

# Installation Instructions Addendum

## The SAS<sup>®</sup> System Release 6.09 Enhanced (TS470) CMS

<b>Important!</b> TS470 maintenance must be installed over a <b>copy</b> of your current production 6.09 Enhanced Release of the SAS System (TS450 or above).
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This document is an addendum to the *Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above*. It contains instructions for installing the SAS System TS470 maintenance files. This maintenance is not a full replacement for Release 6.09 Enhanced of the SAS System, but rather maintenance for specific products. The maintenance for a specific product may be in the form of new MESSAGE files, SASHELP catalogs, or LOADLIBS. This release of the SAS System under CMS contains all previous maintenance to Release 6.09 Enhanced, plus new maintenance (TS470).

If Release 6.09 Enhanced of the SAS System has not yet been installed at your site, you should install Release 6.09E TS450 first by following the instructions in the *Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above*. Once that installation is complete, you can then install TS470 maintenance by following the instructions included in this addendum.

### Identifying the Contents of Your Media

The media contains maintenance for the following products:

- Base SAS Software
- SAS/AF Software
- SAS/CONNECT Software
- SAS/EIS Software
- SAS/ETS Software
- SAS/ACCESS TO SYSTEM 2000 Software
- SAS/GRAPH Software
- SAS/IML Software
- SAS/SHARE Software
- SAS/STAT Software
- SAS Notes

**Note:** During the maintenance installation process, there are no prompts allowing you to choose the products for which maintenance is loaded; *only* maintenance for products that are currently installed at your site is loaded.

# Installing TS470 Maintenance

## Setup

1. Obtain write access to a small amount of clean disk space (approximately 100 4K blocks). The disk space can be either a minidisk or a CMS Shared File System directory. This will contain the installation aids.

**Note:** You may use temporary disk space for the installation aids because they are no longer needed once the maintenance installation has completed successfully. Also note that if you previously customized the SAS EXEC file, the original 6.09 Enhanced (TS450) version of the SAS EXEC file is installed. So, if you choose to load the installation aids to your SAS System location, your customized version of the SAS EXEC file is overwritten.

2. Mount the TS470 maintenance tape on a tape drive and have the drive attached to your virtual machine at address 181. The tape is non-labeled and the density is indicated on the external physical label. Mount the tape in read-only mode.
3. Load the installation aids from tape to disk. Ensure that you are at the beginning of the tape by issuing the following command:

```
TAPE REW
```

Next, load the files from tape to disk by issuing the following command:

```
TAPE LOAD * * filemode
```

where *filemode* indicates the filemode of the minidisk or CMS Shared File System directory that contains the installation aids.

When this step is completed, the MAINTSAS EXEC file and all other files from the installation aids section are loaded to disk. Leave the tape mounted so that you can continue to the next step.

4. Make a *copy* of your current Release 6.09 Enhanced (TS450 or above) minidisk or CMS Shared File System directory and access that *copy* in write mode. Then, issue the command RELEASE for the filemode of the original version. When prompted by MAINTSAS EXEC for the default filemode of the SAS System disk, you should specify the filemode of the *copy*. During the installation process, files loaded from the tape will replace some files on the specified minidisk and some new files may be added.

**Note:** An additional 6000 4K blocks should be available on the copied version to allow for the merging of maintenance files.

## ***Loading Maintenance Files to Disk***

5. To perform the install, run MAINTSAS from a CMS ready prompt by issuing the following command:

MAINTSAS

During the installation, you will encounter only two prompts. The first prompt is for the filemode. You should specify the filemode of the *copy* of your Release 6.09 Enhanced of the SAS System. The second prompt allows you to specify whether or not to load the current SAS Notes. If you choose *Yes* at this time, the current SAS Notes are loaded to the specified default filemode. If you do not want to load SAS Notes at this time, there is a tool available that will allow a "SAS Notes-only" install to any specified filemode. Refer to the section ***Installing SAS Notes*** in this addendum.

6. Once the TS470 installation has completed successfully, run the SAS validation tests and do the necessary testing before making TS470 the current release of the SAS System at your site. If the SAS System is installed in segments, you will need to execute the SAS System with the NOSSEG option while performing the validation tests. Once testing is completed and you want to move TS470 into production, it is necessary to resave the segments (including the SASHELP library and the SAS System message database if previously installed in segments).

**Note:** For information on the validation tests or installing the SAS System in saved segments, refer to the ***Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above.***

## **Installing an Add-On Product**

If you receive an installation tape containing an add-on product, follow the instructions in the ***Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above*** for installing an additional SAS System product. If the add-on product being installed is included in the list of products containing maintenance in this addendum, you must also reinstall the TS470 maintenance tape.

Complete the following steps to process an add-on product with maintenance.

1. Follow the instructions in the ***Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above*** for installing the add-on product.
2. Follow the steps included in the section ***Installing TS470 Maintenance*** in this addendum.
3. Refer to the ***Installation Instructions and System Manager's Guide for the SAS System under CMS, Release 6.09 Enhanced, TS465 and above*** for any post-processing steps necessary for the SAS System (for example, resaving segments) and for your specific add-on product.

## Installing SAS Notes

During execution of MAINTSAS EXEC, you have the option to install the current SAS Notes to the SAS System location. However, if you choose not to install SAS Notes during the maintenance installation process, you can follow the steps below to execute a SAS Notes-only install.

1. Follow steps 1 through 3 in the subsection *Setup* under the section *Installing TS470 Maintenance* in this addendum.
2. Obtain write access to the minidisk or CMS Shared File System directory to load the SAS Notes files. A SAS Notes-only install does not require the files to be loaded to the same location as the rest of the SAS System.
3. To perform the SAS Notes-only install, run SASNOTES from a CMS ready prompt by issuing the following command:

```
SASNOTES
```

During the SAS Notes-only install, you are prompted to enter the filemode where you want the SAS Notes files to reside.

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