January 14, 2002

## To: BIM-EDIT/VSE 5.2A-B. 5.3A and 5.4A users

Enclosed are the necessary materials to upgrade to BIM-EDIT 5.5A from BIM-EDIT releases 5.2A-B, 5.3A or 5.4A. This includes the following:

5.5A Tape or cartridge
5.5A Release Letter
5.5 System Reference Manuals
5.5 User Reference Manuals
5.4 Summary Reference Cards

Depending on which release of BIM-EDIT you are upgrading from, you will also receive one or more of the following release letters that describe the changes to each release:

5.4A Release Letter
5.3A Release Letter
5.2B Release Letter
5.2A Release Letter

**Pre-Installation Planning**

The following items should be considered before attempting to upgrade to release 5.5A of BIM-EDIT:

- Release 5.5A of BIM-EDIT will require more virtual storage than prior releases, particularly if you will be allowing users to use the increased session capabilities or REXX procedure support. You will want to review your current partition and BIM-EDIT definitions to determine if they need changing. If you are upgrading from release 5.4A of BIM-EDIT, you probably did this review during that installation or upgrade. **These steps must be completed before installing release 5.5A of BIM-EDIT!**

  1) First you should review the BIM-EDIT storage use by issuing a 'SHOW MMP' command in BIM-EDIT and making note of the values for the following fields:

     MMP16KSP this field contains the maximum number of 16K buffers that BIM-EDIT should attempt to allocate at startup.

     MMP16KDP this fields shows how many 16K buffers BIM-EDIT was able to allocate at startup.

     MMP16KMU this field shows the maximum number of 16K buffers used by BIM-EDIT. This value should be recorded at a time when the maximum number of users are logged on, and after BIM-EDIT has been up long enough that most functions will have been performed at least once.

  2) You will want to make sure that the difference between the value for MMP16KDP and MMP16KMU is at least as large as the maximum number of concurrent users ever logged on. BIM-EDIT will generally use one additional 16K buffer for each user logged on. For extra measure, you should strive for a difference between these two values of at least twice the maximum number of users logged on concurrently.

     If you don't have this number of unused 16K buffers, you will need to increase the allocation. If the values for MMP16KSP and MMP16KDP are the same, you will need to increase the value for MMP16KSP, cycle your BIM-EDIT system, and check it again to make sure the partition is large enough to allocate the additional buffers. If these two values are not the same, then your partition size is too small and its virtual size will need to be increased.

  3) Once the 16K buffer space has been allocated properly, you will then need to verify that enough partition GETVIS is available for the new DISPLAYC and MESSAGE commands.

     On the system console, issue a 'GETVIS pp' command, where 'pp' is the partition in which BIM-EDIT is running. You will want to make sure that the 'FREE AREA' size is at least 200K. If you plan on using the new REXX procedure support, you will need to have at least 1M of free GETVIS.

If you don't have at least that amount, than you will need to either allocate more virtual storage to the partition, or reduce the value defined for field MMP16KSP. (Don't reduce this value such that it leaves you short of 16K buffers as discussed in step 2 above.)

- Beginning with release 5.2A of BIM-EDIT, several changes were required to handle the years 2000 and above. These changes may affect BIM-EDIT procedures you have written, and any applications you may have that access BIM-EDIT using its Application Interface. The specific changes that were made are outlined in a help member "EDIT-52A" that will be available once you have installed this release. In general, any system variable or output display that contained a date will now contain a 4-digit year instead of a 2-digit year. The affected variables are: OPSDATE, SIBDATE, TXLDTCRE, TXMCKDTE, TXMDTCRE and TXMDTUPD. The affected output displays are: LIBRARY, LIBRARYL, LIBRARYQ and SHOW. The changes to the output displays resulted in shifting and reordering some fields. Any procedure or application that extracts fields from these displays will need to be reviewed. If you are already running releases 5.2A or above, you have already made the required changes.

- If you are using the product **BIM-EDIT/XP**, you will need to make sure that all of the PC workstations using that product have upgraded to release 1.6A or above of EDIT/XP. Older releases of EDIT/XP will not be able to logon to this release of BIM-EDIT. The newer releases of EDIT/XP will also function on earlier releases of BIM-EDIT.

- If you are using the product **BIM-PC/TRANSFER**, at release 1.5A or below, to either upload to or download from your BIM-EDIT database you will need to get fix #16790 from BIM to correctly handle the new LIBRARY command output format produced by this release of BIM-EDIT.

**Installation Check-List**

The following step-by-step instructions should be followed when upgrading to release 5.5A. These instructions will upgrade your current BIM-EDIT library to a 5.5A system. Specific steps have been included to provide a backout path if problems should occur.

This process could also be done from a copy of your current BIM-EDIT library, however, using a copy of your library will introduce synchronization problems if your production library is being updated during this conversion.

