

Delphi Corporation

iMAN Import / Export Using UG Clone Function

User Guide

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Introduction

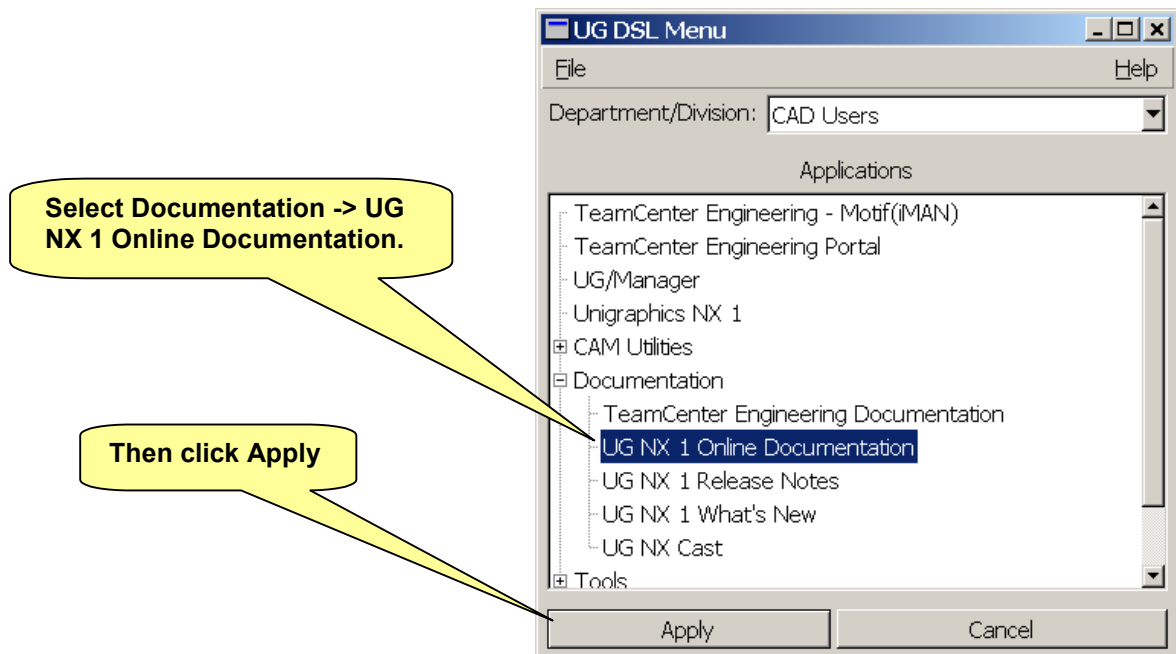
Clone based import/export functions are enhanced in the Delphi Design Support Library (DSL) to support the Delphi Data Creation Standards UG native file naming and iMAN object numbering requirements. In addition, using this feature of Unigraphics has several benefits over command line scripts based on the ug_import and ug_export utilities. Some of the major ones are:

- Faster processing since the part files are not actually loaded and saved in UG during the process.
- The interface is part of the Unigraphics menu system, which provides a more user friendly Graphic User Interface (GUI) command structure.
- It's safer to use with WAVE and other UG technology .
- Runs on any computer operating system platform that runs Unigraphics.

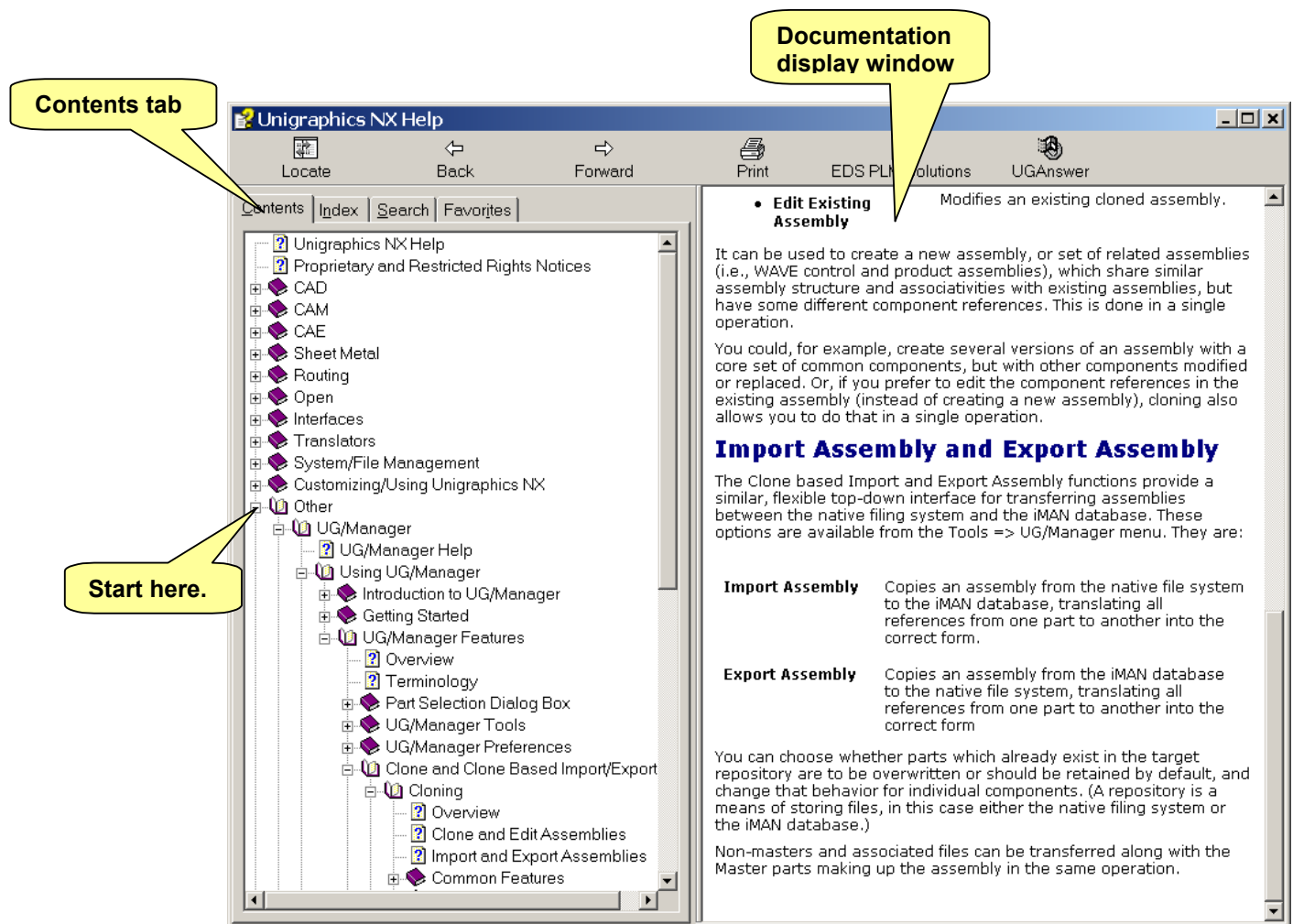
This document will present the different types for procedures used to import/export assemblies as well as single files using the clone based import/export function. More details about UG/Manager clone based import/export can be found in the TeamCenter Engineering (iMAN) online documentation, under UG/Manager Help.

Accessing Create Clone Assembly Online Documentation

1. Launch **UG NX 1 Online Documentation** from the **Documentation** section of the DSL menu. This will start the documentation browser.



2. Click the **Contents** tab on the left side of the documentation browser.
3. Click **Other -> UG/Manager -> Using UG/Manager -> UG/Manager Features -> Clone and Clone Based Import/Export**.
4. At this point, you can click on the subject you are interested in to access the online documentation.



Basic Import Procedure

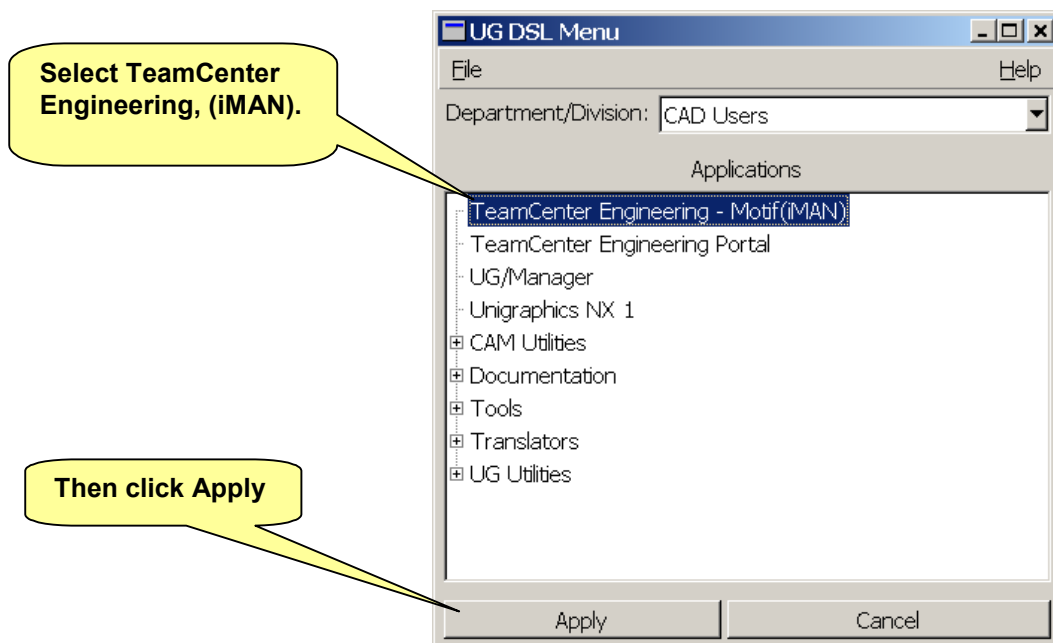
The basic import procedure using the clone function is executed from within Unigraphics. The following section provides the steps required to launching TeamCenter Engineering – Motif (iMAN), Unigraphics, and the UG/Manager Import Clone Assembly command using the DSL Menu.

Starting Unigraphics and UG/Manager Import Clone command.

