

# NX 1847 Series – Monthly Update

## **Welcome to NX**

December 2019

Dear Siemens Customer:

We are proud to introduce the latest release of our product development solution. With this release, we continue to provide innovative ways to deliver solutions that meet the next generation of your product design, development, and manufacturing challenges. The new version of NX is robust and powerful, and it delivers advanced technologies for product design, development, and manufacturing in a single, multidisciplinary platform. It preserves best-in-class customer deployment readiness and builds on the productivity and stability achievements of the previous release.

Sincerely,  
Siemens Digital Industries Software

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## NOTICES

### **NX Automatic Update**

Automatic updates will not be available for releases on NX 1847 Series after NX 1867, including NX 1867.4740. Users who are on 1867 with automatic update option turned on will be notified to download and install the 1899 release. If any release on the NX 1847 Series is preferred, users must download the release from the GTAC Download Server.

### **Enhancements in Maintenance Releases**

No enhancements (ER fixes) are included in Maintenance Releases – any release on the NX 1847 Series following NX 1867.

### **NX Release Summaries**

Main and maintenance release summaries are collected in the final section of this document.

NX 1867.5000

## 1867.5000 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
NXMANAGER	11
CAM	9
DRAFTING	8
TC_FEATURES	6
ASSEMBLIES	5
KDA	5
PMI	4
ROUTING_GENERAL	4
DESIGN	3
CORRUPTED_PARTS	1
TRANSLATOR	1
ANIMATION_DES	1
GATEWAY	1
<b>Grand Total</b>	<b>59</b>

## NX 1867.4740

### 1867.4740 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for the PR updates included in this release.

Release	PR Number	Description	Application	Function	Sub_Function
1867.4740	8429780	CGM is not created when saving parts in NX + TC Integ	DRAFTING	FILE_OPS	CGM_DRAWING
1867.4740	9478287	View NX1847 ugpert in TC cannot find CGM DATA	DRAFTING	FILE_OPS	CGM_DRAWING
1867.4740	9506858	CGM Data are not saved in the PRT file from NX1863	DRAFTING	FILE_OPS	CGM_DRAWING
1867.4740	9558040	CGM view shows previous version	DRAFTING	FILE_OPS	CGM_DRAWING
1867.4740	9626353	Saving Drawing fails to generate the CGM data	DRAFTING	FILE_OPS	CGM_DRAWING

NX 1867.4720

## 1867.4720 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for the PR updates included in this release.

Release	PR Number	Description	Application	Function	Sub_Function
1867.4720	9512158	PTS part remains work part after added to assembly, making it an assembly	KDA	REUSE_LIBRARY	ADD_REUSE_COMP

NX 1867.4701

## 1867.4701 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
DRAFTING	11
ROUTING_GENERAL	9
ASSEMBLIES	8
CAM	7
NXMANAGER	4
TRANSLATOR	3
KDA	3
TC_FEATURES	2
SYSENG	2
DESIGN	2
NX_SHEET_METAL	2
CAE	1
GATEWAY	1
<b>Total</b>	<b>55</b>



NX 1867.4400

## 1867.4400 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
CAM	8
TRANSLATOR	7
DRAFTING	6
KDA	4
ASSEMBLIES	3
NXMANAGER	3
SYSENG	3
CAE	2
DESIGN	1
GATEWAY	1
ROUTING_ELEC	1
ROUTING_MECH	1
<b>Total</b>	<b>40</b>

NX 1867.4100

## 1867.4100 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
ASSEMBLIES	7
ROUTING_GENERAL	5
DRAFTING	3
PMI	1
NXMANAGER	1
<b>Total</b>	<b>17</b>

## NX 1867

### 1867 UPDATES

#### **NX Automatic Update**

Automatic updates will be available for the NX 1867 release and onwards. Users who are on 1867 with automatic update option turned on will be notified to download and install the 1872 release.

### 1867 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.]

<b>Application</b>	<b>Count of PR Number</b>
NX_SHEET_METAL	10
CAM	9
SHIP_DESIGN	4
CAE	3
GATEWAY	3
NXMANAGER	3
PMI	3
ASSEMBLIES	2
DESIGN	2
TRANSLATOR	2
CMM_INSPECTION	1
ROUTING_ELEC	1
ROUTING_GENERAL	1
TC_FEATURES	1
<b>Total</b>	<b>45</b>

### 1867 ENHANCEMENTS

No ERs were included in this update.

# Routing PLMXML Export/Import

*Version 1, April 5, 2019*

## Introduction

We have added the capabilities to explicitly export/import Routing electrical connector/connection data to/from various datasets under an Item Revision in Teamcenter. The dataset type, the dataset relation, and named reference type are all configurable via the Routing electrical preferences in the appview file.

