

**CATIA  
Teamcenter  
Interface  
RII**

**CMI RII Release 3.1**

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**Functional Overview**

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3.1	November 2011

This edition obsoletes all previous editions.

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## Trademarks

CATIA is a registered trademark of Dassault Systèmes.

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Teamcenter is a registered trademark of Siemens PLM Corporation.

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# Preface

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## About this Document

This document provides an overview about the functional enhancements of the current CMI RII release. A history of the functional enhancements of previous releases is also provided.

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## Related Documents

The following manuals contain information about installation, usage and customization of the CATIA Teamcenter Interface:

Manual Title	Version
<i>CATIA Teamcenter Interface RII Installation Manual</i>	3.1
<i>CATIA Teamcenter Interface RII User Manual</i>	3.1
<i>CATIA Teamcenter Interface RII Customizing Manual</i>	3.1

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## Your Comments are Welcome

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# CMI RII VERSION 3.1

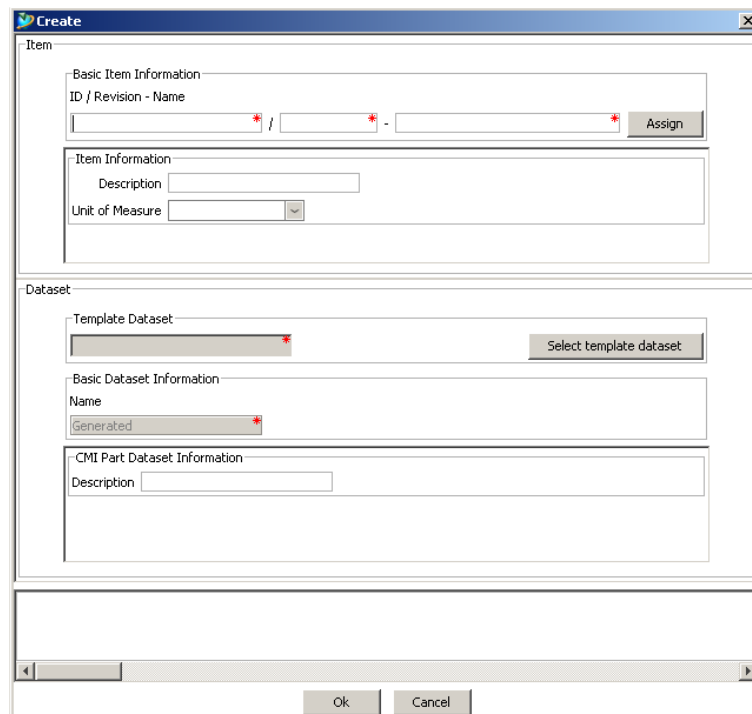
## New Functionalities

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### Start Part from Teamcenter

Now it is possible to create new CATIA files for a BOM CATPart, an AUX CATPart, a CATProduct, and a CATDrawing from Teamcenter. The template datasets are available in Teamcenter and their referenced CATIA files are used for the new CATIA file.

There is a new dialog to create an item with its dataset. In this dialog the template dataset can be selected (see Figure 1).



The screenshot shows a 'Create' dialog box with the following sections:

- Item**
  - Basic Item Information**: ID / Revision - Name (three input fields with asterisks) and an 'Assign' button.
  - Item Information**: Description (input field) and Unit of Measure (dropdown menu).
- Dataset**
  - Template Dataset**: Input field with asterisk and 'Select template dataset' button.
  - Basic Dataset Information**: Name (input field) and Generated (input field with asterisk).
  - CMI Part Dataset Information**: Description (input field).

At the bottom, there are 'Ok' and 'Cancel' buttons.

**Figure 1: The CMI RII Create dialog for item and dataset with template**

There is a new create dataset dialog. In this dialog the template dataset can be selected (see Figure 2).