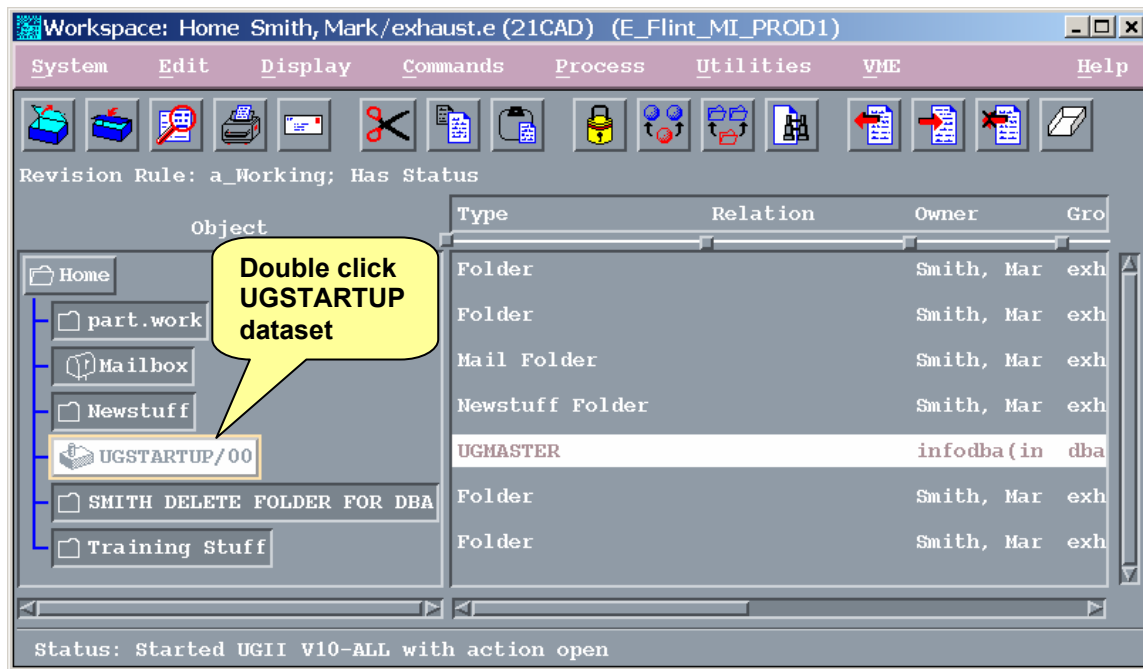
1. Select **TeamCenter Engineering - Motif (iMAN)** from the DSL Menu and click **Apply**. The TeamCenter Engineering workspace will be displayed.




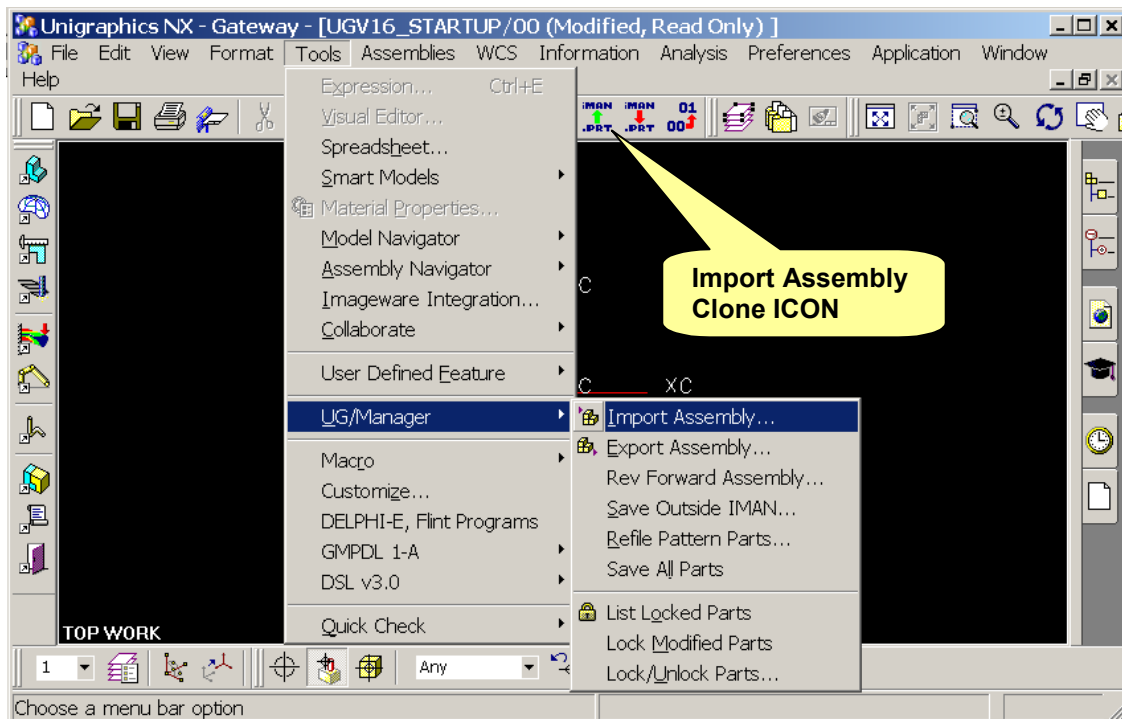
NOTE: You can also launch UG by starting **UG/Manager**. If you use UG/Manager, Unigraphics will start automatically, (Go to STEP 3). Some sites may have one or the other of these commands suppressed in the DSL menu ***The following instructions will show the steps followed when starting TeamCenter Engineering from the DSL Menu.***



- From the TeamCenter Engineering (iMAN) workspace window, launch Unigraphics by double clicking on the UGSTARTUP/00 dataset.



- From the Unigraphics menu, click **Tools->UG/Manager->Import Assembly...** or press  on the clone toolbar to display the import dialog.



The Import Clone Assembly Dialog Windows

Before continuing with the Import Clone Assembly procedure, please review the available options on the following Import Assembly dialog windows.

LOAD OPTIONS TAB: Allows you to specify NATIVE UG load options for Assembly(s) to be imported.

Allows you to specify one or more assemblies to import

For Import and Export the options available here are Overwrite (**always import** the part) and Use Existing (**import** the part **only if it does not already exist**).

Enables you to select the level of report information included in the log file.

Executes the cloning operation based on the settings made above.

NUMBERING TAB: Permits you to specify if the default numbering is to be user-defined, a number rule or automatically generated.

CHECKOUTS TAB: Allows you to specify if items are "checked-in" or "checked-out" when imported.

LOG FILE TAB: Permits you to specify a cloning log file to record the mapping for the cloning operation.

Permits you to apply specific "rules" to individual files that will be imported.

NOTE: Exceptions can be defined on many of the "TAB's" sub-menus.

Enables you to perform the operation without actually importing (or exporting) the objects.

The screenshot shows the 'Import Assembly' dialog with tabs: Non Masters/Associated Files, Checkouts, Log Files, Main, Load Options, Numbering, and Ownership. The 'Load Options' tab is active, showing 'Add Assembly' and 'Add Part' buttons, a 'Default Import Action' dropdown set to 'Use Existing', and an 'Exceptions' button. Below is a table with columns 'Information' and 'Current Setting':

Information	Current Setting
Load Option	From Directory
Numbering	Auto Translate

At the bottom, there are buttons for 'Root Parts Only', 'Report to Information Window', 'Set Defaults', 'Reset Defaults', 'Execute', 'Dry Run' (with an unchecked checkbox), 'Clear', and 'Close'.

NUMBERING TAB:
Automatically converts DCS native file names to DCS iMAN object numbers.

Import Assembly

Non Masters/Associated Files | Checkouts | Log Files

Main | Load Options | **Numbering** | Ownership

Import Numbering: Auto Translate ▼ Exceptions

Define Numbering: User Number
Number Rule
Auto Generate
Auto Translate

Default Output Folder: <folder>...

Default Name:

Default Description:

Default Part Type: Part_DPH ▼ Exceptions

Close

Enables you to specify the item type for the imported object(s).

Import Assembly

Main | Load Options | Numbering | **Log Files** | Ownership

Non Masters/Associated Files | Checkouts | Log Files

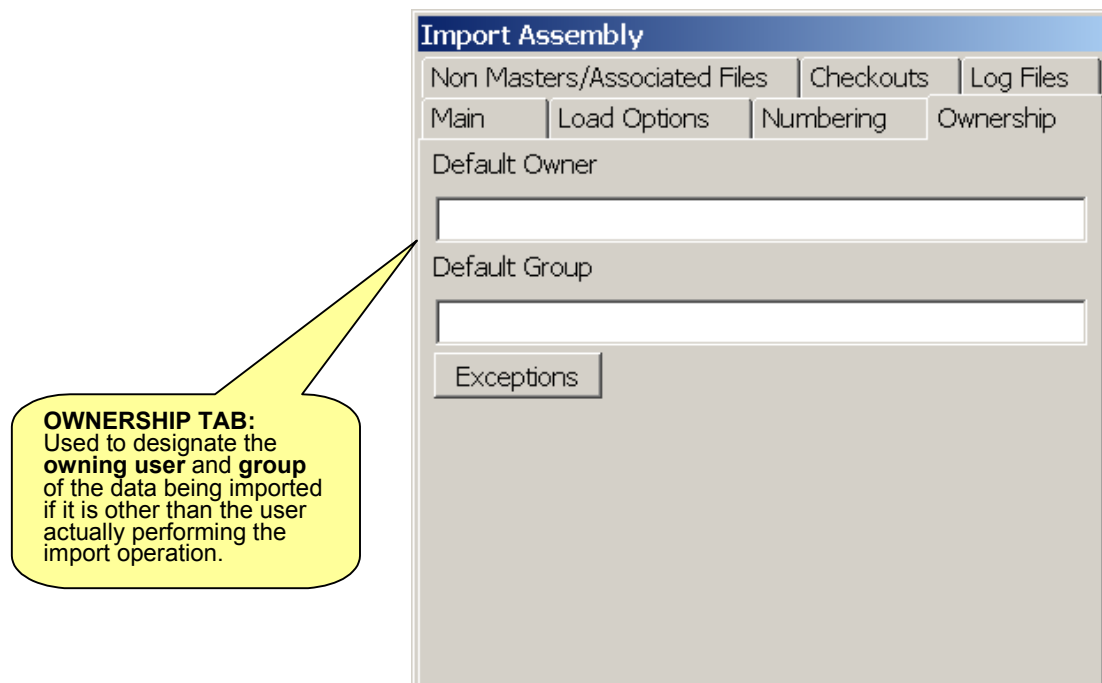
Output Log File: None Specified

Specify Output Log File

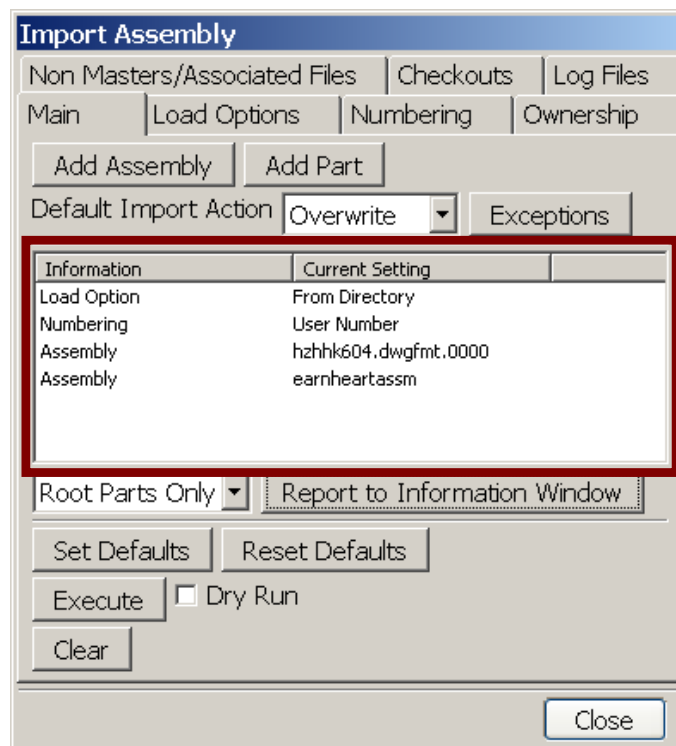
Load and Apply Existing Log File

Close

LOG FILES TAB:
Enables you to load a previous cloning log file, whose mappings will be repeated in your operation.



