



Testing the Installation

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C.1 Test MSC/PATRAN

The following test procedure verifies that you have properly installed MSC/PATRAN.

Login and Change to a Scratch Directory

Login as a non-privileged user (that is, not root) on each workstation that will be running MSC/PATRAN and change to a scratch directory that has at least 6 Mb of disk space (or run in the default directory on Windows NT). Make sure the windowing system is executing (i.e. Xwindows on UNIX and Exceed on Windows NT).

Start Up MSC/PATRAN Using the patran Command

1. Start up MSC/PATRAN

UNIX:

```
% patran
```

(Make sure *<installation_dir>/patran8x/bin* is part of your command search path, as instructed in **Executable Path or Script for Parallel Installations** (p. 44).)

When the MSC/PATRAN *Command Line* form appears, the following messages should appear in the window:

```
$# Session file patran.ses.xx started recording at <date & time>
$# Recorded by: PATRAN Version X.X
$# FLEXlm initialization complete. Acquiring license(s)...
$# PATRAN X.X has obtained 1 concurrent license(s)...
```

Windows NT:

Choose Start | Programs | Msc | MSC/PATRAN v8.x

2. After the MSC/PATRAN Main form appears at the top and the MSC/PATRAN “heartbeat” on the right side is green, select **File** with the left mouse button. While holding the mouse button down, slide the cursor down to **New** and release the button.
3. A form titled *New Database* will appear. Move the cursor in the box under the heading “New Database Name.” Press the left mouse button and enter the name “**test.**” Press **OK**.

The following messages should appear in the *Command Line* form:

```
$# Copying <installation_dir>/patran8x/template.db to test.db
$# Copy complete. Opening new database.
```

```
$# Database version X.X created by Release X.X successfully  
opened  
...  
$# Creating journal file test.db.jou at <date & time>
```

The MSC/PATRAN graphics viewport should appear.

Test menus by going to the “Geometry” form. Select Create/Solid/XYZ and click “Apply.” This should create a simple Hyperpatch.

Test the MSC/PATRAN On-line Help

1. After the viewport appears, bring up the on-line help system by pressing **Help** on the right side of the MSC/PATRAN Main form. While pressing the left mouse button, slide the cursor down to MSC/PATRAN **Document Library...** and release the mouse button.

You should see the following messages appear in the *Command Window*:

```
$# Invoking FrameViewer via  
  <installation_dir>/patran8x/bin/startviewer  
$# Waiting for FrameViewer to become available  
$# Connection established with FrameViewer RPC server
```

You should then see the MSC/PATRAN *Document Directory* window appear.

2. Exit the on-line help by pressing the red colored **Done** located at the top of the MSC/PATRAN *Document Directory* window.

Exit MSC/PATRAN

1. Close the test.db database and exit MSC/PATRAN by placing the cursor anywhere in the MSC/PATRAN Main form and pressing <Control Q>; or select **Quit** from the **File** menu.
2. Remove the files, test.db, test.db.jou and patran.ses.01.
3. The files settings.pcl and .patran.EventMaps may also have been created. If so, delete those as well.

C.2 Test Application Preferences

If you have licensed one or more of MSC/PATRAN's Application Preferences, follow the test procedures in this section.

Copy and Execute Example MSC/PATRAN Session File

1. Login as a non-privileged user (that is, not root) on each workstation that has MSC/PATRAN and the Application Preference installed, and change to a scratch directory with at least 7 Mb of disk space:

```
% % cd <scratch_dir>
```

2. Copy *one* of the following session files into the scratch directory:

Table 2-1 Test Session File Names for Application Preferences

MSC/PATRAN ABAQUS	<installation_dir>/patran8x/test_files/pat3_abaqus.ses
MSC/PATRAN ANSYS	<installation_dir>/patran8x/test_files/pat3_ansys.ses (4.4A) <installation_dir>/patran8x/test_files/pat3_ansys5.ses (5.x)
MSC/PATRAN MARC	<installation_dir>/patran8x/test_files/pat3_marc.ses
MSC/PATRAN MSC/NASTRAN	<installation_dir>/patran8x/test_files/pat3_mscnast ran.ses
MSC/PATRAN SAMCEF	<installation_dir>/patran8x/test_files/pat3_samcef.ses

Start Up MSC/PATRAN and Execute the Session File

1. Change to a scratch directory and open MSC/PATRAN. Do not create a new database.
2. Select File from the MSC/PATRAN Main form and pick Session File Play. The form, Play Session File, appears.
3. Cursor select the session file listed under "Session File List." Press Apply.