In previous versions of NX, it was only possible to export Routing electrical connector/connection data to a dataset named "Routing Electrical Data" under an Item Revision as it was being saved. Also, it was only possible to import the Routing electrical connection/connection data from this pre-defined dataset named if it had been saved with the Item Revision.

## Configuration

The user can configure the dataset type and dataset relation to the item revision through the "Electrical\_Preferences" section of the electrical appview file, like in the example below:

```
<PLMXML_DATASET_TYPE>  
    NX Routing  
</PLMXML_DATASET_TYPE>
```

Similarly, the relation that the dataset has with the item revision is specified like:

```
<PLMXML_DATASET_RELATION>  
    IMAN_manifestation  
</PLMXML_DATASET_RELATION>
```

And the named reference type can be specified as:

```
<PLMXML_NAMED_REFERENCE_TYPE>  
    NXRoutPlmXml  
</ PLMXML_NAMED_REFERENCE_TYPE >
```

From NX1872 onward, the existing functionality to automatically export PLMXML on save will use the above settings as well, though the name of the dataset and named reference will remain as is.

## Command Location

The commands to export/import the connection/connector data to/from an Item Revision will be available under the existing commands available from the Component Navigator and Connection Navigator

1. RMB->"Export to PDM"
2. RMB->"Import from PDM"

Currently, "Export to PDM" is only available if there is at least one component in the component navigator or at least one connection in the connection navigator. It will be greyed out on the RMB menu options on the Connection/Component Navigators if there is no data to export.

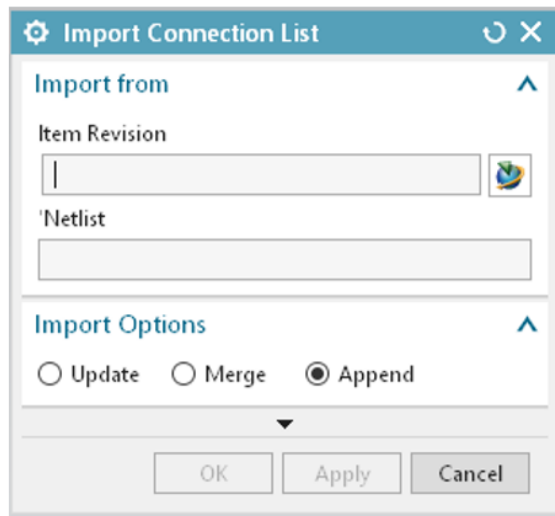
It will also be available from the main menu:

- Tools -> Connection List -> Import from PDM System
- Tools -> Connection List -> Export to PDM System
- Tools -> Component List -> Import from PDM System
- Tools -> Component List -> Export to PDM System

If invoked from the Connection List or Component List menus on the main menu toolbar, it will never be greyed out, but a warning dialog will popup stating "Routing: Part file contains no electrical data" and it will then immediately exit the command.

## Usage

When the "Import from PDM" command is invoked, the following dialog appears:



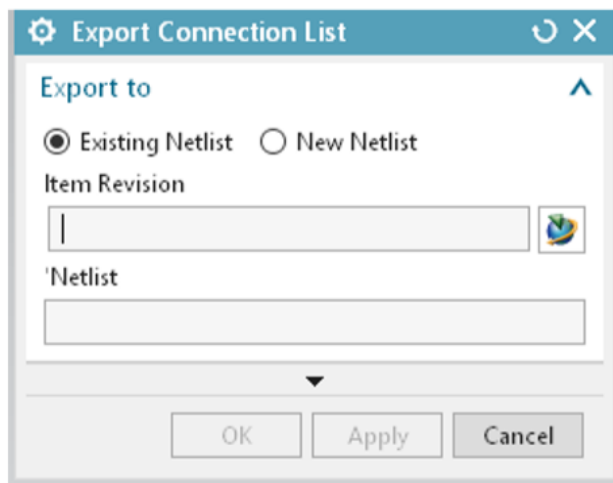
Within this dialog, you specify the inputs to import a PLMXML file with connection/connector data into the current NX routing session. The inputs are:

1. The dataset and its associated item/revision in Teamcenter from which the data is being imported from
2. The import mode, Update/Merge/Append.

The import mode behavior is as follows:

- **Append:** adds all the connections and/or connectors imported to the existing set of connections and/or connectors in the session. It creates new connectors and/or connections for each connector and/or connection imported.
- **Merge:** maps any imported connections and/or connectors imported to the existing set of connections and/or connectors in the session. This option will create any connections and/or connectors that don't exist in the session and map the imported connectors and/or connections to either existing connectors and/or connections or the newly created one.
- **Update:** overwrites any matching connections and/or connectors in the session with the imported connections and/or connectors that match. It will create any connections and/or connectors that don't exist in the session as needed.