Refer to the “INFORMATION window” of the **MAIN** dialog to keep track of the load options you have chosen, the log file you’ve specified (if any), the part numbering method you have selected, which assemblies you have chosen for import, etc.

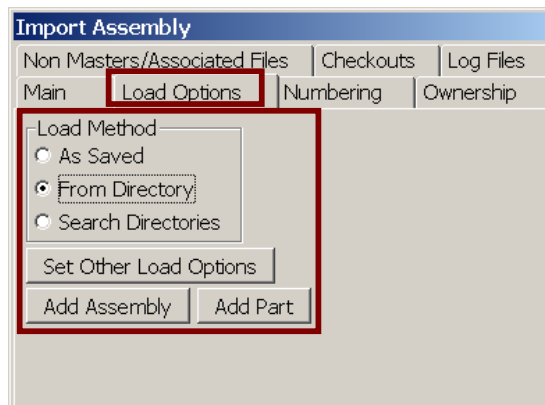


Simple Import Assembly Clone Procedure

1. Click on the **Load Options** tab and make sure the load options are set as needed for the assembly to be able to locate all of its components.



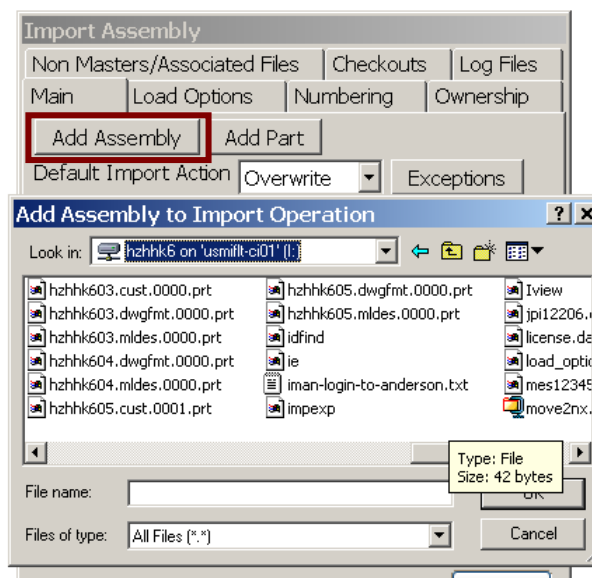
NOTE: These settings refer to **NATIVE UNIGRAPHICS load options**, **NOT iMAN** revision rules.



2. Change settings if necessary, then Click on the **Main** tab.
3. Press **Add Assembly** and select the top-level assembly part file to import into iMAN. Press OK.



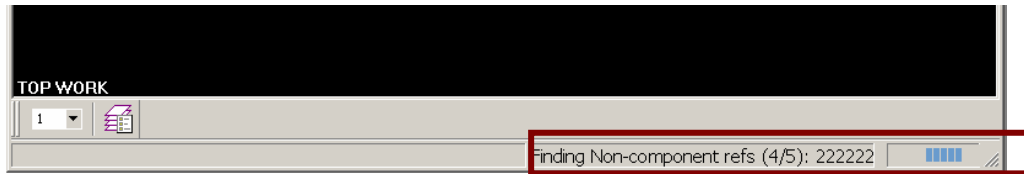
TIP: Repeat this step until all assemblies to be imported have been added to the current operation.



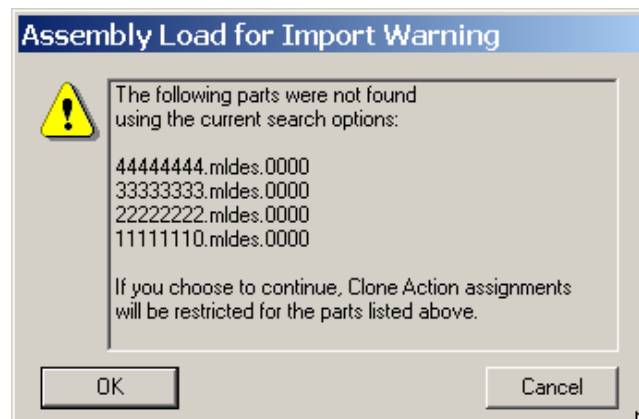
NOTE: If you want to import the **assembly drawings** and the **component drawings**, use **Add Assembly** to include them in the import.



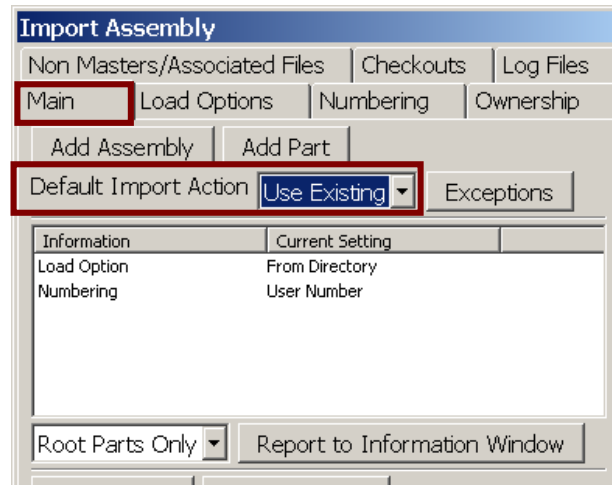
TIP: Check the Add Assembly progress in the Unigraphics STATUS line. *Unigraphics will be **unresponsive** until all the components of the assembly have been resolved.*



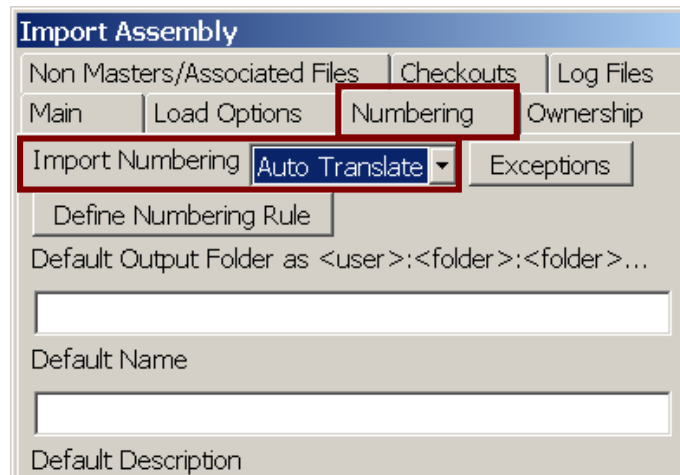
NOTE: If the components of the assembly can not be located, based on the LOAD OPTIONS setting, you will receive the following warning. *Click CANCEL and return to the LOAD OPTIONS dialog, (See Step 1), to correct the problem.*



4. From the **Main Import Assembly dialog**, select **Use Existing** from the **Default Import Action** drop down list. Use this option if the assembly was initially exported from the iMAN database, or some components of a new assembly already exist in the iMAN database.



5. Click on the **Numbering tab** and select **Auto Translate** from the **Import Numbering** drop down list.



NOTE: In order for AUTO TRANSLATE to function properly, **STRICT adherence to the Delphi Data Creation Standard file naming conventions for NATIVE UG files is REQUIRED.**

- Click the **Checkouts** tab and select the **Check-In** button if you want the files to automatically be checked-in on import.

The screenshot shows the 'Import Assembly' dialog box with the 'Checkouts' tab selected. The 'Imported Parts should be' section has three radio buttons: 'Checked In' (selected), 'Checked Out', and 'Neither'. The 'With Checkout Comment' text box is empty. The 'Error if not Checked Out' checkbox is unchecked. The 'Exceptions' button is visible at the bottom.

- Click the **Main** tab and check **Dry Run** and press **Execute** to see if there will be any possible problems with the import.

The screenshot shows the 'Import Assembly' dialog box with the 'Main' tab selected. The 'Default Import Action' is set to 'Overwrite'. The 'Information' table shows the current settings for Load Option, Numbering, and Checkouts. The 'Root Parts Only' dropdown is set to 'Root Parts Only'. The 'Report to Information Window' button is visible. The 'Execute' button is highlighted, and the 'Dry Run' checkbox is checked. The 'Close' button is at the bottom right.

Information	Current Setting
Load Option	From Directory
Numbering	User Number
Checkouts	Checkin (No Error if not ch...