The session file begins to execute and creates a new MSC/PATRAN database called test_interface.db, it then creates a finite element model for the specific Application Preference and creates an input file for the appropriate Finite Element Analysis program.

Verify the Output Files

1. When the session file completes, exit MSC/PATRAN.
2. To see if the interface ran successfully, check for the following files in the scratch directory:

```
patran.ses.01
```

```
test_interface.db
test_interface.db.jou
test_interface.inp (For MSC/PATRAN ABAQUS)
test_interface.prp (For MSC/PATRAN ANSYS)
test_interface.dat (For MSC/PATRAN MARC and MSC/PATRAN SAMCEF)
test_interface.bdf (For MSC/PATRAN NASTRAN)
test_interface_mesh.dat (For MSC/PATRAN SAMCEF)
test_interface.jba
test_interface.msg.01
SAMANSWERS_1 (For MSC/PATRAN SAMCEF)
SAMRUN (For MSC/PATRAN SAMCEF)
samjobfile (For MSC/PATRAN SAMCEF)
patdyn.cmt (For MSC/PATRAN DYNA)
patdyn.msg (For MSC/PATRAN DYNA)
```

3. List the **test_interface.msg.01** file to verify there were no errors during the execution. Some test result files may contain warning messages concerning coordinate transformations. Ignore these warning messages.

Verify Analysis Program Submittal From MSC/PATRAN

The session file you ran did not submit the model to an analysis program (for example, ABAQUS, MSC/NASTRAN, etc.). If you have an analysis program available locally or remotely, follow these steps to test the analysis link:

1. Configure analysis environment variables in site-setup. The mscsetup utility should have done this install. See **Environment Variables** (p. 70) for more information.
2. Reopen the test_interface.db file (test1.db for DYNA) in MSC/PATRAN, by selecting Open Database under the File menu.
3. Choose Analysis from the MSC/PATRAN Main form. The Analysis form appears. Make sure “Action” is set to Analyze, “Object” is set to Entire Model, and “Method” is set to Full Run.
4. Press Select Load Cases. A form titled Select Load Cases appears. If the “Default” load case appears under Selected Load Cases, press OK to close the form. If the “Default” load case only appears under Available Load Cases, cursor pick “Default” and then press OK.
5. Press Apply on the Analysis form. MSC/PATRAN executes the interface again, but it also submits the model to the analysis program.
6. When the job completes, check the output from the analysis code to confirm that the analysis completed successfully. For example, the output file for MSC/NASTRAN will be test_interface.f06.

C.3 Test Analysis Modules

C.3.1 Test MSC/PATRAN ADVANCED FEA

Follow the instructions below if you are licensed to run MSC/PATRAN ADVANCED FEA.

Copy and Execute MSC/PATRAN Session File

1. Login as a non-privileged user (that is, not root) on each workstation where you have installed MSC/PATRAN and ADVANCED FEA, and change to a scratch directory with at least 7 Mb of disk space:

```
% % cd <scratch_dir>
```

2. Copy the ADVANCED FEA example session file by entering:

```
% % cp <installation_dir>/patran8x/test_files/test_adv_fea.ses .
```

Start Up MSC/PATRAN and Execute the Session File

1. Follow Step 2 in the previous section **Test MSC/PATRAN** (p. 146), but do not create a new database.
2. Select File from the MSC/PATRAN Main form and pick Session File Play. A form, Play Session File, appears.
3. Select test_adv_fea.ses, listed under “Session File List.” Press Apply.

The test_adv_fea.ses file begins to run; creates a new MSC/PATRAN database called **test_afea.db**; it then creates a finite element model for MSC/PATRAN ADVANCED FEA; and executes MSC/PATRAN ADVANCED FEA.

Verify the Output Files

1. Once the session file completes, exit MSC/PATRAN.
2. To verify that ADVANCED FEA ran successfully, check to see if the following files are in the scratch directory:

```
patran.ses.01  
test_adv_fea.ses  
test_afea.db  
test_afea.db.jou  
test_afea.fil  
test_afea.msg  
test_afea.sta
```

3. Also, check the file test_afea.msg to verify that there are no warnings or errors:

NetLS initialization complete. Acquiring license(s)...