When the “Export to PDM” command is invoked, the following dialog appears:



Within this dialog, you specify the inputs to export a PLMXML file with connection/connector data into the dataset of an item/revision in Teamcenter. The inputs are:

1. If you are overwriting and “Existing Netlist” dataset or creating a “New Netlist” dataset on the item/revision to be exported to
2. The item/revision to create the dataset on OR to overwrite an existing dataset for
3. The name of the new dataset to create on the item/revision OR the name of the existing dataset on the item/revision to overwrite

### Reverting to Old Behavior

If the user desires to maintain the old behavior under the existing commands, the user needs to set the environment variable “UGII\_ROUTING\_OLD\_PDM\_EXCHANGE=1”. With this environmental variable set, the above mentioned commands will take their old forms, and the new commands will be named “Export PLMXML to Teamcenter” and “Import PLMXML from Teamcenter”.

## NX 1863

### 1863 UPDATES

#### **NX Automatic Update**

Automatic updates will be available for the NX 1863 release and onwards.

### 1863 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
ASSEMBLIES	10
CAE	9
CAM	9
SYSENG	6
KDA	5
DRAFTING	5
ROUTING_GENERAL	4
ADD_FIXED_PLANE	4
DESIGN	3
NXMANAGER	3
NASTRAN	2
SHIP_DESIGN	1
CORRUPTED_PARTS	1
DMU	1
<b>Total</b>	<b>63</b>

### 1863 ENHANCEMENTS

No ERs were included in this update.

## NX 1859

### 1859 UPDATES

#### **NX Automatic Update**

The issue where the NX Automatic Update feature did not have NX 1855 available for download is addressed in NX 1859. Automatic updates will be available for the NX 1863 release and onwards.

#### **Teamcenter**

The issue where the Associate to NX and Disassociate from NX buttons are not available in the Active Workspace web client in NX is addressed in NX 1859. When NX is integrated with Teamcenter 11.6, the Associate to NX and Disassociate from NX buttons are available in the Active Workspace web client in NX by setting the PLE\_AnalysisRequest\_CopyAttribute preference in Teamcenter.

### 1859 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
SYSENG	11
CAM	9
ASSEMBLIES	8
NXMANAGER	6
ROUTING_GENERAL	6
CAE	4
DESIGN	3
MECHATRONICS	2
GATEWAY	2
KDA	1
NX_SHEET_METAL	1
DRAFTING	1
CMM_INSPECTION	1
ROUTING_ELEC	1
<b>Total</b>	<b>56</b>

### 1859 ENHANCEMENTS

No ERs were included in this update.



## NX 1855

### 1855 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reports.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

<b>Application</b>	<b>Count of PR Number</b>
CAM	20
DESIGN	7
ROUTING_ELEC	4
ROUTING_GENERAL	3
ROUTING_MECH	2
CAE	2
ASSEMBLIES	2
STUDIO_DESIGN	1
SYSENG	1
DRAFTING	1
<b>Total</b>	<b>43</b>

### 1855 ENHANCEMENTS

No ERs were included in this update.

## NX 1851

### 1851 UPDATES

#### SFB-NX-8007909

The issue where NXGateway.exe was falsely flagged by a few virus checkers in NX 1847 is addressed in NX 1851.

The fix addresses the issue with the virus checker and also renames the utility to Siemens Cloud Connector Service, i.e., SccS.exe. After you download the MU, the NX MSI installer will remove the old executable and replace it with the new executable.

#### NX18XX CATIAV5 Translator Caveat

NX File->Open and File->Import of Catia V5 files (\*.CATProduct and \*.CATPart) will contain no geometry if the Current directory (as seen in the system log file) is an unwritable directory. The recommended temporary work around is to set the environment variable SCA\_TMP\_DIR to a writable directory prior to starting NX.

### 1851 FIXED PROBLEM REPORTS

For a cumulative list of PR fixes, see Fixed\_Problem\_Reportss.csv included with the release documents.

Please see the table below for a summary of the PR updates included in this release.

Application	Count of PR Number
NX_SHEET_METAL	9
DESIGN	8
CAM	7
SYSENG	5
MFG_LINE_DESIG	4
ASSEMBLIES	4
CLASSIFICATION	3
ROUTING_GENERAL	3
CAE	3
ROUTING_ELEC	2
NXMANAGER	2
CMM_INSPECTION	2
GATEWAY	2
KDA	1
ADV_SHEET_METAL	1
DRAFTING	1
<b>Total</b>	<b>57</b>

## 1851 ENHANCEMENTS

Please see below for a list of enhancements included in this release.