TIP: Check the Import Assembly progress in the Unigraphics STATUS line. **Unigraphics will be *unresponsive* until all the components of the assembly have been resolved.**



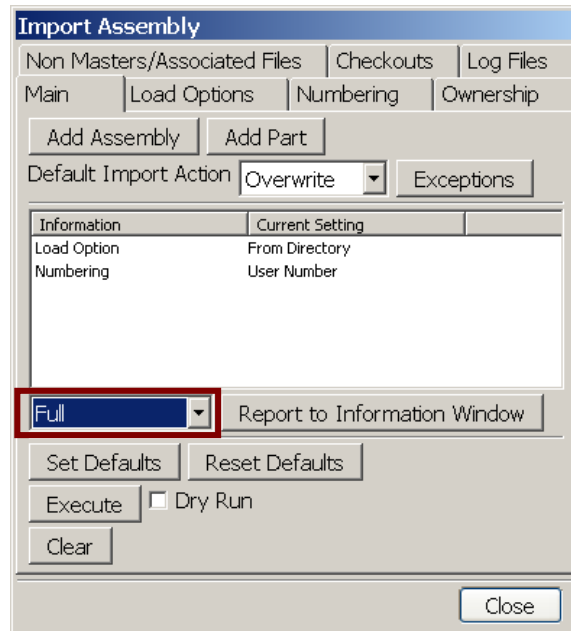
NOTE: The results of clicking **Dry Run** and then **Execute** will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.

```
Assembly Cloning Log File
&LOG Operation_Type: IMPORT_OPERATION
&LOG Default_Cloning_Action: USE_EXISTING
&LOG Default_Naming_Technique: AUTO_TRANSLATE
&LOG Default_Copy_Associated_Files: Yes
&LOG Default_Non_Master_Copy: specification Yes
&LOG Default_Non_Master_Copy: manifestation Yes
&LOG Default_Non_Master_Copy: altrep Yes
&LOG Default_Non_Master_Copy: scenario Yes
&LOG Default_Check_In: Yes
&LOG Default_Error_If_Not_Checked_Out: No
&LOG
&LOG Part: H:\11111110.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/11111110/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 11111110
&LOG Part_Description: 11111110
&LOG Associated_Files_Directory: "H:\11111110.mldes.0000"
&LOG
&LOG Part: H:\22222222.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/22222222/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 22222222
&LOG Part_Description: 22222222
&LOG Associated_Files_Directory: "H:\22222222.mldes.0000"
&LOG
&LOG Part: H:\00000000.mlas.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/00000000/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 00000000
&LOG Part_Description: 00000000
&LOG Associated_Files_Directory: "H:\00000000.mlas.0000"
&LOG
&LOG Part: H:\44444444.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/44444444/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 44444444
&LOG Part_Description: 44444444
&LOG Associated_Files_Directory: "H:\44444444.mldes.0000"
&LOG
&LOG Part: H:\33333333.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/33333333/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 33333333
&LOG Part_Description: 33333333
&LOG Associated_Files_Directory: "H:\33333333.mldes.0000"
&LOG
```

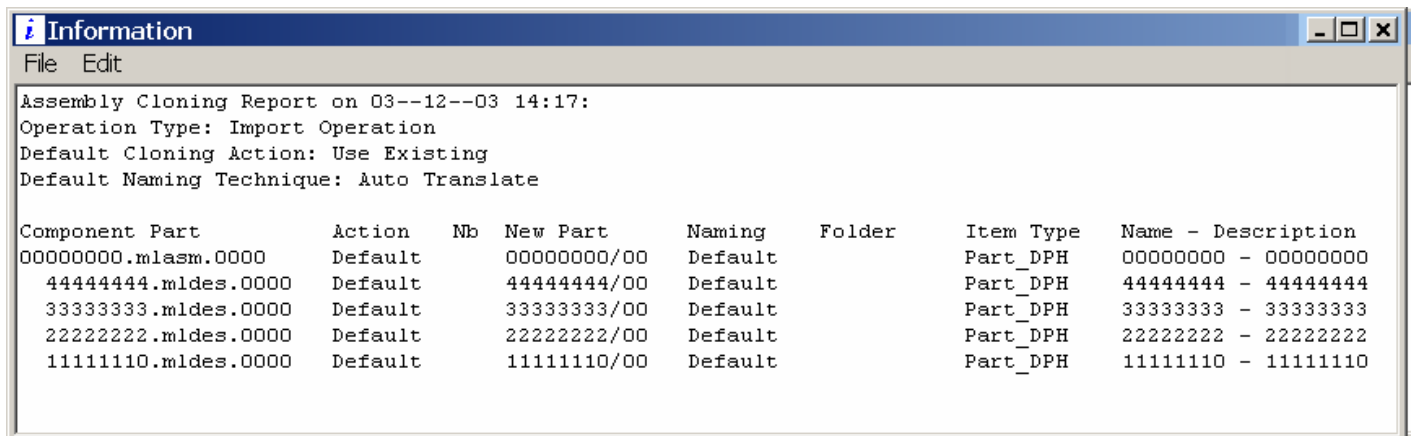
Default settings for import clone operation.

Settings for file 11111110.mldes.0000.prt. Note the **file name conversion** to iMAN conventions, part type, etc.

8. Select **Full** from the **Reports** drop down list then click **Report to Information Window** to verify that all parts will be numbered correctly.



NOTE: The results of selecting **Full** from the Reports drop down list and clicking **Reports to Information Window** will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.



9. If any numbers or part types are incorrect, or you want to change the Part Name and/or Part Description, press the **Numbering** tab then Import Numbering **Exceptions** to correct the number or Default Part Type to correct the part type of the problem part. **If everything is OK, skip to step 13.**

10. Select the file for which you would like to define the numbering exception and click **APPLY**. This will cause the iMAN file dialog window to appear.



NOTE: When defining a part type exception, select the file, then select the part type from the drop down list and then click apply. When finished, click Cancel.

- Correct the Part Number and Part Revision to be what you desire, in accordance with Delphi iMAN DCS object numbering rules.

Output Part Number
Default Container: hzhhk6

Object	Name	Type	Owner	Group	Description	Statuses
Home	Home		Smith,...	exhaust.e	hzhhk6	
Training Stuff	Training Stuff		Smith,...	exhaust.e		
Mailbox	Mailbox		Smith,...	exhaust.e	hzhhk6	
Newstuff	Newstuff		Smith,...	exhaust.e	hzhhk6	
SMITH DELETE FOLD...	SMITH DELETE...		Smith,...	exhaust.e		
part.work	part.work		Smith,...	exhaust.e	created by ug...	

Part Type: Part_DPH
Part Number: 87654321
Part Revision: 01
Part File Type: master
Part File Name:

OK Back Cancel

- Click **OK** to proceed to the next screen where you can correct the **Part Name** and **Part Description**.

Attributes
Write + Read-Only

Part Name: 87654321
Part Description: 87654321

Value: COVER
Permitted Values:

Read-Only
Part Number: 87654321
Part Revision: 01
Part Type: Part_DPH
Part Unit of Measure: <No Value Set>

OK Back Cancel

Edit Database Attributes
List By: Write + Read-Only
Filter: *

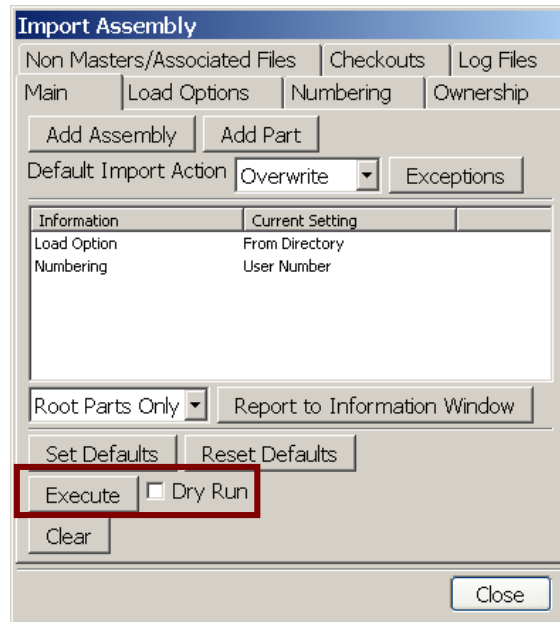
Write Enabled
Part Name: COVER
Part Description: 87654321

Value: 2003 GMT 300
Permitted Values:

Read-Only
Part Number: 87654321
Part Revision: 01
Part Type: Part_DPH
Part Unit of Measure: <No Value Set>

OK Back Cancel

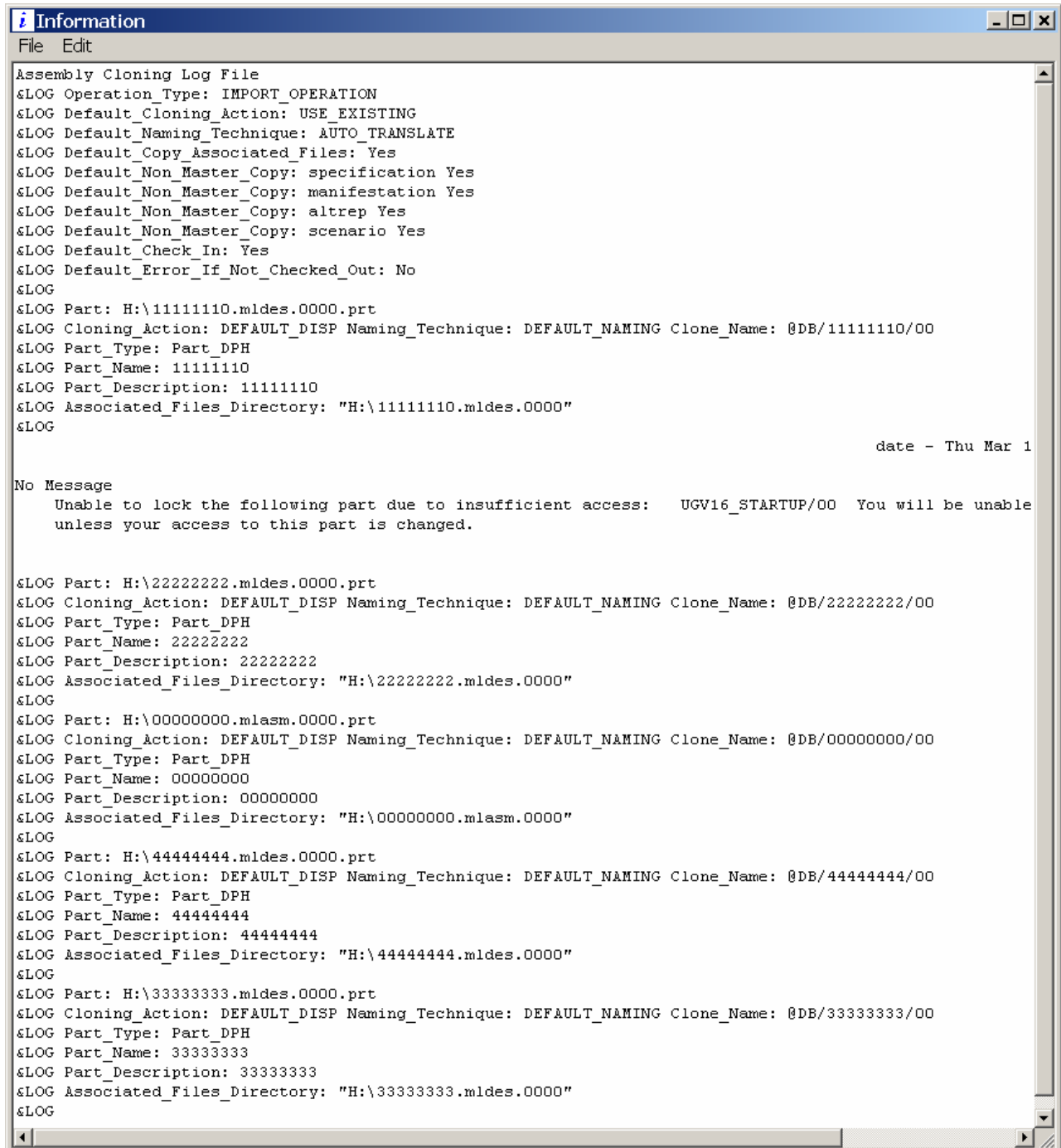
13. Once you are satisfied that all files can be resolved and numbering exceptions are defined, make sure **Dry Run** is turned off and press **Execute** from the **Main tab** of the dialog window to import the files.