MSC/PATRAN ADVANCED_FEA 1.0 has obtained 120 concurrent license(s) from NetLS per a request to execute on a *<machine type>* on *<date and time>*.

MSC/PATRAN ADVANCED_FEA Version Release X.X

<date and time>

Translation commenced for the Entire_Model.

< 16 Elements> read from the database.

< 25 Nodes> translated.

< S4R5> elements of <region 1> being translated.

< 16 Elements> translated.

:

JOB TIME SUMMARY

USER TIME = 0.80

SYSTEM TIME = 0.50

TOTAL TIME = 1.30

successful termination of afeaccontrol.

The format of the “JOB TIME SUMMARY” output is platform dependent. After you have completed this test, you can delete the files in the scratch directory.

C.3.2 Test MSC/PATRAN ANALYSIS MANAGER

Follow the instructions below if you are licensed to run MSC/PATRAN ANALYSIS MANAGER and you have installed it using mscsetup. This test procedure assumes you have configured MSC/PATRAN ANALYSIS MANAGER to run with MSC/NASTRAN.

Run the ANALYSIS MANAGER

1. Login as a non-privileged user (that is, not root) on each workstation where you have installed MSC/PATRAN and MSC/PATRAN ANALYSIS MANAGER.
2. Change to a scratch directory that has at least 7 Mb of disk space and copy the following file:

```
% % cp <installation_dir>/patran8x/test_files/test_p3am.dat .
```

Start Up MSC/PATRAN ANALYSIS MANAGER

1. Start up MSC/PATRAN ANALYSIS MANAGER by entering the following:

```
% % p3analysis_mgr 1 dat test_p3am 1
```
2. When the MSC/PATRAN ANALYSIS MANAGER window appears, press the Apply button. This will automatically submit the test_p3am.dat file for analysis. You will hear a beep when the Analysis Manager has submitted the job. Press the OK button on the small form in the center of the monitoring window that appears after a successful submission.
3. An MSC/PATRAN ANALYSIS MANAGER monitoring window should appear, enabling you to check the status of the analysis job during runtime. When the analysis job completes, you should see a check mark (✓) at the end of the window's graphics bar and you should hear a beep.

If any errors occur, exit MSC/PATRAN and run p3am_admin (see **System Management** (Ch. 7) in the *MSC/PATRAN ANALYSIS MANAGER User's Guide*) for more information. Specify the non-privileged user name that is used in this test. Usually, the Network Host test and the Network Disk test that MSC documents in this step will uncover any problems.

For further information on testing and administering MSC/PATRAN ANALYSIS MANAGER, please read **System Management** (Ch. 7) in the *MSC/PATRAN ANALYSIS MANAGER User's Guide*.

C.3.3 Test MSC/PATRAN FEA

Follow the instructions below if you are licensed to run MSC/PATRAN FEA.

Copy and Execute Example MSC/PATRAN Session File

1. Login as a non-privileged user (that is, not root) on each workstation where you have installed MSC/PATRAN and MSC/PATRAN FEA, and change to a scratch directory with at least 7 Mb of disk space:

```
% % cd <scratch_dir>
```

2. Copy the MSC/PATRAN FEA example session file by entering:

```
% % cp <installation_dir>/patran8x/test_files/test_fea.ses .
```

Start Up MSC/PATRAN and Execute the Session File

1. Change to a scratch directory and open MSC/PATRAN. Do not create a new database.
2. Select File from the MSC/PATRAN Main form and pick Session File Play. A form entitled Play Session File appears.
3. Select test_fea.ses listed under the “Session File List.” Press Apply.

The test_fea.ses session file executes and creates a new MSC/PATRAN database called test_fea.db. It then creates a finite element model for MSC/PATRAN FEA and executes MSC/PATRAN FEA.

Verify the Output Files

1. Once the session file completes, either open a new window or exit MSC/PATRAN.
2. To verify that MSC/PATRAN FEA ran successfully, check to see that the following output files are in the scratch directory:

```
test_fea.db  
test_fea.db.jou  
test_fea.job  
test_fea.kas.01  
test_fea.l16.01  
test_fea.lis.01  
test_fea.log  
test_fea.msg.01  
test_fea.ntl.1  
test_fea.piv.01  
test_fea.res  
patran.ses.01
```

