Installation Instructions for the Motorola ADS Library Installer v0601

Welcome to the release of the Motorola ADS Library Installer v0601. This new installer provides a single convenient Java graphic user interface for installing Motorola libraries written for Agilent Technology's Advanced Design System 1.5 Service Pack 1A. The use of this library requires that ADS Service Pack 1A to be installed *before* starting the installation process. The installer does not require the installation of any additional software (Java runtime environment or Java virtual machine), simply download the file appropriate for your platform and follow the instructions provided below. The user is prompted for a directory to extract the installer to, once installation has begun. If any difficulties arise during the installation process review the "log" directory for a more detailed explanation. Once the installation has completed, you may delete the installer and any directories used for the extraction. The new installer includes the latest version of the Motorola LDMOS Model Library release 1.5.0601.

Should an issue arise during the installation process, you can consult the log file. Open the directory you selected to extract the installer to. A directory named "log" contains a text file for the library you selected to install/upgrade. Review the text file for a detailed listing of the operations completed.

This installation will replace files from the previous version of the MET LDMOS model library. If you have previous versions of the Motorola LDMOS Model Library, you may want to make a backup of the previous release.
1.   Copy the $HPEESOF_DIR/custom/ADS_MOT_LIBRARY directory to a backup name, i.e. ADS_MOT_LIBRARY_old.

Windows 95, 98, 2000 and NT4.0 Instructions:
1.   Make sure that you have administrative privileges for the ADS 1.5 installation directory ($HPEESOF_DIR) when running the Java installer.
2.   Download the windows version of the Java Installer, MotADSLibExt_v0601_win.exe
3.   After downloading, double-click the MotADSLibExt_v0601_win.exe file.
4.   Make sure that the permissions of the ADS executable file hpeesofsim.exe are such that all users can execute the file. The file, *hpeesofsim.exe*, is located in the following directory: $HPEESOF_DIR/custom/ADS_MOT_LIBRARY/senior_objects

Solaris 2.6 Instructions:
1.   Make sure that you have administrative privileges for the ADS 1.5 installation directory ($HPEESOF_DIR) when running the Java installer.
2.   Download the Solaris version of the Java Installer, MotADSLibExt_v0601_sun.bin
3.   After downloading open a shell
4.   Change the directory to where the Java installer was downloaded e.g., cd directory_where_installer_is_located
5.   At the prompt type: sh ./MotADSLibExt_v0601_sun.bin
6.   Make sure that the permissions of the ADS executable file hpeesofsim.sun are such that all users can execute the file. The file, *hpeesofsim.sun*, is located in the following directory: $HPEESOF_DIR/custom/ADS_MOT_LIBRARY/senior_objects

HP-UX 10.20 Instructions:
1.   Make sure that you have administrative privileges for the ADS 1.5 installation directory ($HPEESOF_DIR) when running the Java installer
2.   Download the HP-UX version of the Java Installer, MotADSLibExt_v0601_hp.bin
3.   After downloading open a shell
4.   Change the directory to where the Java installer was downloaded e.g., cd directory_where_installer_is_located
5.   At the prompt type: sh ./MotADSLibExt_v0601_hp.bin
6.   Make sure that the permissions of the ADS executable file hpeesofsim.hp are such that all users can execute the file. The file, *hpeesofsim.hp*, is located in the following directory: $HPEESOF_DIR/custom/ADS_MOT_LIBRARY/senior_objects

Appendix A   Building a New *hpeesofsim* executable (PC and UNIX Users)

You will be required to generate a new *hpeesofsim* executable if you have your own User Defined Models (**UDM**) you would like linked with the Motorola Object **UDM** files. Following the installation of Motorola's LDMOS Model library, building a new *hpeesofsim* executable file with additional **UDM**s is possible. The simulator object files for each platform are available within the following directory:

        $HPEESOF_DIR/custom/ADS_MOT_LIBRARY/senior_objects

Follow the online documentation on how to build a new *hpeesofsim* executable file using the supplied **Motorola Object UDM** files. Within each platform directory, Sun, HP, or NT, all files required to build a new simulator file are included as well as the shell or batch script called *buildsr* and a *user.mak* compiler definition make file. Copy your **UDM** object files to the appropriate directory. Make the appropriate modifications to the *cui_indx.c*, *userindx.c*, *buildsr* and *user.mak* files. Then run the *buildsr* script from a command line to recompile your new simulator *hpeesofsim* file which will be placed within the senior_objects directory. For Solaris, rename the *hpeesofsim.sun* to *hpeesofsim.old* and then rename the newly compiled *hpeesofsim* file to *hpeesofsim.sun*.   For HP, rename the *hpeesofsim.hp* to *hpeesofsim.old* and then rename the newly compiled *hpeesofsim* file to *hpeesofsim.hp*.

Finally, make sure that the new hpeesofsim executable simulator file has executable permissions. The configuration file which identifies which simulator file to use is contained within the $HPEESOF_DIR/custom/config directory and is called hpeesofsess.cfg. The identifier within this text file points to the correct simulator file to use. *Modify at your own risk!*