TIP: Check the Import Assembly progress in the Unigraphics STATUS line. *Unigraphics will be **unresponsive** until all the components of the assembly have been imported.*



NOTE: The results of the *import operation* will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.



```
Information
File Edit

Assembly Cloning Log File
&LOG Operation_Type: IMPORT_OPERATION
&LOG Default_Cloning_Action: USE_EXISTING
&LOG Default_Naming_Technique: AUTO_TRANSLATE
&LOG Default_Copy_Associated_Files: Yes
&LOG Default_Non_Master_Copy: specification Yes
&LOG Default_Non_Master_Copy: manifestation Yes
&LOG Default_Non_Master_Copy: altrep Yes
&LOG Default_Non_Master_Copy: scenario Yes
&LOG Default_Check_In: Yes
&LOG Default_Error_If_Not_Checked_Out: No
&LOG
&LOG Part: H:\11111110.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/11111110/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 11111110
&LOG Part_Description: 11111110
&LOG Associated_Files_Directory: "H:\11111110.mldes.0000"
&LOG
date - Thu Mar 1

No Message
Unable to lock the following part due to insufficient access: UGV16_STARTUP/00 You will be unable
unless your access to this part is changed.

&LOG Part: H:\22222222.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/22222222/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 22222222
&LOG Part_Description: 22222222
&LOG Associated_Files_Directory: "H:\22222222.mldes.0000"
&LOG
&LOG Part: H:\00000000.mlasms.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/00000000/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 00000000
&LOG Part_Description: 00000000
&LOG Associated_Files_Directory: "H:\00000000.mlasms.0000"
&LOG
&LOG Part: H:\44444444.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/44444444/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 44444444
&LOG Part_Description: 44444444
&LOG Associated_Files_Directory: "H:\44444444.mldes.0000"
&LOG
&LOG Part: H:\33333333.mldes.0000.prt
&LOG Cloning_Action: DEFAULT_DISP Naming_Technique: DEFAULT_NAMING Clone_Name: @DB/33333333/00
&LOG Part_Type: Part_DPH
&LOG Part_Name: 33333333
&LOG Part_Description: 33333333
&LOG Associated_Files_Directory: "H:\33333333.mldes.0000"
&LOG
```


Importing UG Scenario Files

To import an assembly with UG/Scenario files requires a slightly different procedure. Steps 3 and 5 are different and are highlighted in red:

1. Launch TeamCenter Engineering – Motif (iMAN) from the DSL Menu and start Unigraphics by double clicking the UGSTARTUP dataset from the TeamCenter Engineering (iMAN) workspace. If you click UG/Manager, Unigraphics will start automatically, (Go to STEP 3). (Refer to **Starting Unigraphics and UG/Manager Import Clone command** in the previous section for details.)



NOTE: Some sites may have one or the other of these commands suppressed in the DSL menu *The following instructions will show the steps to be followed when starting TeamCenter Engineering – Motif (iMAN) from the DSL Menu.*

2. From the Unigraphics menu, click **Tools->UG/Manager->Import Assembly...** or press  on the clone toolbar to display the import dialog.



NOTE: Refer to the steps in the “Simple Import Assembly Clone Process” section for additional information on the following steps.

3. Select the **Load Options tab** and make sure the load options are set as needed to find assembly components and to allow the scenario files to find the associated part.
4. Press **Add Assembly** and select the top-level assembly part file to import into iMAN and press **OK**.
5. Use **Add Assembly** to include all of the scenario files in the import operation.
6. Click the **Main tab** and select **Use Existing** from the **Default Import Action** drop down list.
7. Click the **Numbering tab** and select **Auto Translate** from the import Numbering drop down list.
8. Click the **Checkouts tab** and select **Checked In** if you want the files to automatically be checked in on import.
9. Click the **Main tab** and select **Dry Run**. Press **Execute** to see if there will be any possible problems with the import.
10. Select **Full** from the **Reports** drop down list then click **Report to Information Window** to verify that all parts will be named correctly. If any names are incorrect, click **Exceptions** under the **Numbering tab** to correct the number of the problem part.
11. Once satisfied, make sure **Dry Run** is turned off and press **Execute** to import the files.

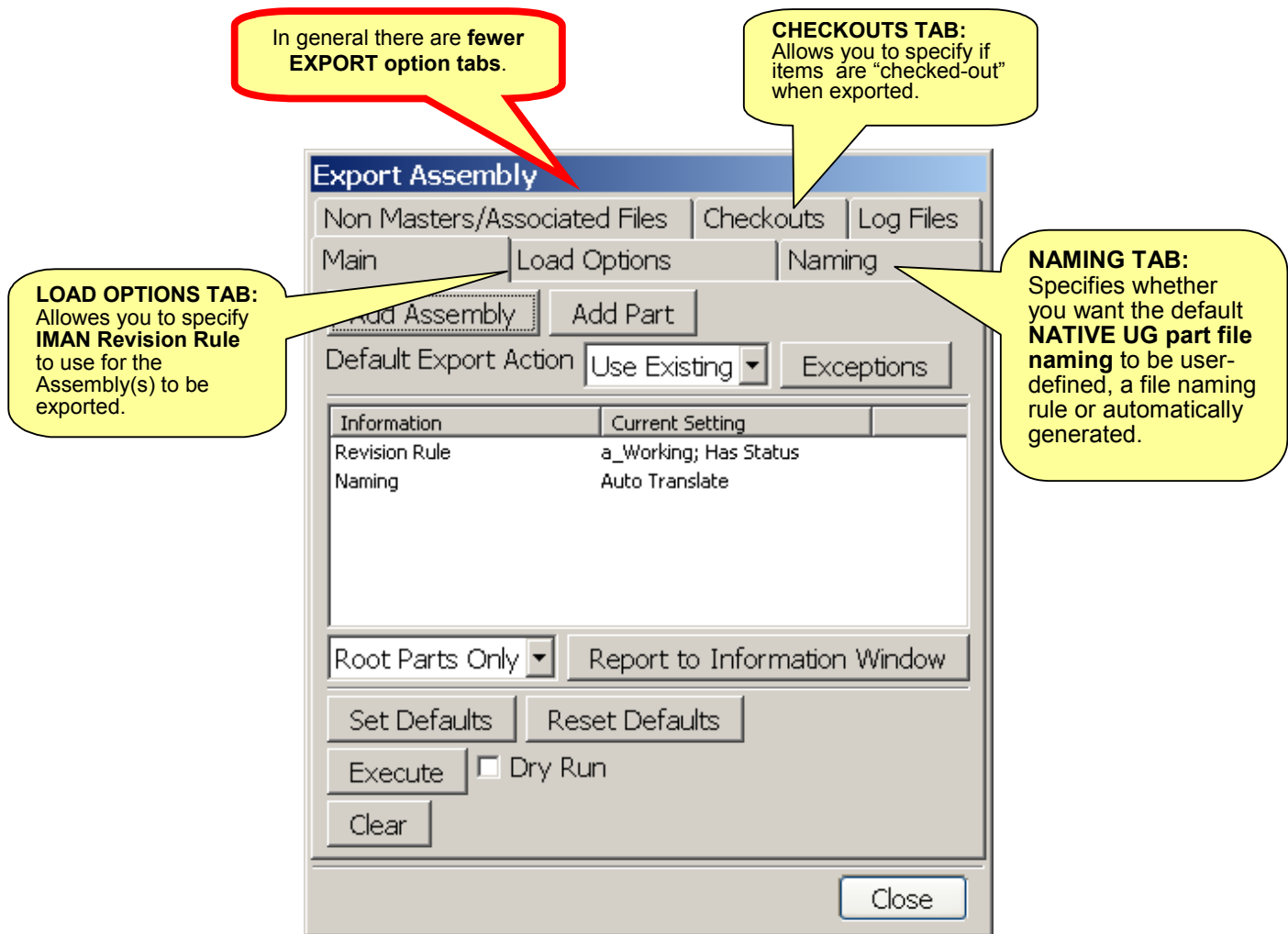


NOTE: All UG/Scenario part files **MUST** have *scenario* in the name for the auto translate to recognize it as a UG/Scenario part file.

Basic Export Procedure

The Export Clone Assembly Dialog Windows

The Export Clone Assembly dialog windows are similar to the Import dialogs. Before continuing with the Export Clone Assembly procedure, please observe some of the differences on the following Export Assembly dialog window.



Simple Export Assembly Clone Procedure

1. Click on the **Load Options** tab and make sure the iMAN revision rules are set as needed for the assembly to be able to locate the all its components.



NOTE: These settings refer to *iMAN REVISION RULE settings, NOT Native UG* load options.