3. Also, check to see that information similar to the following appears in the file `test_fea.msg.01` (that is, there should be no warnings or errors):

```
"FEINPT" STARTING EXECUTION OF JOB "test_fea "  
"FEINPT" FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:01  
"FEBW " STARTING EXECUTION OF JOB "test_fea "  
NODE RESEQUENCING FAILED TO REDUCE BANDWIDTH OF 42  
SUMMARY OF MESSAGES, WARNINGS, AND ERRORS --  
LEVEL 1 (INFORMATIVE) - 1  
LEVEL 2 (WARNING-MAY AFFECT RESULTS) - 0  
LEVEL 3 (WARNING-MAY BE SERIOUS) - 0  
LEVEL 4 (FATAL AT END OF STEP) - 0  
LEVEL 5 (IMMEDIATELY FATAL) - 0  
"FEBW " FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:00  
"FEK " STARTING EXECUTION OF JOB "test_fea "  
"FEK " FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:01  
"FEKASM" STARTING EXECUTION OF JOB "test_fea "  
"FEKASM" FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:01  
"FEKSOL" STARTING EXECUTION OF JOB "test_fea "  
"FEKSOL" FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:00  
"FERE " STARTING EXECUTION OF JOB "test_fea "  
"FERE " FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:00  
"FESTR " STARTING EXECUTION OF JOB "test_fea "  
"FESTR " FINISHED NORMALLY  
"test_fea" FINISHED NORMALLY  
Date: <date>, Time: <time>, Cputime: 00:00:01
```

4. Delete the files in the scratch directory.

C.3.4 Test MSC/PATRAN LAMINATE MODELER

Follow the instructions below if you are licensed to run MSC/PATRAN LAMINATE MODELER.

Login and Execute MSC/PATRAN

1. Login as a non-privileged user (that is, not root) on each workstation that will be running MSC/PATRAN LAMINATE MODELER, and change to a scratch directory that has at least 6 Mb of disk space.
2. Change to a scratch directory and open MSC/PATRAN. Do not create a new database.

Enter MSC/PATRAN LAMINATE MODELER

1. Press the Tools menu with the left mouse button on the MSC/PATRAN Main form and slide the cursor down to MSC/PATRAN LAMINATE MODELER. Release the mouse button.
2. You should see the small form titled, MSC/PATRAN LAMINATE MODELER. Press the Cancel button.
3. Exit PATRAN and remove the MSC/PATRAN files in the scratch directory.

C.3.5 Test MSC/PATRAN MATERIALS

Follow the instructions below if you are licensed to run MSC/PATRAN MATERIALS.

Login and Execute MSC/PATRAN

1. Login as a non-privileged user (that is, not root) on a workstation that will be running MSC/PATRAN MATERIALS and change to a scratch directory that has at least 6 Mb of disk space.
2. Start up MSC/PATRAN as instructed in step 2 under **Test MSC/PATRAN** (p. 146), and create a new database.

Enter the MSC/PATRAN MATERIALS Application

1. On the MSC/PATRAN main form located at the top of the screen, press the diamond shaped Materials button. A long vertical form titled, Materials, should appear at the right side.
2. Enter MATERIALS by pressing the form's Method option menu with the left mouse button (it should list "Manual Input"), and slide the cursor down to the "Materials Selector" option. Then, release the mouse button.
3. After a few seconds, a form titled, Materials Databases, should appear. Under the Databases box, highlight a materials database then press the Apply button.

You should then see a larger form appear titled, Materials.

4. Exit PATRAN and delete any files that MSC/PATRAN created.

If you do not see the list of databanks, install the databanks by following the instructions in the latest databank CD-ROM.

C.3.6 Test MSC/PATRAN THERMAL

Follow the instructions below if you are licensed to run MSC/PATRAN THERMAL.

Copy and Execute MSC/PATRAN Session File

1. Login as a non-privileged user (that is, not root) on each workstation where you have installed MSC/PATRAN and MSC/PATRAN THERMAL, and change to a scratch directory with at least 7 Mb of disk space:

```
% % cd <scratch_dir>
```

2. Copy the MSC/PATRAN THERMAL example session file by entering:

```
% % cp <installation_dir>/patran8x/test_files/test_thermal.ses .
```

Start Up MSC/PATRAN and Execute the Session File

1. Change to a scratch directory and open MSC/PATRAN. Do not create a new database.
2. Select File from the MSC/PATRAN Main form and pick Session File Play. The form, Play Session File, appears.
3. Select "test_thermal.ses" listed under "Session File List." Press Apply.