ERs

- 8395265 - Fixed Unfolded Length Type for Resize Bend Radius changes geometry of the part

## NX RELEASE SUMMARIES

### NX 1847 Series Summary

A complete list of NX 1847 Series releases is included below.

#### NX 1847 Functional Release – Jan 2019

- NX 1851 Monthly Update – Feb 2019
- NX 1855 Monthly Update – Mar 2019
- NX 1859 Monthly Update – Apr 2019
- NX 1863 Monthly Update – May 2019
- NX 1867 Monthly Update – Jun 2019
- NX 1867.4100 Maintenance Software Fix – Jul 2019
- NX 1867.4400 Maintenance Software Fix – Aug 2019
- NX 1867.4701 Maintenance Software Fix – Oct 2019
- NX 1867.4720 Maintenance Software Fix – Nov 2019
- NX 1867.4740 Maintenance Software Fix – Dec 2019
- NX 1867.5000 Maintenance Software Fix – Dec 2019

### Main Release Summaries

The following table represents a release overview of the PR and ER fix counts. More details can be found in the Fixed\_Problem\_Reports.CSV file that accompanies this release.

Release	PR Count	ER Count	Total
1867	45	1	46
1863	63	0	63
1859	56	2	58
1855	43	1	44
1851	57	1	58
<b>Total</b>	<b>264</b>	<b>5</b>	<b>269</b>

The following tables show high level area overviews of the PR fixes in each main release.

1867

Application	Function	Sub-function	PR Count
ASSEMBLIES	ASSEMBLY_MODEL	DEFORM	1
ASSEMBLIES	WAVE	GRAPH_BROWSER	1
CAE	ADV_SIMULATION	DUR_SPEC_SOLV	1
CAE	ADV_SIMULATION	SYSNOISE_IMPORT	1
CAE	MOTION	MDF	1
CAM	BASIC_FUNCTIONS	UNDETERMINED	1
CAM	FEATURE_BASED	OTHER	1
CAM	MILLING	GEOMETRY	3
CAM	SURFACE_CONTOUR	FASC_VAR_PROJ	1
CAM	SURFACE_CONTOUR	VAR_AXIS_PATH	1
CAM	TURNING	TOOLS	1
CAM	VERIFY	OTHER	1
CMM_INSPECTION	PATH	ALL	1
DESIGN	EXPRESSION	FUNCTION_BUILDDR	1
DESIGN	FEATURE_MODEL	HOLE	1
GATEWAY	LAYER	ALL	1
GATEWAY	OPEN_JT	ASSOC_FEATURE	2
MANUFACTURING	MANUFACTURING	MFG_PREP	1
MANUFACTURING	MANUFACTURING	PLATE_PREP	3
NX_SHEET_METAL	CLOSED_CORNER	ALL	1
NX_SHEET_METAL	FLANGE	ALL	9
NXMANAGER	FILE_OPEN	MINIMAL_LOAD	1
NXMANAGER	PREFERENCES	ALL	2
PMI	CHECKING	CORE	1
PMI	JT_INPUT	ALL	1
PMI	WAVE	CORE	1
ROUTING_ELEC	PREFERENCES	ALL	1
ROUTING_GENERAL	STOCK_AS_COMP	EDIT_STOCK	1
TC_FEATURES	RESOURCE_MGR	AUTO_ASSEMBLY	1
TRANSLATOR	NX_JT	GENERAL	1
TRANSLATOR	NX_JT	TC_INTEGRATION	1
<b>Total</b>			<b>45</b>