Export Assembly

Non Masters/Associated Files | Checkouts | Log Files

Main | **Load Options** | Naming

☐ Load As Saved

Revision Rules:

- a_Working(Group); Has Status
- a_Working(User); Has Status
- a_Working; Has Status**
- e_Override; Approved
- e_Override; Working; Has Status

Date: **Today**

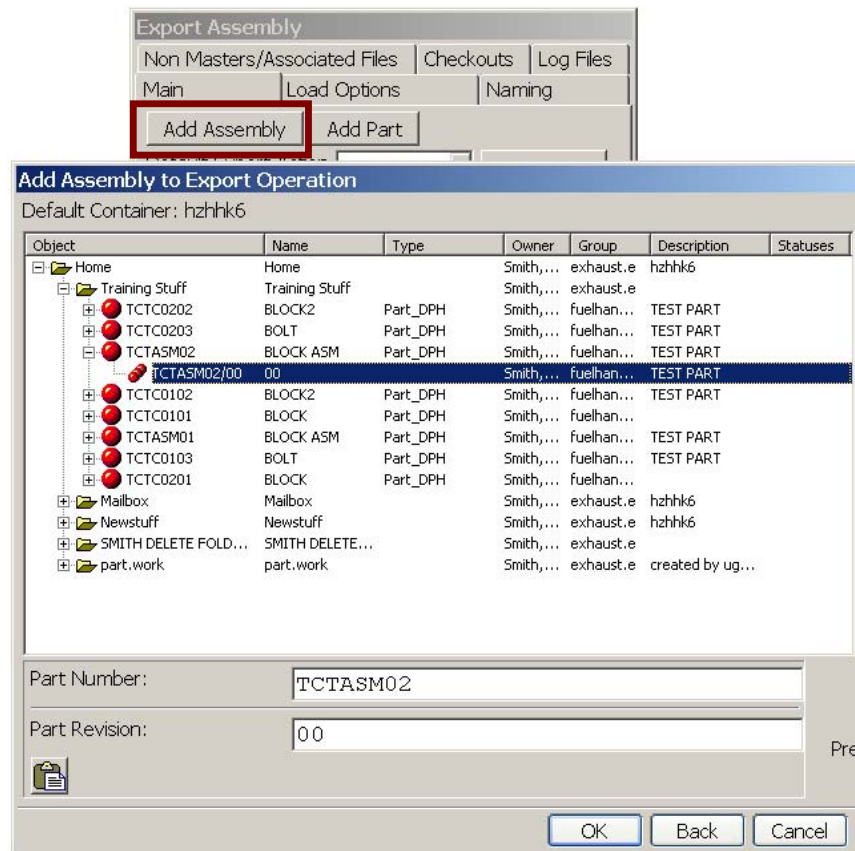
☐ Set Unit Number

Unit Number: 0

Add Assembly Add Part

2. Change settings if necessary, then Click on the **Main** tab.

- Press **Add Assembly** and select the top-level assembly item revision to export out of the iMAN database and press OK.



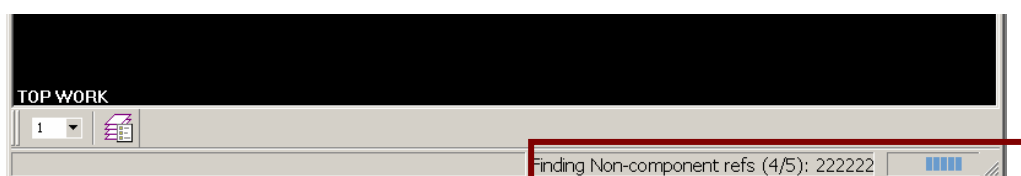
TIP: Repeat this step until all assemblies to be exported have been added to the current operation.



NOTE: If you want to export the **assembly drawings and component drawings that are the UGMASTER dataset(s) of a Drawing_DPH object**, use **Add Assembly** to include them in the import operation.

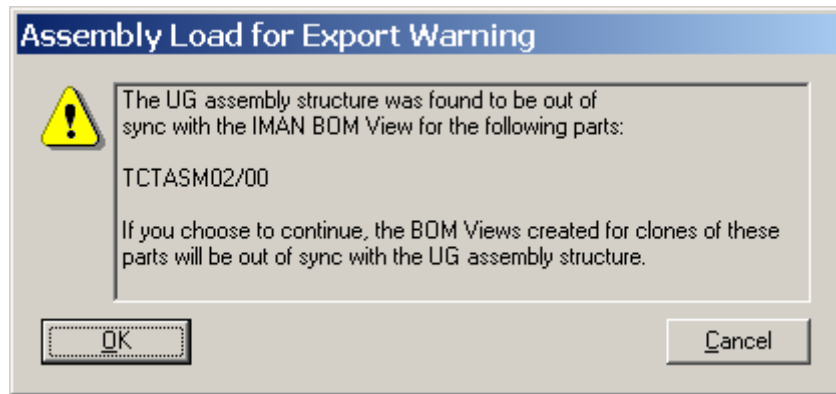


TIP: Check the Add Assembly progress in the Unigraphics STATUS line. **Unigraphics will be unresponsive until all the components of the assembly have been resolved.**

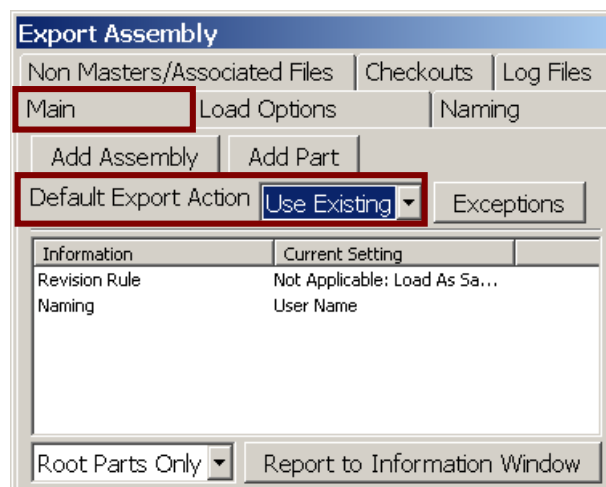




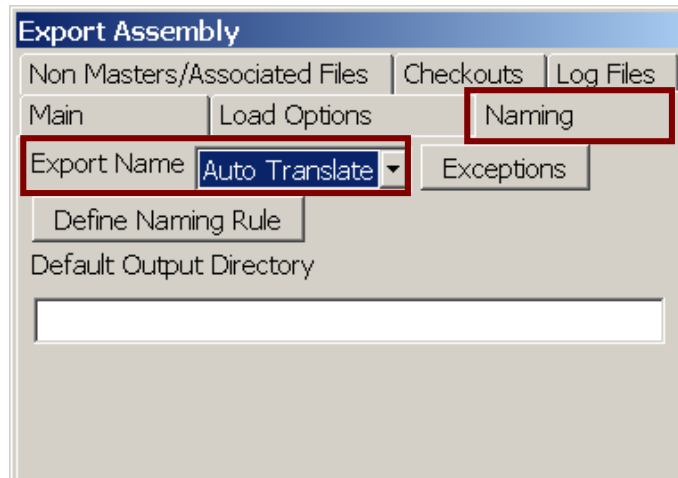
NOTE: If the components of the assembly can not be loaded, based on the REVISION RULE setting, you will receive the following warning. Click *CANCEL* and return to the *LOAD OPTIONS* dialog, (See Step 1), to correct the problem.



4. From the **Main Export Assembly dialog**, select **Use Existing** from the **Default Export Action** drop down list. Use this option if the assembly has been previously exported from the iMAN database, or some components of a new assembly already exist in the native UG output directory.

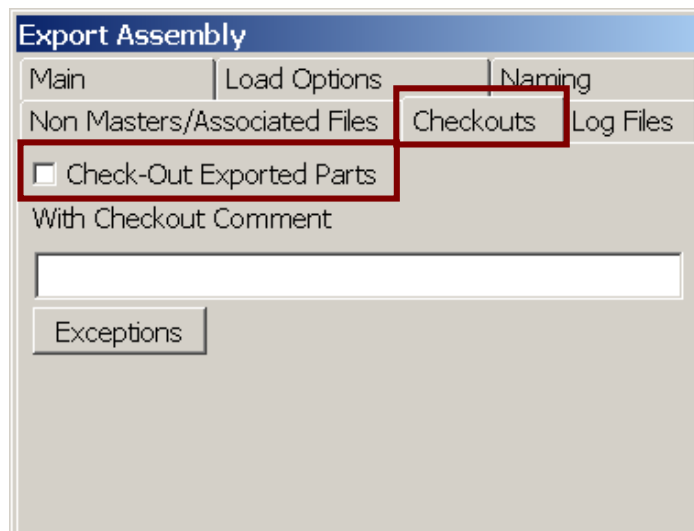


5. Click on the **Naming** tab and select **Auto Translate** from the **Export Naming** drop down list.

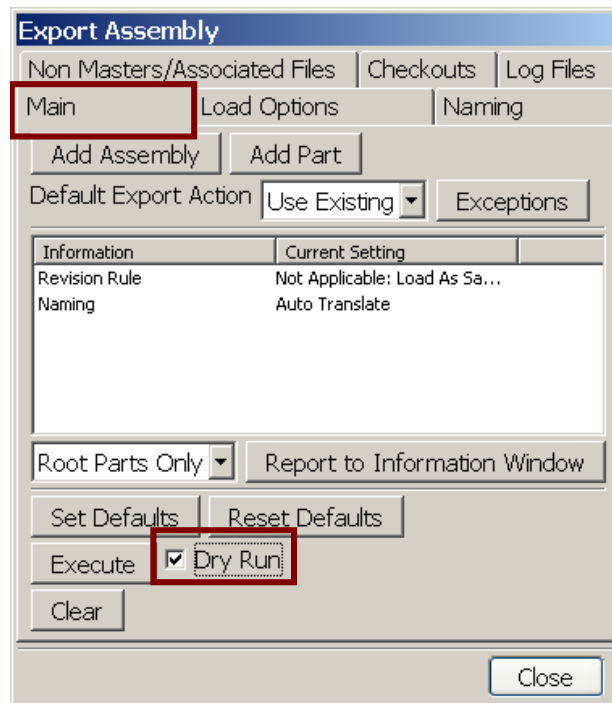


NOTE: In order for AUTO TRANSLATE to function properly, ***STRICT adherence to the Delphi iMAN Data Creation Standard file naming conventions is REQUIRED.***

6. Click the **Checkouts** tab and select the **Check-Out** button if you want the items to automatically be checked out on export.



- Click the **Main** tab and check **Dry Run** and press **Execute** to see if there will be any possible problems with the export.