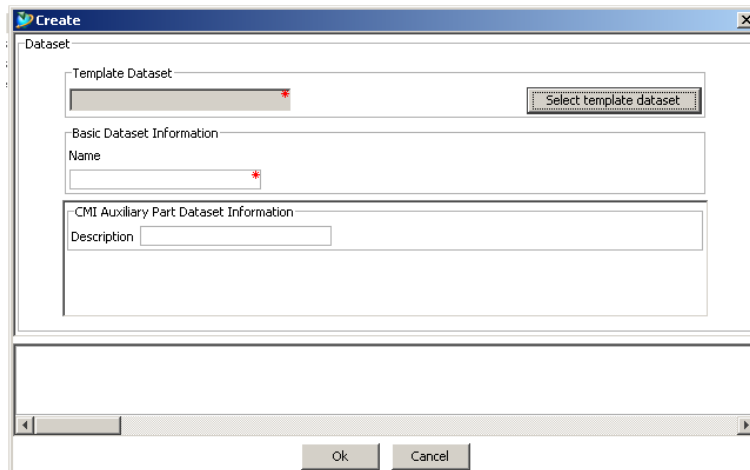


Figure 2: The CMI RII Create dialog for dataset with template

## Use of CATScript Macros in Catalog

CATScript files can now be registered in Teamcenter with the *CATIA Script* dataset CMI2Script.



New *Insert CATScript from Teamcenter* command allows insertion of CATScripts from Teamcenter into Teamcenter managed catalogs.

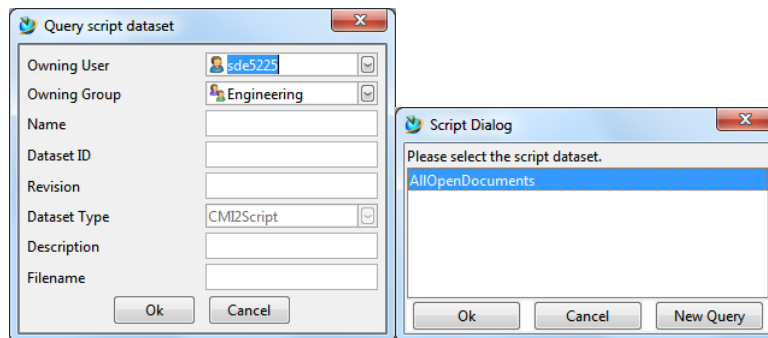


Figure 3: CATScript query in Teamcenter

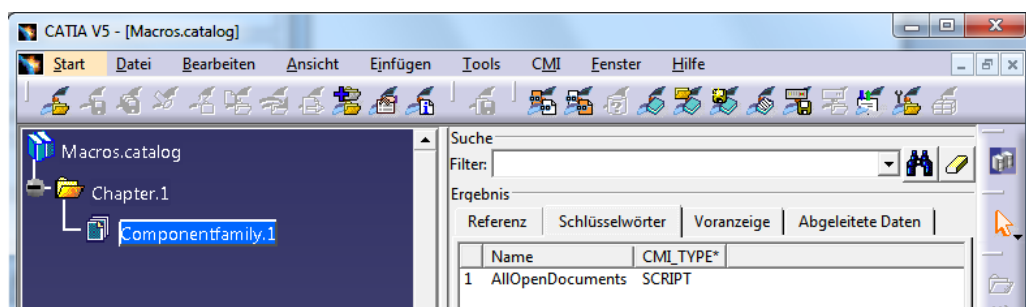


Figure 4: CATScript inserted in the CATIA catalog

### Configuration

Set CMI\_ENABLE\_CMICATALOGINSERTSCRIPTCMD=ON in the CATIA environment.