1863

Application	Function	Sub-function	PR Count
ADD_FIXED_PLANE	NESTING	OTHER	1
ADD_FIXED_PLANE	SUPPORTS	OTHER	2
ADD_FIXED_PLANE	SUPPORTS	USER_INTERFACE	1
ASSEMBLIES	ARCHITECTURE	CONNECTIVITY	2
ASSEMBLIES	ASSEMBLY_MODEL	ARRANGEMENTS	1
ASSEMBLIES	ASSEMBLY_MODEL	REFERENCE_SETS	1
ASSEMBLIES	PART_FILE_OPS	OPEN_UG_PART	4
ASSEMBLIES	POSITIONING	CONSTRAINTS	1
ASSEMBLIES	UPDATESTRUCTURE	FULL	1
CAE	ADV_SIMULATION	BOUNDARY_COND	2
CAE	ADV_SIMULATION	LAYOUTSTATES	1
CAE	ADV_SIMULATION	MESH_CONTROL	1
CAE	ADV_SIMULATION	NASTRN_NX_LANG	1
CAE	ADV_SIMULATION	POST_APPL_SPECI	1
CAE	ADV_SIMULATION	POST_PROBE	2
CAE	MOTION	FUNCTION_EDITOR	1
CAM	BOUNDARIES	ALL	2
CAM	POSTPROCESS	NX_POST	1
CAM	TC_MFG	MRL_CONNECT	2
CAM	TC_MFG	OTHER	3
CAM	VERIFY	3D_DYNAMIC	1
CORRUPTED_PARTS	DRAFTING	ALL	1
DESIGN	ARCHITECTURE	MODEL_DELAY	1
DESIGN	FILE_OPS	IMPORT_PARASOLI	1
DESIGN	WAVE	USER_ATTRIBUTES	1
DMU	WORKSET	ALL	1
DRAFTING	DRAWING/VIEW	CROSSHATCH	3
DRAFTING	DRAWING/VIEW	EXTRACTED_EDGES	1
DRAFTING	TABLES	PARTS_LIST	1
KDA	MOLDWIZARD	STANDARD_PARTS	1
KDA	VALIDATION	UNKNOWN	4
NASTRAN	STRUCTURES	SOL_402	2
NXMANAGER	CLONE_IMPORT	IMPORT_ASSEMBLY	1
NXMANAGER	FILE_OPEN	ARRANGEMEN_SYNC	1
NXMANAGER	FILE_SAVE_AS	NEW_ITEM	1
ROUTING_GENERAL	LEGACY_STOCK	EDIT_STOCK	1
ROUTING_GENERAL	PATH	ASSIGN_CORNER	1
ROUTING_GENERAL	PATH	SPLINE_PATH	1
ROUTING_GENERAL	STOCK_AS_COMP	EDIT_STOCK	1
SHIP_DESIGN	DRAFTING	SHIP_SECTN_DRWG	1
SYSENG	UI_TOOLS	DLG_MANAGEMENT	1

SYSENG	UI_TOOLS	RIBBON	1
SYSENG	UI_TOOLS	ROLES	2
SYSENG	UI_TOOLS	SWITCH_WINDOW	1
SYSENG	VISUALIZATION	PREFERENCES	1
<b>Total</b>			<b>63</b>

1859

Application	Function	Sub-function	PR Count
ASSEMBLIES	ASSEMBLY_MODEL	COMP_SUPPRESS	1
ASSEMBLIES	ASSEMBLY_MODEL	PROD_INTERFACES	1
ASSEMBLIES	ASSEMBLY_MODEL	USABILITY	1
ASSEMBLIES	PART_FILE_OPS	OPEN_UG_PART	1
ASSEMBLIES	POSITIONING	MOVE_COMPONENT	4
CAE	ADV_SIMULATION	DUR_SPEC_SOLV	1
CAE	ADV_SIMULATION	PHYS_PROP_TABLE	1
CAE	ADV_SIMULATION	SYSNOISE_SOLVER	1
CAE	PROCESS_STUDIO	APPLY_WIZARD	1
CAM	ADAPTIVE_MILL	ALL	1
CAM	FEATURE_BASED	FEATURE_RECOGNI	2
CAM	OPERATION	OTHER	2
CAM	TOOL_PATH	TOOL_AXIS_TILT	1
CAM	VERIFY	3D_DYNAMIC	1
CAM	ZLEVEL_MILL	OTHER	2
CMM_INSPECTION	PATH	ALL	1
DESIGN	CURVE	WRAP/UNWRAP	1
DESIGN	WAVE	UPDATE	2
DRAFTING	DRAWING/VIEW	SECTION_VW	1
GATEWAY	SPREADSHEET	ALL	2
KDA	REUSE_LIBRARY	REUSE_TC_LIB	1
MECHATRONICS	JOINT	SLIDING	1
MECHATRONICS	JOINT	FIXED	1
NX_SHEET_METAL	FLAT_PATTERN	ALL	1
NXMANAGER	DRAFTING	DRW_BOOKLETS	1
NXMANAGER	FILE_OPEN	PERFORMANCE	1
NXMANAGER	FILE_SAVE	ALL	3
NXMANAGER	FILE_SAVE_AS	NEW_ITEM	1
ROUTING_ELEC	CONNECTION_LIST	STOCK_REPORT	1
ROUTING_GENERAL	ADMINISTRATION	NXOPEN	1
ROUTING_GENERAL	PART	DEFORMABLE_PART	2
ROUTING_GENERAL	PART	PLACE_PART	1
ROUTING_GENERAL	REUSE_LIBRARY	SPECIFICATIONS	1
ROUTING_GENERAL	STOCK_AS_COMP	INSERT_STOCK	1
SYSENG	UI_TOOLS	TOOLBAR	5
SYSENG	VISUALIZATION	EXPORT_IMAGE	4
SYSENG	VISUALIZATION	MATERLSTEXTURES	2
<b>Total</b>			<b>56</b>