The test_thermal.ses file begins to execute and creates a new MSC/PATRAN database called test_thermal.db. It then creates a finite element model for MSC/PATRAN THERMAL and executes MSC/PATRAN THERMAL.

Verify the Output Files

1. When the session file completes, wait for the THERMAL job to complete.
2. To verify that MSC/PATRAN THERMAL completed successfully, check to see that the following files are in the scratch directory:

```
patran.ses.01
test_thermal.db
test_thermal.db.jou
test_thermal.ses
test_thermala
```

3. Also, enter the following:

```
% % cd ./test_thermala
% % qstat
```

4. Check to see that the following output appears with no errors:

```
executing <installation_dir>/patran8x/p3thermal_files/lib/qstat .
. .

***>>> Status File Number 1 <<<***

CPU Time: 0 Hours 0 Minutes 1.61 Seconds

Time = 0.0000000000D+00 SECONDS (Steady State Run)

Iteration # Node # Max Delta Temperature(K) Relax Value
-----
      1      22 -1.0229D+02 1.9086225D+02 1.00000D+00
      2      18 -3.3054D+01 2.3430853D+02 1.00000D+00
      3      13 -1.9924D+01 2.2268794D+02 1.00000D+00
      :
     31       4  1.9311D-04 1.1103411D+02 1.54534D+00
     32       5  9.5501D-05 1.1232712D+02 1.54534D+00
CPU Time: 0 Hours 0 Minutes 1.90 Seconds
***>>> Q/TRAN STOP <<<***
```

5. Delete the files in the scratch directory.

C.4 Test MSC/PATRAN CAD Access

If you will be accessing a CAD system for modeling purposes, locate the appropriate test procedure in this section and test the CAD link.

C.4.1 Test MSC/PATRAN ACIS Access

You must have access to a ACIS export file (.sat) to test MSC/PATRAN ACIS Access.

Start MSC/PATRAN and Open a New Database

1. Login as a non-privileged user to a workstation that has MSC/PATRAN installed.
2. Change to the default directory where the EUCLID 3 intermediate file resides.
3. Execute MSC/PATRAN by entering:
 % `patran`
4. Choose File from the MSC/PATRAN Main form and then choose New Database to open a new database file called test.db.

Access the .sat File

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled “Import” appears.
2. Change “Object” to “Model”, “Source” to “ACIS”.
3. Select a valid “.sat” file and press “Apply”. You should see messages in the MSC/PATRAN Command window indicating that the file is being read. The model should then appear in the MSC/PATRAN viewport.
4. If the import fails check that you are correctly licensed for the product.

C.4.2 Test MSC/PATRAN CATIA Access

You must have access to either the CATIA model file (MSC/PATRAN CATIA Direct Access) or the CATXPRES intermediate file (MSC/PATRAN CATIA Access) to test this product.

Note that MSC/PATRAN CATIA Direct Access and MSC/PATRAN CATIA Access are licensed separately.

Start MSC/PATRAN and Open a New Database

1. Login as a non-privileged user (not root) on a workstation that has MSC/PATRAN.
2. Change to the directory where the CATXPRES intermediate file or CATIA model resides.
3. Execute MSC/PATRAN by entering:

```
% patran
```
4. On the MSC/PATRAN Main Form, choose File. Then choose New Database and open a new database file called test.db.

Access the CATIA Database File

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled “Import” appears.
2. Change “Object” to “Model”, “Source” to “CATIA”, and “File Type” to “CATIA Model” for Direct Access or “CATXPRES File” for CATIA Access.
3. Select either a valid CATIA model file (CATIA Direct Access) or a valid CATXPRESS intermediate file (CATIA Access).

You should see messages in the MSC/PATRAN Command window indicating that the model or intermediate file is being read:

```
$# CATIA Model File Traversal Completed.
```

The model should now appear in the MSC/PATRAN viewport.

4. If the import fails check that you are correctly licensed for the product.

C.4.3 Test the CADD5 Access Product

You will need a Computervision part file created by CADD5 to test the MSC/PATRAN CADD5 installation.

Start MSC/PATRAN CADD5 Using the patran Command

1. Login as a non-privileged user and change your default directory to a location where you are permitted read/write access for your user name.
2. Execute MSC/PATRAN by entering:

% **patran**
3. Select New Database... under the File menu. Select in the databox under New Database Name with the left mouse button and enter the name of the new MSC/PATRAN database file (e.g., test.db). Press OK.