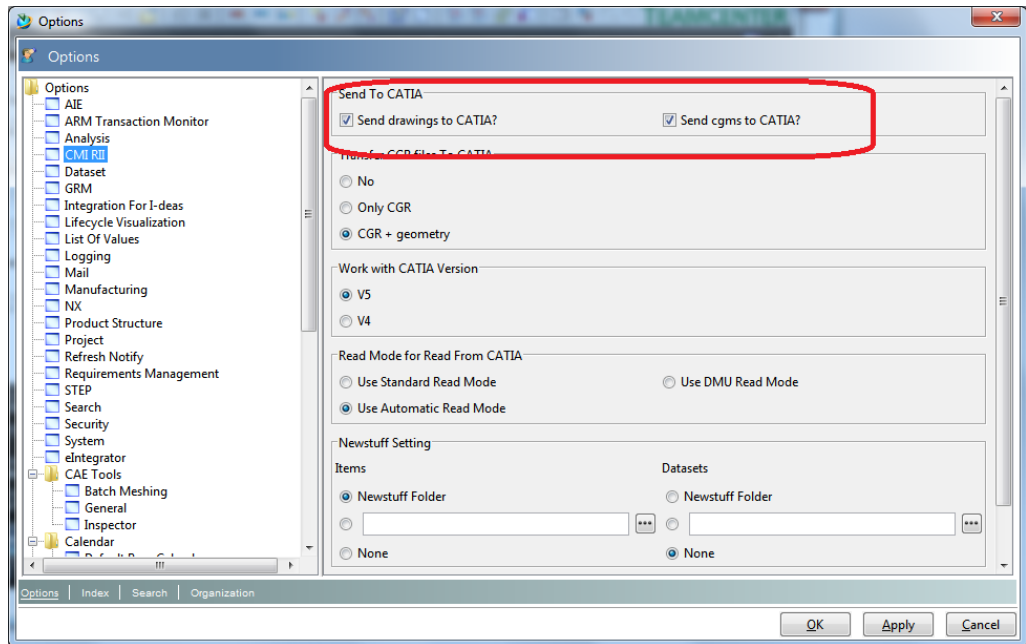
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## Support of CGM type files

CMI RII now supports the *CGM: Computer Graphics Metafile* format for basic Read and Update operations with CATIA V5.

CGM-Files are handled in the same manner as CATDrawings.

The support of sending CGM files to CATIA can be configured in the CMI RII preferences (see Figure 5).



**Figure 5: CMI RII Preferences for CGM support**

### Configuration

Set `CMI_ENABLE_CGM=ON` in the CATIA environment. This will enable the *Update*, *Synchronize*, *Save As* and *Save for Doc* commands if a CGM is the active document in CATIA.

---

## Customizable naming schemes for Export

When CATIA files are sent to a partner, it is often necessary to enrich the file names with information – like e.g. appending the revision number. The Export functionality has been enhanced with a default implementation to customize the part number and the file name when files are exported.

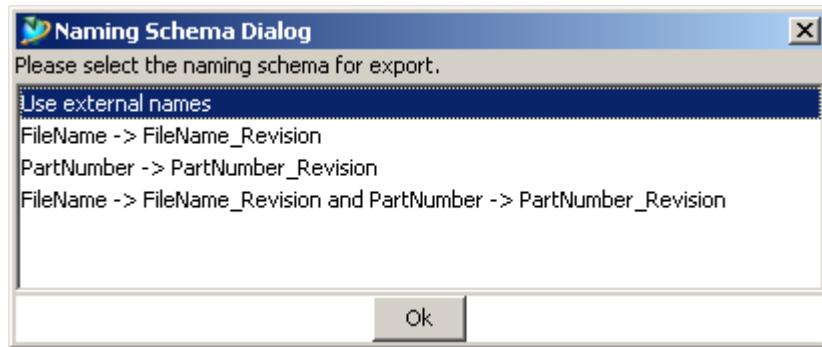
One of the following naming schemas can be selected (see Figure 6):

*Use external names*: no changes

*FileName* -> *FileName\_Revision*: the revision of the object is added to the given file name

*PartNumber* -> *PartNumber\_Revision*: the revision of the object is added to the given part number

*FileName* -> *FileName\_Revision* and *PartNumber* -> *PartNumber\_Revision*: both values are changed; see above



**Figure 6: Naming Schema dialog**

*Configuration*

Set CMI\_EXPORT\_CUSTOMIZE\_NAMING=ON in the CATIA environment to enable this functionality.