1855

Application	Function	Sub-function	PR Count
ASSEMBLIES	ASSEMBLY_MODEL	COMP_REPLACE	1
ASSEMBLIES	ASSEMBLY_MODEL	PROD_INTERFACES	1
CAE	ADV_SIMULATION	FEMALTREP_SET	1
CAE	ADV_SIMULATION	MATERIALS	1
CAM	BASIC_FUNCTIONS	UNDETERMINED	1
CAM	CAVITY_MILLING	OTHER	2
CAM	ISV	MACH_CODE_BASED	1
CAM	JOURNALING	ALL	2
CAM	OPERATION	OTHER	4
CAM	POSTBUILDER	INTERACTIVE	2
CAM	POSTBUILDER	POSTPROCESS	1
CAM	POSTPROCESS	ALL	1
CAM	POSTPROCESS	NX_POST	1
CAM	TOOLS	ALL	1
CAM	TURNING	FINISH	1
CAM	TURNING	IPW	3
DESIGN	CURVE	CIRCLE/ARC	1
DESIGN	CURVE	EDIT_CIRCLE/ARC	1
DESIGN	DESIGN_GROUPS	UNDETERMINED	1
DESIGN	FEATURE_MODEL	EXTRACT_FACE	1
DESIGN	FEATURE_MODEL	MOVE_OBJECT	1
DESIGN	WAVE	UPDATE	2
DRAFTING	AUTOMATION	BOOKLETS	1
ROUTING_ELEC	CONNECTION_LIST	IMPORT_ALL	1
ROUTING_ELEC	FORMBOARD_V2	FLIP_COMPONENT	1
ROUTING_ELEC	FORMBOARD_V2	UPDATE_FMBD	2
ROUTING_GENERAL	ADMINISTRATION	NXOPEN	1
ROUTING_GENERAL	PART	QUALIFY_PART	1
ROUTING_GENERAL	PREFERENCES	ROUTING	1
ROUTING_MECH	TOOLS	CUT_ELBOW	2
STUDIO_DESIGN	SUBDIVISION	SELECTION	1
SYSENG	UI_COMPONENTS	TABLE_EDIT_BLK	1
<b>Total</b>			<b>43</b>

1851

Application	Function	Sub-function	PR Count
ADV_SHEET_METAL	ADVANCED_FLANGE	ALL	1
ASSEMBLIES	ASSEMBLY_MODEL	COMP_REPLACE	1
ASSEMBLIES	ASSEMBLY_MODEL	REPRESENTATION	1
ASSEMBLIES	PART_FILE_OPS	PART_SAVE	1
ASSEMBLIES	POSITIONING	MOVE_COMPONENT	1
CAE	ADV_SIMULATION	CHK_MASS_PROPS	1
CAE	ADV_SIMULATION	FIELDS	1
CAE	ADV_SIMULATION	POST_PROBE	1
CAM	POSTBUILDER	POSTPROCESS	3
CAM	POSTPROCESS	ALL	1
CAM	POSTPROCESS	NX_POST	1
CAM	TOOL_PATH	DIVIDE	2
CLASSIFICATION	ADMIN	UNDETERMINED	3
CMM_INSPECTION	OTHER	ALL	1
CMM_INSPECTION	TC_INTEGRATION	ALL	1
DESIGN	FEATURE_MODEL	HOLE	6
DESIGN	FREE_FORM_MODEL	TRIM_EXTEND	2
DRAFTING	DRAWING/VIEW	VW_STATUS	1
GATEWAY	BLANK_UI	SHOW_AND_HIDE	2
KDA	WELD_ASSISTANT	SURFACE_WELD	1
MFG_LINE_DESIG	GENERAL	ALL	4
NX_SHEET_METAL	CLOSED_CORNER	ALL	2
NX_SHEET_METAL	DRAWN_CUTOUT	ALL	1
NX_SHEET_METAL	FLANGE	ALL	2
NX_SHEET_METAL	FLAT_PATTERN	ALL	1
NX_SHEET_METAL	FLAT_SOLID	ALL	2
NX_SHEET_METAL	RESIZE_BEND_RAD	ALL	1
NXMANAGER	FILE_SAVE	WORKSET	1
NXMANAGER	LOCKING	CHECKIN_CHKOUT	1
ROUTING_ELEC	CONNECTION_LIST	CREATE_CONN	1
ROUTING_ELEC	CONNECTION_LIST	IMPORT_UPDATE	1
ROUTING_GENERAL	PATH	HEAL_PATH	2
ROUTING_GENERAL	STOCK_AS_COMP	OVERSTOCK	1
SYSENG	INSTALL_ISSUES	ALL	4
SYSENG	VIRTUAL_REALITY	USER_INTERFACE	1
<b>Total</b>			<b>57</b>

## Maintenance Release Summaries

The following table represents a release overview of the PR fix counts. More details can be found in the Fixed\_Problem\_Reports.CSV file that accompanies this release.

