TroubleShooting ADS Installation Problems

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. If after reviewing the log file try to resolve the issue by consulting this document.

Note: The Java Installer has some defects for Windows versions 95 and 98. Please refer to the special section below for workarounds.

Below is a table of common problems and answers to questions that may help you complete your installation if you are having problems.

Problem	Possible Solution:
Under Unix, when starting ADS following the installation, the messages ***Loading Motorola's ADSv1.5.0601 LDMOS Model Library ...*** ***Motorola's ADSv1.5.0601 LDMOS Model Library Load Complete!*** do not appear upon startup. Under PC or Unix, after ADS is open, the ***Motorola LDMOS Model Library*** does not appear in the schematic palette or within the Component Library window. Under PC or Unix, the ***Motorola LDMOS Model Library*** palette exists within the schematic window; however, when picking and placing an element, I get several message windows saying that component symbol not found.	1.) Check that the ADS_MOT_LIBRARY directory and all of its subdirectories are present in the ADS ***custom*** directory. 2.) Verify that you are running ADS v1.5 with Service Pack 1A. 3.) Verify that the design_kit directory exists within the custom directory and that the ads.lib file exists and is similar to the file shown in below. 4.) Verify that the config directory exists within the custom directory and the de_sim.cfg file exists and is the same as the file shown in below.
Under PC or Unix, the ***Motorola LDMOS Model Library*** palette exists within the schematic window and I can pick and place model parts to the schematic; however, when I try to simulate, I get the following simulation error messages within the simulator window: **Warning detected by HPEESOFSIM during netlist parsing. Not and HP Ptolemy model** **Error detected by HPEESOFSIM during netlist parsing 'MRF1' is an instance of an undefined model 'METMOS'** Under PC or Unix, the ***Motorola LDMOS Model Library*** palette exists within the schematic window and I can pick and place model parts to the schematic; however, when I try to simulate, a window pops up indicating **OPEN_SIMULATOR ERROR**	1.) Verify that the config directory exists within the custom directory and the hpeesofsess.cfg file exists and is similar to that shown in below. 2.) Verify that the proper hpeesofsim executable file identified within the hpeesofsess.cfg file has executable permissions for all users. 3.) If ADS 1.5 Service Pack 1A was installed after the ***Motorola LDMOS Model Library*** was installed the ***Motorola LDMOS Model Library*** needs to be re-installed once again.
Under PC or Unix I have done everything above and nothing seems to have an effect. The Motorola Library does not load at all or partially loads with errors.	1.) A users de_sim.cfg is conflicting with the Motorola Library de_sim.cfg file. ADS uses the de_sim.cfg to define several environmental variables. The loading and definition hierarchy is as follows, first the simulator reads the variables defined in the ADS installation directory, second it reads and loads any variables defined in the users home directory (de_sim.cfg is located in a directory named hpeesof/config), finally the ADS design environment will read and load any additional environmental variables defined in the de_sim.cfg file located in the current ADS project. If a variable is redefined in the second or third location described above, only the latest definition will be used. Verify that the following

	environmental variables are not being redefined in either the user's home directory or the current ADS project directory: **DESIGN_KIT_DIRECTORY** **SITE_AEL** **LOCAL_AEL** 2.) Verify that all references to the ***ADS_MOT_LIBRARY*** environmental variable have being removed from your ADS startup wrapper script.

Example ads.lib, de_sim.cfg, and hpeesofsess.cfg files

Example ads.lib file contained within the custom/design_kit directory:

ADS_MOT_LIBRARY|$HPEESOF_DIR/custom/ADS_MOT_LIBRARY|de/ael/startup.atf

Example de_sim.cfg file contained within the custom/config directory:

```
SITE_AEL={$HPEESOF_DIR}/designguides/ael/vapi_runtime;%DESIGN_KIT_DIRECTORY/design_kit_startup
STANDARD_AEL=pde_gemini:stddefs:%SIMULATOR_AEL:{$HPEESOF_DIR}/designguides/ael/vapi_runtime
USER_MENU_FUNCTION_LIST=app_add_user_menus;vapi_menuDesignGuide
DESIGN_KIT_DIRECTORY=$HPEESOF_DIR/design_kit
LOCAL_AEL=%DESIGN_KIT_DIRECTORY/design_kit_project_attach
OPEN_DDS_AFTER_SIM=FALSE
```

Example hpeesofsess.cfg file contained within the custom/config directory:

```
HPEESOFSIM_BIN=$HPEESOF_DIR/custom/ADS_MOT_LIBRARY/senior_objects/hpeesofsim.exe
```

Windows 95 and 98 Users:

Some users of Windows 95 and 98 may notice that the installer does not go any further than exploding the installer files into C:\Program Files\MotExtADSLib directory or the directory you selected to put the installer files. This is due to a defect in the Java Installer. There is a workaround though. Follow the steps below to finish the installation:

1.) Open a DOS Prompt window.
2.) In the DOS window, change to the directory where the installation files were exploded.
cd "C:\Program Files\MotExtADSLib"
3.) Then in the DOS window, change directory to the libs directory.
cd libs
4.) Within the libs directory is the ADS_MOT_LIBRARY_v1p5p0601_PC.zip file. This file needs to be copied to the ADS installation custom directory. Therefore, within the same DOS prompt window:
set HPEESOF_DIR=C:\ADVDESSYS1.5 ***(or where your ADS v1.5 SP1A is installed)***
copy ADS_MOT_LIBRARY_v1p5p0601_PC.zip %HPEESOF_DIR%\custom
cd %HPEESOF_DIR%\custom
5.) Now unzip the zip archive using ADS's built-in unzip utility. So, within the same DOS prompt window:
%HPEESOF_DIR%\bin\unzip ADS_MOT_LIBRARY_v1p5p0601_PC.zip
6.) Once all of the directory ADS_MOT_LIBRARY is unarchived within the ADS custom directory, the files de_sim.cfg, hpeesofsess.cfg, and ads.lib must be properly created in their proper directories (See Above). Once these are created, the library is installed and you have completed what the Java installer could not do. For problems, refer to the troubleshooting problems/solutions above.