In order to switch on the dialog of the default implementation you have to set the Teamcenter preference CMIUseNamingSchemaDialog to "1".

**Volume/Neighbourhood Search in PSE**

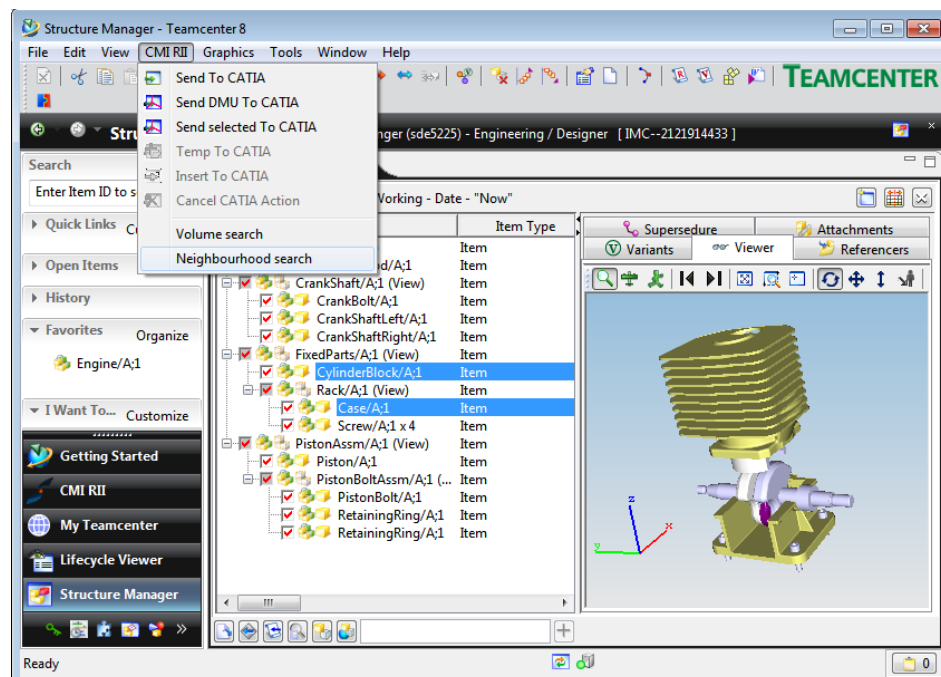
CMI provides bounding box information when saving geometry files to Teamcenter. This information is stored in Teamcenter Forms inside the Datasets.

The search criteria can be defined in two ways:

- Neighbourhood Search
- Volume Search

**Neighbourhood Search:**

Select one or more lines in the Structure Manager Application. The bounding boxes of the selected lines (see Figure 13) are used as search criteria.



**Figure 7: Neighbourhood Search**

### Volume Search:

Select a volume by defining 2 points which define a cuboid in the global coordinate system as search criteria (see Figure 8).

