE will show errors in the PDS even though there are none.
- **The MASTER Event File MUST be backed up using the utility PCSEVBR prior to the install of release 5.3A.**
- Performance enhancements have been made to BIM-FAQS/PCS. The CURRENT EVENT File has been redesigned to make better use of DASD caching; particularly useful for the larger Event files.
- There is a new parm for the JCLXCU utility. This parm is used to build a table in system GETVIS (31bit) to hold an Event index to provide better performance in accessing the Current Event File. The parm can be placed in the ENABLE options during the BIM-FAQS/PCS initialization, or as a stand-alone parm. Using JCLXCU.

GETVIS required: ((32 bytes * # of events) + 32bytes) rounded up to next 4K

Note It is recommended that the parm be put in the ENABLE options of the initialization of BIM-FAQS/PCS.

Example:

ENABLE LOAD=N,EVENTS=nn,DSN=Y	(as an ENABLE option)
EVENTS nn	(as a stand alone option)

Where: nn = the number of events expected in the Current Event file. Max = 15000

Note It is important that this number be large enough to cater for all the Events that can be in the Current Event file at any one time.

Converting from a release prior to 5.1A

If you are upgrading from a level of BIM-FAQS/PCS 5.1A or higher you may skip this section.

- The BIM-GSS module names have been changed:

GSPDSU has been renamed to BIM\$PUTL.
 GSAUDIT has been renamed to BIM\$ADUT
 GSACCNT has been renamed to BIM\$ACUT
 GSDSN has been renamed to BIM\$DSUT

You will need to review and change the BIM-FAQS/PCS job streams that you use.

To assist in these name changes, the BIM-FAQS/PCS Utility JCLMAINT can be used:

```
// JOB JCLMAINT JCLMAINT SELECTIVE UPDATE JOB
// LIBDEF PROC,SEARCH=(BIM.PCSLIB)
// EXEC PROC=JCLMAINT
./ UPD *.JCL
./1,9999 'GSPDSU'='BIM$PUTL' < Change this line for each rename
./ END
/*
```

For more information see the BIM-FAQS/PCS Operations Guide Chapter 10-10. If your JCL is not on the PDS check your editor for a utility that does a global change.

- The CMS DCMO EXEC has been renamed to BCMI EXEC.

If you continue to use the DCMO EXEC that you currently have, make sure that the LOADLIB DCMCOMME is changed to BIM\$DLDB

- Due to changes in the BIM-GSS REXX compiler, you will need to compile all of your homegrown IMODS. This can be accomplished by editing and filing each IMOD, or via batch using batch routine BIM\$PUTL (GSPDSU). See the BIM-GSS User's Guide for details.

Converting from a release prior to 4.5.0

If you are upgrading from a level of BIM-FAQS/PCS 4.5.0 or higher you may skip this section.

All BIM-FAQS/PCS event information has been moved from the SYSS\$MON to the SYS\$EVT PDS. Due to this change it will be necessary to perform a conversion after installing this new release of BIM-FAQS/PCS. The procedure will include a backup of the SYSS\$MON PDS and a restore to the SYS\$EVT PDS using PCSEVBR. Only the master event file will be converted.

Following is the JCL necessary to perform the conversion:

Run the backup on the release you are coming from.

```
// JOB PCSEVBR
// TLBL PCSEVO,'PCSEVBR.BACKUP'
// ASSGN SYS010,TAPE
// LIBDEF PHASE,SEARCH=(bimlib.gss,bimlib.pcs)
// EXEC PCSEVBR,SIZE=PCSEVBR
BACKUP PDS=MON CLOSE=REW
/*
/ &
```

Run the restore on the new 5.1 release.

```
// JOB PCSEVBR
// TLBL PCSEVI,'PCSEVBR.BACKUP'
// ASSGN SYS010,TAPE
// LIBDEF PHASE,SEARCH=(bimlib.gss,bimlib.pcs)
// EXEC PCSEVBR,SIZE=PCSEVBR
RESTORE LIST=YES
/*
/ &
```

- BIM