Access the CADD5 Database

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled Import appears.
2. Change “Object” to Model and “Source” to CADD5 on the form, and select with the cursor the part file under the “CADD5 Files” column, or enter the part file name under “Import File.”

A message similar to the following should appear in the MSC/PATRAN Command Window:

```
$# Opening CADD5 database
```

Once the import completes, you should see the geometry from the CADD5 database appear in the MSC/PATRAN viewport.

3. Exit MSC/PATRAN by selecting Quit under the File menu.

Remove the output files.

C.4.4 Test the EUCLID 3 Access Product

In order to test the installation of MSC/PATRAN EUCLID 3, you must have access to an intermediate geometry file that EUCLID 3 created.

Login As a Non-Privileged User

1. Login as a non-privileged user to a workstation that has MSC/PATRAN installed.
2. Change to the default directory where the EUCLID 3 intermediate file resides.
3. Execute MSC/PATRAN by entering:

```
% patran
```
4. Choose File from the MSC/PATRAN Main form and then choose New Database to open a new database file called test.db.

Access the Euclid 3 Database File

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled Import will appear.
2. Change “Object” to Model and “Source” to EUCLID 3 on the form, and select with the cursor the part file under the “EUCLID Files” column, or enter the part file name under “Import File.”

You should receive messages in the MSC/PATRAN Command window stating MSC/PATRAN EUCLID 3 is accessing the EUCLID 3 intermediate file. Shortly thereafter, the EUCLID 3 model should appear in the MSC/PATRAN graphics Viewport window.

If MSC/PATRAN EUCLID 3 did not run successfully, verify the installation and make sure the workstation is licensed for MSC/PATRAN EUCLID 3.

C.4.5 Test the MSC/PATRAN ProENGINEER Access

Login As a Non-Privileged User

Login as a non-privileged user on the workstation where you have installed MSC/PATRAN, MSC/PATRAN ProENGINEER and Pro/ENGINEER.

Execute MSC/PATRAN ProEngineer and Create a New Database

1. Login as a non-privileged user to a workstation that has MSC/PATRAN installed.
2. Change to the default directory where the EUCLID 3 intermediate file resides.
3. Execute MSC/PATRAN by entering:

```
% patran
```
4. Choose File from the MSC/PATRAN Main form and then choose New Database to open a new database file called test.db.

Access the ProEngineer Part File

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled Import appears.
2. Change “Object” to Model and “Source” to Pro/ENGINEER on the form, and select with the cursor the part file under the “Pro/ENGINEER Files” column, or enter the part file name under “Import File.”

You should receive messages in the MSC/PATRAN Command window stating MSC/PATRAN ProENGINEER is accessing the Pro/ENGINEER part or assembly file. The Pro/ENGINEER model should appear in MSC/PATRAN viewport.

If MSC/PATRAN ProENGINEER did not successfully run, verify the installation and make sure the workstation is licensed for MSC/PATRAN ProENGINEER and Pro/ENGINEER.

C.4.6 Test MSC/PATRAN Unigraphics Access

An EDS/Unigraphics part file that was created by EDS/Unigraphics Versions 14.0 or earlier is required to test MSC/PATRAN Unigraphics.

Important: On the Windows NT platform, MSC/PATRAN Unigraphics Access can only access part files in NTFS partitions. See **Microsoft Windows NT Requirements** (p. 23) for additional information.

Start MSC/PATRAN

1. Login as a non-privileged user and change the directory to where a Unigraphics part file resides.
2. Execute MSC/PATRAN by entering:
`% patran`
3. Select New Database... under the File menu. Place the cursor in the box under New Database Name and press the left mouse button. Enter a name of the new MSC/PATRAN database file (e.g., test.db). Press OK.

Access the EDS/Unigraphics Part File

1. Once the MSC/PATRAN graphics viewport appears, select Import... under the File menu. A form titled Import appears.
2. Set “Object” to Model and “Source” to Unigraphics on the form, and select with the cursor the part file under the “Unigraphics Files” column, or enter the part file name under “Import File.”

A message similar to the following should appear in the MSC/PATRAN Command Window:

```
$# Opening Unigraphics part-file "<default_dir>/xxxx.prt"
```

The geometry stored in the Unigraphics part file should appear in the MSC/PATRAN viewport.

3. Exit MSC/PATRAN by selecting Quit under the File menu.
4. Delete the files created by MSC/PATRAN.