Release	PR Count
1867.5000	59
1867.4740	5
1867.4720	1
1867.4701	55
1867.4400	40
1867.4100	17
<b>Total</b>	<b>118</b>

The following tables show high level area overviews of the PR fixes in each maintenance release.

## 1867.5000

Application	Function	Sub-function	PR Count
ANIMATION_DES	ALL	ALL	1
ASSEMBLIES	ASSEMBLY_MODEL	DESIGN_FEATURE	1
ASSEMBLIES	ASSEMBLY_MODEL	WEIGHT_MANAGE	1
ASSEMBLIES	PART_FAMILIES	GENERAL	1
ASSEMBLIES	SEQUENCING	MOTION	2
CAM	BASIC_FUNCTIONS	MIRROR	3
CAM	FLOOR_WALL_MILL	NON_CUT_MOVES	1
CAM	TC_MFG	MRL_CONNECT	1
CAM	TURNING	OTHER	1
CAM	TURNING	ROUGH	1
CAM	USER_DEF_EVENT	ALL	2
CORRUPTED_PARTS	ASSEMBLIES	ALL	1
DESIGN	EXPRESSION	INTERPART	2
DESIGN	EXPRESSION	MEASUREMENTS	1
DRAFTING	DIMENSION	LINEAR	1
DRAFTING	DRAWING/VIEW	SECTION_LINE	1
DRAFTING	FILE_OPS	CGM_DRAWING	5
DRAFTING	TABLES	TABULAR_NOTES	1
GATEWAY	OPEN_JT	UNDETERMINED	1
KDA	MOLDWIZARD	OTHER	1
KDA	REUSE_LIBRARY	ADD_REUSE_COMP	3
KDA	REUSE_LIBRARY	LIBRARY_MGT	1
NXMANAGER	ASSEMBLY	PART_FAMILY_CRE	4
NXMANAGER	ASSEMBLY	PENDING_COMP	1
NXMANAGER	FILE_OPEN	WORKSET	1
NXMANAGER	INTELLIGNT_SAVE	CORE	1
NXMANAGER	SEARCH	EFFECTIVITY	4
PMI	PART_NAV	ALL	1
PMI	SUPPRESS	ALL	1
PMI	TABLES	CORE	1
PMI	UPD_READING_DIR	ALL	1
ROUTING_GENERAL	CUST_DEFAULTS	GENERAL	1
ROUTING_GENERAL	PATH	CONNECT_PATH	1
ROUTING_GENERAL	REUSE_LIBRARY	PLACE_PART	1
ROUTING_GENERAL	STOCK_AS_COMP	EDIT_CHARX	1
TC_FEATURES	RESOURCE_MGR	AUTO_ASSEMBLY	6
TRANSLATOR	DXF_DWG	EXPORT_DRAFTING	1
<b>Total</b>			<b>59</b>

1867.4740

Application	Function	Sub-function	PR Count
DRAFTING	FILE_OPS	CGM_DRAWING	5
<b>Total</b>			<b>5</b>

1867.4720

Application	Function	Sub-function	PR Count
KDA	REUSE_LIBRARY	ADD_REUSE_COMP	1
<b>Total</b>			<b>1</b>

