

TS558

Addendum to the Installation Instructions and System Manager's Guide for the SAS[®] System under MVS, Release 6.09 Enhanced, TS460 and above

This document is an addendum to the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*. It contains instructions for installing the SAS System TS460 maintenance files. Whether you are installing Release 6.09 Enhanced of the SAS System for the first time, adding an additional SAS System product, or specifically installing maintenance files, SAS Institute recommends that you utilize the information in this addendum to unload the most current maintenance and enhancements for Release 6.09 Enhanced of the SAS System.

Identifying the Contents of Your Media

Before you can proceed with the installation process, you must identify the contents of your media. Complete the following steps:

1. Unload the CNTL data set using the IEBUPDTE job as described on Page 17 in "Unloading the Installation Jobs - Run IEBUPDTE," in Part 2, "Installing the SAS System," in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*.
2. Edit the #CONTENT member of the CNTL data set. This member contains information about your installation media, as well as instructions on unloading your software.
3. Find the following line in the #CONTENT member:

```
This tape contains the following products and/or maintenance
files:
```

A list of products usually follows this line. However, if you see only:

```
MAINTENANCE FILES: to upgrade your new or existing system to
TS460
```

then you have maintenance-only media. Skip to the section "Upgrading Your Currently Licensed Products to TS460 or Installing Supplemental Maintenance" later in this document. If you see this line *and* a list of products, continue to the next section.

Installing the SAS System, Release 6.09 Enhanced for the First Time at TS460 or Adding a New SAS System Product at TS460

Whether you are installing Release 6.09 Enhanced of the SAS System for the first time or adding a new SAS System product, you should add the following step to the installation process documented in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above* to upgrade your Release 6.09 Enhanced SAS System to TS460.

Follow the installation process as documented in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above* until you get to Page 18, "Specifying Installation Parameters," in Part 2, "Installing the SAS System". In this section, you are instructed to edit the SASEDITP member of your CNTL data set. While editing this member, specify the text string `INSTALL@TS460=X` (in uppercase) anywhere in SASEDITP. Although it can be specified anywhere in the member, it *must* be in uppercase. If you do not add this text string in SASEDITP, the SAS System will install at TS450.

Continue with the installation process as documented in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*.

Note: If you are adding a new SAS System product and your BASE SAS System is *already* upgraded to TS460, you do *not* have to add the `INSTALL@TS460=X` text string to SASEDITP. The installation process will detect a BASE system currently running at TS460 and your new system will automatically install at the same TSLEVEL.

Note: If you are adding a new SAS System product and your BASE SAS System is currently at TS455, you *must* add the `INSTALL@TS460=X` text string to SASEDITP. Failure to add this text string will generate a system running mismatched maintenance. This type of installation is not supported and will result in spurious abends, looping situations, and other unpredictable results.

Upgrading Your Currently Licensed Products to TS460 or Installing Supplemental Maintenance

If the media in your package contains only maintenance files and usage notes or you want to install supplemental maintenance, follow the steps below:

1. Unload the CNTL data set using the IEBUPDTE job documented on Page 17 in "Unloading the Installation Jobs - Run IEBUPDTE," in Part 2, "Installing the SAS System," in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*.

2. Edit the SASEDITP member of the CNTL data set created in Step 1 above.

Follow the steps for editing instructions as documented on Pages 18 through 24 in "Specifying Installation Parameters," in Part 2, "Installing the SAS System," in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*. It is recommended you perform an Action C installation process. See "Choosing a Primary Installation Action," in Part 1, "Preinstallation Checklist" for a description of the actions. Once you have specified your installation parameters, proceed with the next step.

Note: Only Action B or Action C is available.

3. Edit the SPKEYLST member of the CNTL data set. To upgrade your currently licensed products to TS460, add the keywords 460SUPLMAINT and USAGENOTES (*both in uppercase*) to this data set following instructions in the SPKEYLST member.

To install the SAS/C transient library, add the additional keyword V6TRANSLIB.

4. Edit the MAKESUPL job in the CNTL data set. Modify the job card per your site specifications *and* follow the editing instructions in the comments of the MAKESUPL member.
5. Run the MAKESUPL job.

Note: The MAKESUPL job needs exclusive access to the CNTL data set. You should back out of the CNTL data set after submitting MAKESUPL.

6. Upon successful completion of the MAKESUPL job, a SASISUPL member is created in the CNTL data set. This job is customized by your editing parameters in SASEDITP and the execution of MAKESUPL. Submit the SASISUPL job to install TS460 maintenance to your system.

Note: The SASISUPL job needs exclusive access to the CNTL data set. You should back out of the CNTL data set after submitting SASISUPL.

7. After SASISUPL completes, a new SAS clist and SAS procedure are created in the CNTL data set. The SAS clist is stored in member BACLST01. The SAS procedure is stored in BAPROC01. The new clist and procedure will execute the SAS System at TS460. Use these to test your upgraded system either in interactive or batch mode, respectively.

Post-Installation Step

If you are upgrading your SAS System installation from an earlier TSLEVEL to TS460 and you have set SAS System options by assembling the DEFAULT OPTIONS TABLE using the BAOPTS1 member of your original CNTL data set, you must reassemble this table. Edit the BAOPTS1 member in your original CNTL data set. Change the SYSLMOD DD in all three LINK EDIT steps to point to the new HLQ.library (the TS460 version) and rerun BAOPTS1.

Copying Staged Libraries to Production

If you performed the recommended Action C above on your maintenance-only media, you will eventually want to move these staging libraries to production. After testing TS460, complete the following steps to move these libraries to production:

1. Edit the SASEDITP member of the CNTL data set. You should comment out Action C and activate Action D within SASEDITP following the instructions on Pages 68 through 70 in "Copying Staged Libraries (Action D)" in Part 2, "Maintaining the SAS System," in the *Installation Instructions and System Manager's Guide for the SAS System under MVS, Release 6.09 Enhanced, TS460 and above*. You only need to perform Step 1 in "Copying Staged Libraries (Action D)."
2. Edit the MAKESUPL member of the CNTL data set and submit it. No editing should be required in MAKESUPL.

Note: The MAKESUPL job needs exclusive access to the CNTL data set. You should back out of the CNTL data set after submitting MAKESUPL.
3. After MAKESUPL completes successfully, edit the SASISPSF member of the CNTL data set. This job was customized for submission by your editing parameters in SASEDITP and the submission of MAKESUPL. Run SASISPSF to copy the staging libraries to production.

After SASISPSF completes, your production libraries will be upgraded to run TS460.

For SAS/SHARE and SAS/CONNECT Software Customers Only

Support for IBM's TCP/IP, Version 3.2 is available on this media via a new SAS/C Transient Library. If your installation media only contains maintenance, you can unload the new SAS/C Transient Library using the V6TRANSLIB keyword as described in Step 3 in "Upgrading Your Currently Licensed Products to TS460 or Installing Supplemental Maintenance" above.

If the installation media contains SAS System products, install the new SAS/C Transient Library by submitting the ULCTRANL job in the CNTL installation data set.

YEAR2000 Test Utilities Support

Support for YEAR2000 test utilities is installed automatically with 6.09E TS460. Documentation on using these test utilities is included in this package, see TSDOC-568. You can also download this document from the Institute's WWW site at:

<http://www.sas.com/techsup/download/technote/ts568.txt>

or

<http://www.sas.com/techsup/download/technote/ts568.html>