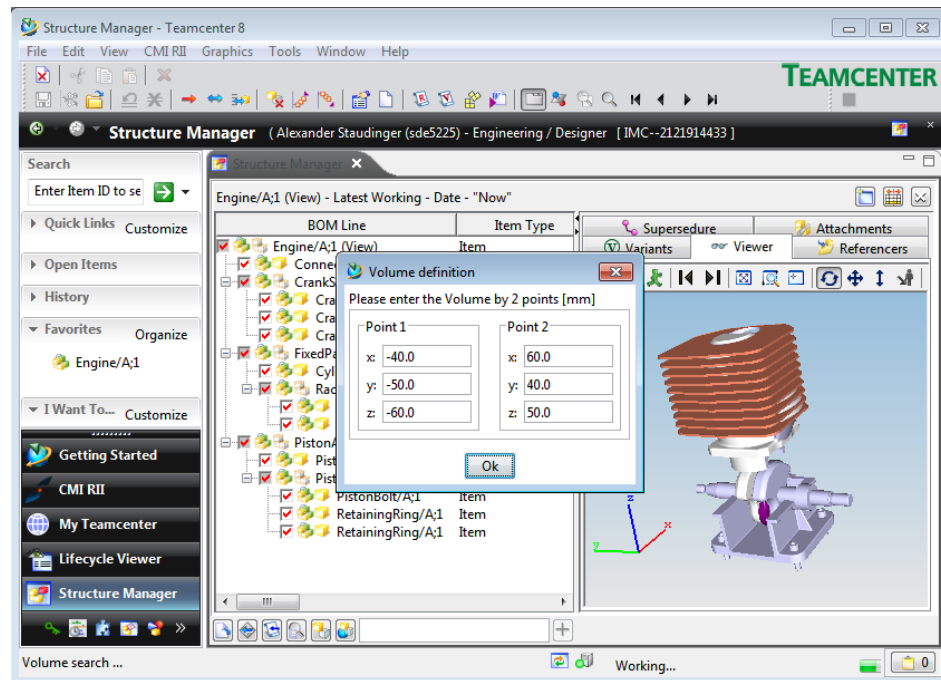


Figure 8: Volume definition Dialog

The DMU clearance can be set in the CMI RII options panel (see Figure 9).

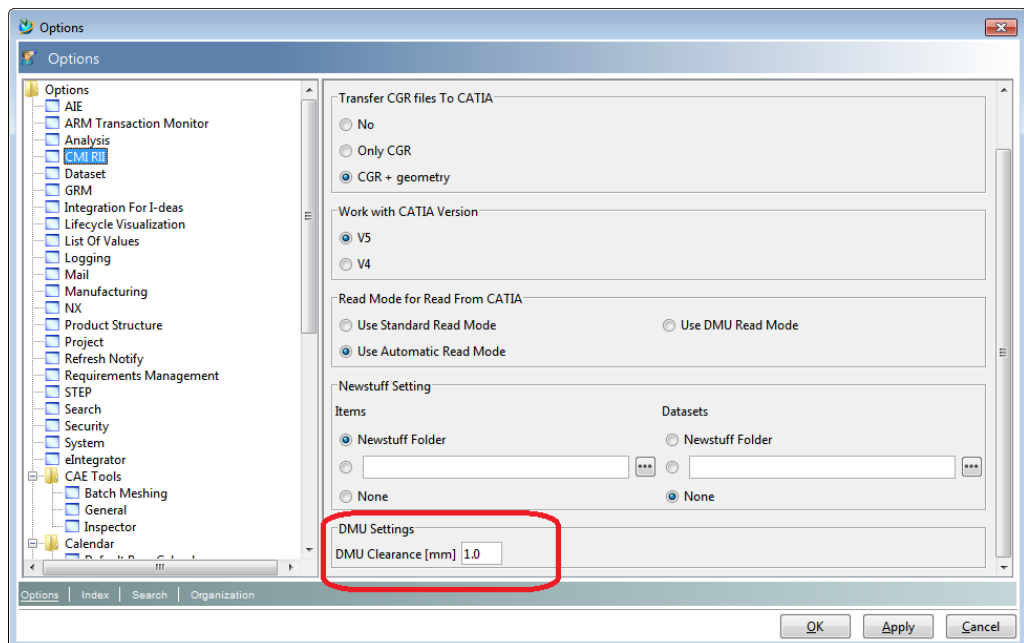
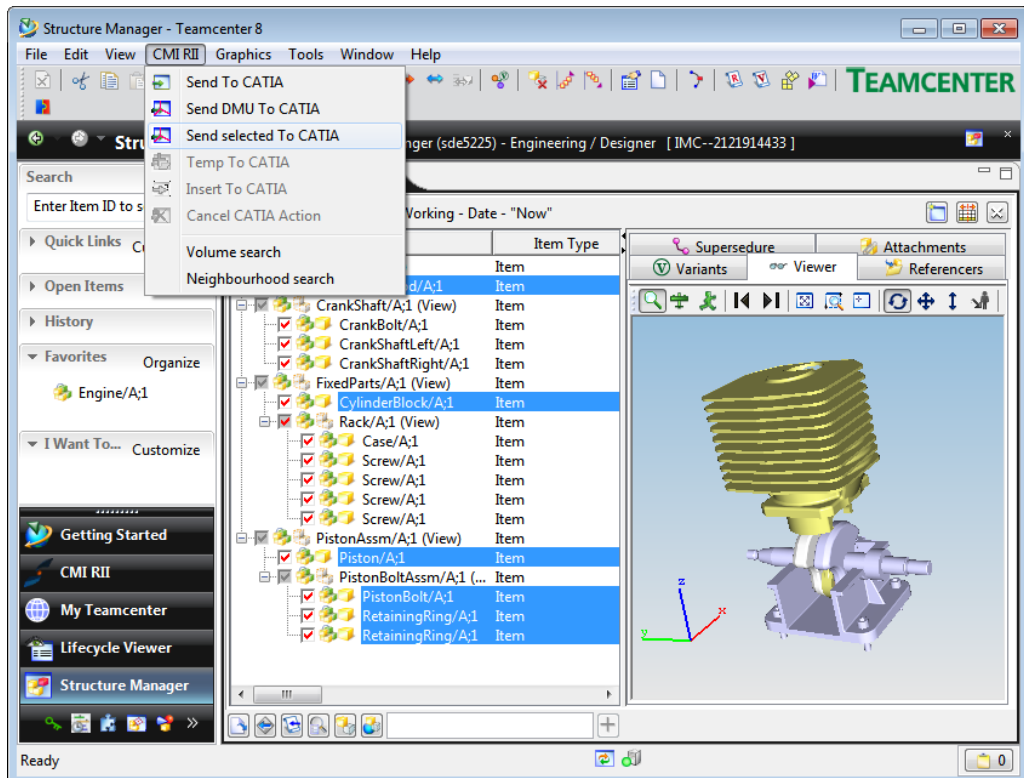