## 1867.4701

Application	Function	Sub-function	PR Count
ASSEMBLIES	ASSEMBLY_MODEL	COMP_REPLACE	2
ASSEMBLIES	ASSEMBLY_MODEL	DEFORM	1
ASSEMBLIES	ASSEMBLY_MODEL	DESIGN_FEATURE	1
ASSEMBLIES	ASSEMBLY_MODEL	FACET_JT_REPS	3
ASSEMBLIES	CONTEXT_CONTROL	MAKE_DISP_PART	1
CAE	ADV_SIMULATION	AFEM	1
CAM	DRILLING	GEOMETRY	1
CAM	LIBRARIES	FEEDS_SPEEDS	1
CAM	LIBRARIES	MECHANISM	1
CAM	TC_MFG	MRL_CONNECT	2
CAM	TC_MFG	OTHER	1
CAM	USER_INTERFACE	OTHER	1
DESIGN	EXPRESSION	INTERPART	2
DRAFTING	AUTOMATION	BOOKLETS	2
DRAFTING	DRAWING/VIEW	VW_ALIGNMENT	3
DRAFTING	DRAWING/VIEW	VW_CCP	3
DRAFTING	DRAWING/VIEW	VW_DEP_EDIT	1
DRAFTING	DRAWING/VIEW	VW_UPDATE	1
DRAFTING	TABLES	PARTS_LIST	1
GATEWAY	OPEN_JT	PROD_STRUCTURE	1
KDA	REUSE_LIBRARY	2D_SECTION	1
KDA	REUSE_LIBRARY	ADD_REUSE_COMP	1
KDA	WELD_ASSISTANT	ADD_REUSE_COMP	1
NX_SHEET_METAL	PREFERENCES	ALL	2
NXMANAGER	ASSEMBLY	PART_FAMILY_CRE	1
NXMANAGER	ATTRIBUTES	MAPPING	1
NXMANAGER	CLONE_IMPORT	IMPORT_ASSEMBLY	1
NXMANAGER	INTELLIGNT_SAVE	UI	1
ROUTING_GENERAL	CONSTRAINTS	GENERAL	1
ROUTING_GENERAL	PART	PLACE_PART	5
ROUTING_GENERAL	PATH	SPLINE_PATH	2
ROUTING_GENERAL	REUSE_LIBRARY	PTS_PART	1
SYSENG	SELECTION	SINGLE_SELECT	2
TC_FEATURES	RESOURCE_MGR	AUTO_ASSEMBLY	2
TRANSLATOR	CATIAV5	EXPORT_GEOMETRY	2
TRANSLATOR	NX_JT	GENERAL	1
<b>Total</b>			<b>55</b>

1867.4400

Application	Function	Sub-function	PR Count
ASSEMBLIES	ASSEMBLY_MODEL	ARRANGEMENTS	1
ASSEMBLIES	ASSEMBLY_MODEL	WEIGHT_MANAGE	1
ASSEMBLIES	PART_FILE_OPS	LOAD_OPTIONS_UI	1
CAE	ADV_SIMULATION	AFEM	1
CAE	ADV_SIMULATION	FIELDS	1
CAM	FEATURE_BASED	FEATURE_RECOGNI	1
CAM	FEATURE_BASED	FEATURE_RECOGNI	1
CAM	ISV	TOOL_PATH_BASED	1
CAM	MACHTOOL_BUILDR	ALL	1
CAM	TC_MFG	OTHER	1
CAM	USER_INTERFACE	OTHER	1
CAM	VERIFY	OTHER	1
CAM	WIRE_EDM	OTHER	1
DESIGN	CURVE	TRIM_CURVE	1
DRAFTING	DIMENSION	LINEAR	1
DRAFTING	DRAWING/VIEW	DWG_STATUS	1
DRAFTING	DRAWING/VIEW	VW_UPDATE	4
GATEWAY	OPEN_JT	PROD_STRUCTURE	1
KDA	GC_TOOLKIT	GEAR_MODELING	1
KDA	GENERAL_PACKAGE	BUMPER	1
KDA	PROGRESSIVE_DIE	DIE_BASE_DESIGN	1
KDA	VALIDATION	CK_INFO	1
NXMANAGER	FILE_SAVE	ALL	3
ROUTING_ELEC	COMPONENT_LIST	SELECT_ALL	1
ROUTING_MECH	TOOLS	BEND_REPORT	1
SYSENG	VIRTUAL_REALITY	GRAPHIC_DISPLAY	3
TRANSLATOR	DXF_DWG	ALL	1
TRANSLATOR	NX_JT	PMI	1
TRANSLATOR	NX_JT	TC_INTEGRATION	2
TRANSLATOR	RAPID_PROTO	BATCH_PROCESS	3
<b>Total</b>			<b>40</b>

1867.4100

<b>Application</b>	<b>Function</b>	<b>Sub-function</b>	<b>PR Count</b>
ASSEMBLIES	ASSEMBLY_MODEL	COMP_REPLACE	1
ASSEMBLIES	PART_FAMILIES	GENERAL	4
ASSEMBLIES	PART_FILE_OPS	FILE_NEW	1
ASSEMBLIES	PART_FILE_OPS	MINIMAL_LOAD	1
DRAFTING	DRAWING/VIEW	THREADS	3
NXMANAGER	MAKE_UNIQUE	ALL	1
PMI	SECTION_VIEW	CORE	1
ROUTING_GENERAL	PART	QUALIFY_PART	3
ROUTING_GENERAL	PATH	SIMPLIFY_PATH	1
ROUTING_GENERAL	RUN_NAVIGATOR	FIND_RUN	1
<b>Total</b>			<b>17</b>