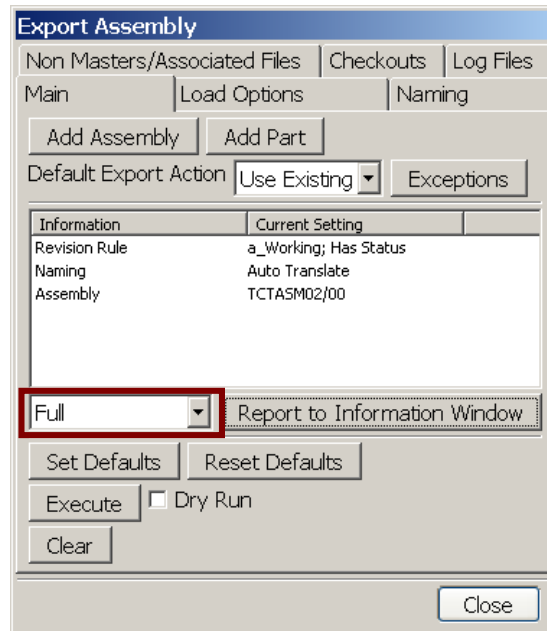


TIP: Check the Add Assembly progress in the Unigraphics STATUS line. **Unigraphics will be *unresponsive* until all the components of the assembly have been resolved.**

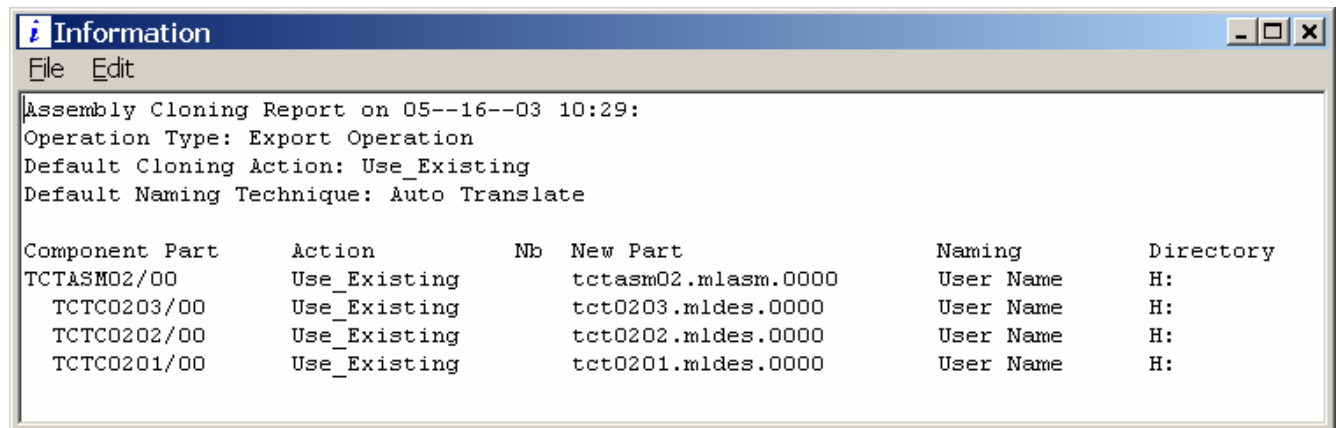


NOTE: The results of clicking **Dry Run** and then **Execute** will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.

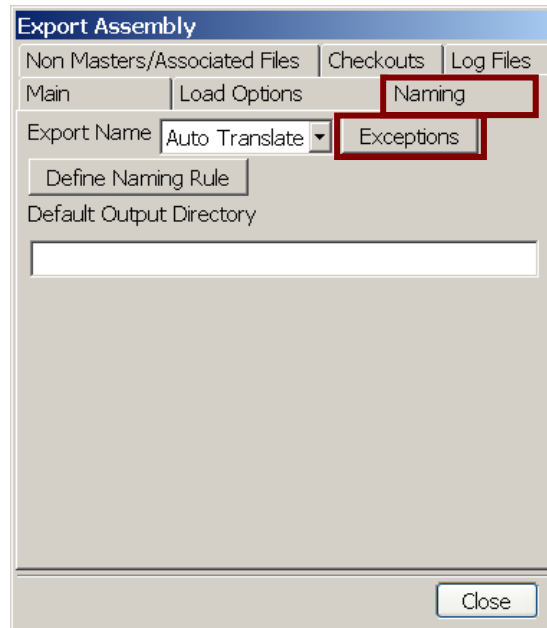
8. Select **Full** from the **Reports** drop down list then click **Report to Information Window** to verify that all parts will be named correctly.



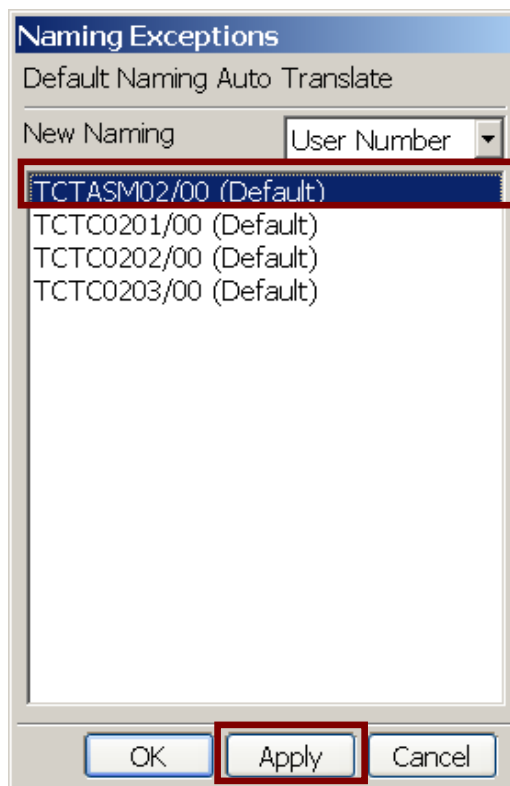
NOTE: The results of selecting **Full** from the Reports drop down list and clicking **Reports to Information Window** will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.



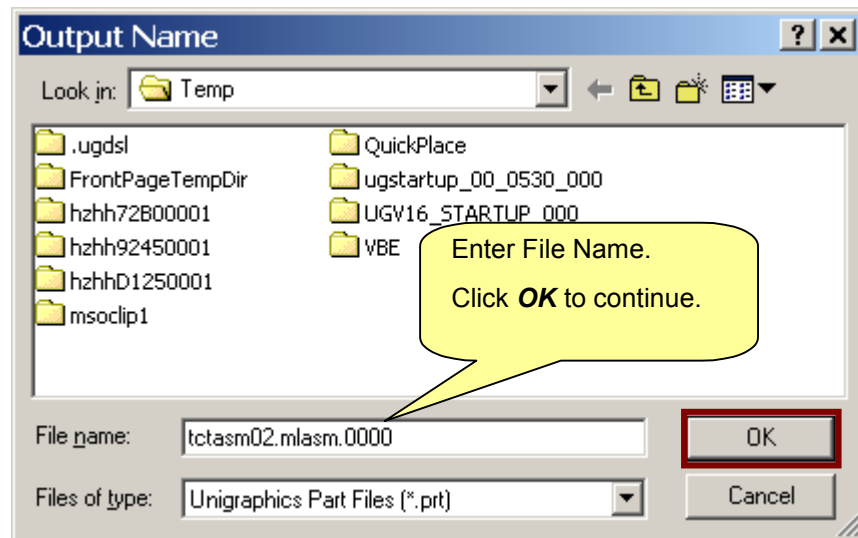
9. If any names are incorrect, or you want to change the file name, press **Naming** tab then **Exceptions** to correct the name of the problem item revision. If everything is OK, skip to step 13.



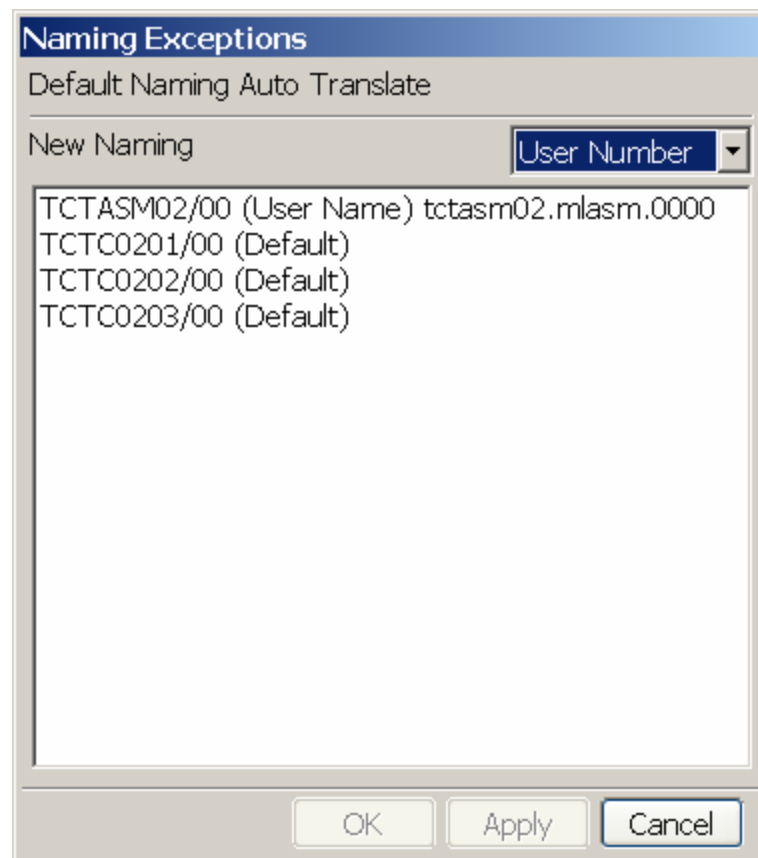
10. Select the item revision you would like to define the naming exception for and click **APPLY**. This will cause the native UG file dialog window to appear



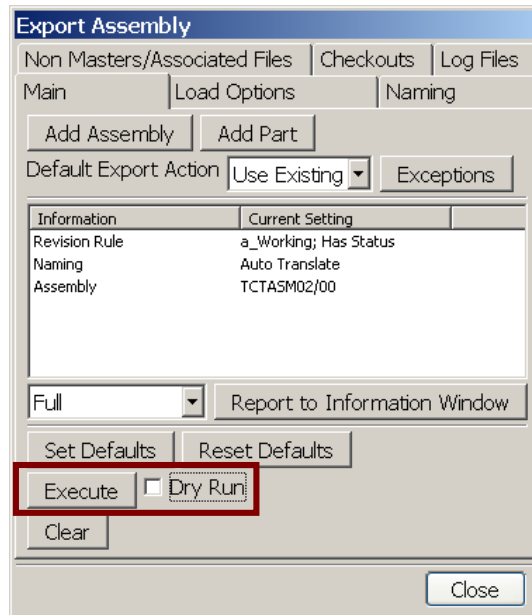
11. Correct the native UG file name to be what you desire, in accordance with Delphi DCS Native UG file naming rules.



12. Click **OK** to return to the Naming Exceptions dialog. Repeat step 10 and 11 until you have defined all the naming exceptions you desire. **When finished**, click **CANCEL** to dismiss the dialog window.