1. Review the enclosed release letters (5.5A, 5.4A, 5.3A, 5.2B, 5.2A) for potential impact on your system.

2. Perform a logical backup (BACKUPG) using your current release.

   **This is a very important step, particularly if you are migrating from a release of BIM-EDIT prior to 5.4A. The file format changed in release 5.4A. The format conversion will occur the first time release 5.5A is brought up. Once the conversion has been made, you will NOT be able to bring up your prior BIM-EDIT release without first restoring from this backup!**

3. Shut down your current BIM-EDIT system (SHUT).

4. Install 5.5A by performing installation steps 2 through 4 as documented on pages 371-372 of the System Reference Manual. If you cannot install the phases for this release into new VSE libraries, then you must ensure that a backup is available of your current BIM-EDIT phases, and that you have the means to restore this backup, with BIM-EDIT 'down', in case a backout is required.

5. Start up 5.5A. Extreme caution should be used here. Ensure that there are not any BIM-EDIT phases from your prior release that are somehow accessible to the 5.5A system. This includes any phases that were customized and assembled, e.g., exit routines, and batch and CICS BIM-EDIT phases such as BIMUTIL, BIMCSCL, etc.

   **If you are migrating from a BIM-EDIT release prior to 5.4A, several conversion messages will occur during the first startup of this new release. Once the conversion has been made, you cannot go back to your prior release of BIM-EDIT without first restoring your BIM-EDIT library using the backup created in step 2.**

   (Note: At this point, messages may be out of sync, i.e., the message table contains prior release messages. Don't panic if a particular message makes no sense -- you'll be loading the 5.5A messages shortly.)

6. Restore the 5.5A system libraries by submitting a job similar to the following:

```
// JOB RESTORE
// TLBL BIFLOG
// ASSGN SYS004,TAPE
// PAUSE MOUNT BIM-EDIT 5.5A DISTRIBUTION TAPE
// MTC FSF,SYS004,2                              ← MTC FSF value has changed
// EXEC BIMUTIL,PARM='SYSTEM=BIMEDIT'
LOGON $SYS,$SYS
RESTOREL $SYS.CTRL
RESTOREL $SYS.DEMO                    ;(Optional - Demo Facility)
RESTOREL $SYS.DOC
RESTOREL $SYS.HELP  PURGE=YES
RESTOREL $SYS.JCL
RESTOREL $SYS.MAINT
RESTOREL $SYS.MODEL
RESTOREL $SYS.PROC
RESTOREL $SYS.SRC   PURGE=YES
RESTOREL $SYS.UDP   PURGE=YES         ;(Optional - User Developed Procedures)
/*
/&
```

7. Update the message table by entering the following command:

```
=> newcopy messages
```

   Messages are now in sync.

8. **Ensure that your old system cannot be started by accident. If you must revert back to your old system, it will be necessary to perform a logical restore from the logical backup tape created in step 2.**

9. Make a logical backup (BACKUPG) of your new BIM-EDIT 5.5A BIFLIB now. Do not reuse the BACKUPG tape set created in step 2. After running this BACKUPG, you will have two logical backup tape sets, a final set from your prior BIM-EDIT release (created in step 2), and this one for 5.5A.

   The 5.5A logical backup is extremely important. While BIM-EDIT 5.5A will allow selective library/member restores from any backup tapes, it will <u>not</u> allow a full system logical restore from a tape created prior to release 5.4A. Therefore, take whatever precautions are deemed appropriate here. If an additional logical backup is needed for offsite storage, take it now.

10. If you have customized any BIM-EDIT modules, you will probably want to do the same with the 5.5A modules. All customized modules must be reassembled using the 5.5A record descriptions and equates.

11. If you are using the “Archive and Recover” feature of BIM-EDIT, you need to remove and re-install it for this release of BIM-EDIT. Refer to Chapter 7. BIM-EDIT Installable Features in the BIM-EDIT System Reference Manual.

12. If you are upgrading from a release of BIM-EDIT prior to 5.3A, and you use the “Archive and Recover” feature, you must execute the procedure BIPGNCNV to convert the archive libraries to a new naming convention that began with release 5.3A.

If you have more than 10,000 archived members, you will need to increase the value in the'SET PPDLPLMT' statement in procedure BIPGNCNV to be at least as large as the number of archived members.

Enter the following command to perform the conversion:

```
=> ex $sys.proc.bipgncnv
```

13. If you are running Software Pursuits SPRI, you will need to reactivate the SPRI interface in BIM-EDIT using the INSTALL procedure.

    If you have the "IBM INSTALL/SERVICE feature" of BIM-EDIT installed, you will need to select “BIM-EDIT Feature Installation/Removal” from the first panel returned.

    Select “Software Pursuits SPRI Spooling” to activate the SPRI interface.

14. The ability to transfer control to CICS from the BIM-EDIT command line has changed from and assembler language module to a BIM-EDIT member. A procedure is provided to convert a site customized BIFXCTR to the new $SIT.CTRL.CICSCMDS member.

    To convert your BIFXCTR member to the new $SIT.CTRL.CICSCMDS member, execute BIM-EDIT procedure BIPCVXT specifying the name of your current BIFXCTR CICS commands member:

    ```
    ex $sys.proc.bipcvxt  your.bifxctr
    ```

    After running this conversion procedure, you can activate the new CICS command table by issuing the following BIM-EDIT command:

    ```
    newcopy cicscmds
    ```

**- BIM**