13. Once you are satisfied that all item revisions load and any exceptions you want to make are defined, make sure **Dry Run** is turned off and press **Execute** from the **Main tab** of the dialog window to export the iMAN objects.



TIP: Check the Export Assembly progress in the Unigraphics STATUS line. **Unigraphics will be *unresponsive* until all the components of the assembly have been exported.**



NOTE: The results of the **export operation** will be displayed in the Unigraphics Information window. Following is an example of the output you might expect to see. Click **File -> Close** to close the information window.



```
Information
File Edit

Assembly Cloning Log File
&LOG Operation_Type: EXPORT_OPERATION
Revision rule current when this operation was performed: "a_Working; Has Status"
&LOG Default_Cloning_Action: USE_EXISTING
&LOG Default_Naming_Technique: AUTO_TRANSLATE
&LOG Default_Copy_Associated_Files: Yes
&LOG Default_Non_Master_Copy: specification Yes
&LOG Default_Non_Master_Copy: manifestation Yes
&LOG Default_Non_Master_Copy: altrep Yes
&LOG Default_Non_Master_Copy: scenario Yes
&LOG
&LOG Part: @DB/TCTASM02/00
&LOG Cloning_Action: USE_EXISTING Naming_Technique: USER_NAME
&LOG Clone_Name: "H:\tctasm02.mlasm.0000.prt"
&LOG Container: hzhhk6
&LOG Part_Type: Part_DPH
&LOG Part_Name: "BLOCK ASM"
&LOG Part_Description: "TEST PART"
&LOG Associated_Files_Directory: "H:\tctasm02.mlasm.0000"
&LOG
&LOG Part: @DB/TCTC0203/00
&LOG Cloning_Action: USE_EXISTING Naming_Technique: USER_NAME
&LOG Clone_Name: "H:\tct0203.mldes.0000.prt"
&LOG Container: hzhhk6
&LOG Part_Type: Part_DPH
&LOG Part_Name: BOLT
&LOG Part_Description: "TEST PART"
&LOG Associated_Files_Directory: "H:\tct0203.mldes.0000"
&LOG
&LOG Part: @DB/TCTC0202/00
&LOG Cloning_Action: USE_EXISTING Naming_Technique: USER_NAME
&LOG Clone_Name: "H:\tct0202.mldes.0000.prt"
&LOG Container: hzhhk6
&LOG Part_Type: Part_DPH
&LOG Part_Name: BLOCK2
&LOG Part_Description: "TEST PART"
&LOG Associated_Files_Directory: "H:\tct0202.mldes.0000"
&LOG
&LOG Part: @DB/TCTC0201/00
&LOG Cloning_Action: USE_EXISTING Naming_Technique: USER_NAME
&LOG Clone_Name: "H:\tct0201.mldes.0000.prt"
&LOG Container: hzhhk6
&LOG Part_Type: Part_DPH
&LOG Part_Name: BLOCK
&LOG Part_Description: ""
&LOG Associated_Files_Directory: "H:\tct0201.mldes.0000"
&LOG
```

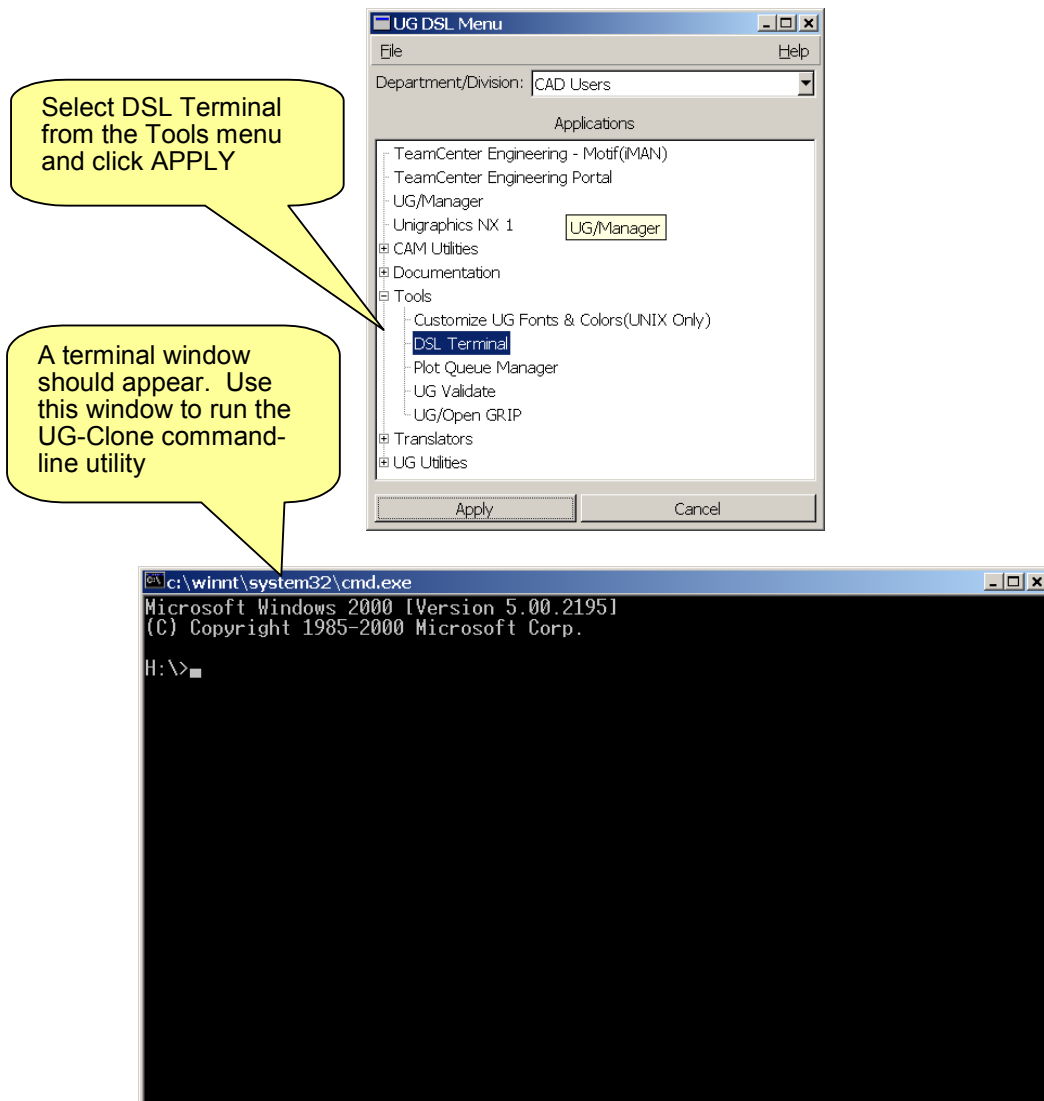

Exporting UG Scenario Files

Exporting UG/Scenario files does not require any additional steps then the normal export procedure. Make sure that the **scenario relation** is selected under **Non-Master/Associated File Export** tab.

Clone Import/Export Command-Line Utility

EDS/PLM (Unigraphics) provides a command-line utility that “duplicates” most of Import/Export Clone functions available in the UG/Manager Import/Export Assembly dialogs. ***It is recommended that you NOT use the command-line utility if you have access to TeamCenter Engineering and UG.***

To use the command-line utility, open a DSL Terminal window from the DSL Menu.



In the terminal window, execute **ug_clone**. The program takes the following arguments:

KEYWORD	VALUE
-p [pim]	Set to yes to initialize UG/Manager, rather than native Unigraphics NX.
-u [user]	iMAN username.
-g [group]	iMAN group.
-p [password]	iMAN password.
-o [operation]	These keyword values are required: clone , edit , import , export . These keyword values must precede the following arguments.
-asse [assembly]	Specifies the root assembly. To add an assembly to the operation, the value may be repeated.
-p [single part]	Specifies the Item ID of a single part of the assembly to be cloned. To add a part to the assembly, this value may be repeated.
-default_checki [default check-in]	The default setting is no .
-default_checko [default check-out]	The default setting is no . yes: <comment> no .
-default_a [default action]	The values are clone , retain , overwrite , use_existing .
default_n [default naming]	The values are autogen , autotranslate , name_rule , user_name .
-default_t [default type]	Specifies the default UG/Manager item type.
-asso [associated file root directory]	Specifies the default UG/Manager associated file directory.
-copy_a [copy associated files]	Specifies whether to copy UG/Manager Associated files. The default setting is yes .
-copy_n [copy non-master]	Specifies whether to copy UG/Manager Non-Master files. This value may be repeated.
-default_o [default owner]=<user><group>	Specifies the default UG/Manager user and group to own the parts.
-n [name rule]	The keyword values are: prepend , append , replace , rename . prepend: <string> append: <string> replace: <base_string>
-l [load log file]=<log_file_name>	This value may be repeated.
-s [save log file]=<log_file_name>	The default setting is <operation>.clone.
-dryrun	Indicates whether the utility will proceed as expected, without actually performing the clone.

Refer to the UG NX 1 Online Documentation for more information.

Batch Clone Import Example

In the Terminal windows, type the following commands:

```
1. cd <directory where files to import are>
2. ug_clone -pim=yes -o=import -default_a=overwrite -
   default_n=autotranslate -asse=12345678.mlasml.0004.prt -
   asse=87654321.mlasml.0002.prt
```

Batch Clone Export Example

In the Terminal windows, type the following commands:

```
1. cd <directory to place exported files in>
2. ug_clone -pim=yes -o=export -default_a=overwrite -
   default_n=autotranslate -asse=@DB/12345678/02
```



NOTE: To export an Item/Rev from the database it MUST be written in the form:
@DB/<item name>/<rev>

Batch Clone Using A Clone Log File

Sometimes more control is needed that cannot be specified easily in ug_clone. The way to utilize all the functionality and also use ug_clone is to create clone log files. To do this follow these steps:

1. Follow the appropriate steps to import or export the assemblies using the UG/Manager Import/Export Assembly Clone dialog. Stop before executing the dry run(step 7).
2. Press the **Specify** button under the **Log Files** section.
3. Enter the log file name and press **OK**.
4. Toggle on **Dry Run** and press **Execute**. The log file will be created at this point.
5. Exit UG/Manager and open a **Terminal** window using the DSL Menu.
6. Type in the command:
`ug_clone -pim=yes -o=<import/export> -l=<log filename>.`

This process can be useful for importing at a remote site. Create the clone log file locally, transfer the files and the log file to the remote site and then run ug_clone at the remote site.