Figure 9: CMI RII preferences panel

After defining the search criteria the structure is searched for bounding box information which is stored in the following dataset types:

- CMI2Part, CMI2Model, CMI2Cgr, CMI2Rep,
- CMI2AuxPart, CMI2AuxModel, CMI2AuxCgr, and CMI2AuxRep, CMIArchive

The Volume Search and the Neighbourhood Search command computes the result and selects the lines in the Structure Manager. This result can then be sent to CATIA V5 using the new command “Send selected To CATIA” (see Figure 10).



**Figure 10: Selected result lines in Structure Manager**

### Configuration

To store the bounding boxes in Teamcenter you have to set the following CATIA Environment:

- set CMI\_CALC\_BBOX=ON
- set CMI\_BOUNDING\_BOX\_EXCLUDE\_HIDDEN=ON (optional)

## Enhanced Window Management with Windows OS

Now the CATIA application window comes to foreground without user action.

## Zero Quantity support

The used items with quantity = 0 will not be loaded from Teamcenter to CATIA V5.

In the CMI RII application the used items with quantity = 0 will not be expanded.

### Configuration

Set the CMI RII preference “CMIDoNotLoadZeroQuantity” to “1” in the Teamcenter environment.

---

## CheckOut Item Revision after Create

The standard Teamcenter preference “CheckoutOnCreatePref” is used in the create process of CMI RII for item revisions.

### Configuration

Set the standard preference “CheckoutOnCreatePref” to “1” in the Teamcenter environment.

---

## Create item for Catalog

Now it is possible to create an item object for a new catalog in Teamcenter. The dataset with the catalog will be related to this item.

### Configuration

Set the CMI RII preference “CMICreateItemForCatalog” to “1” in the Teamcenter environment.

---

## Derived files for CATDrawing

CATIA V5 can write derived files for a CATDrawing in several formats (e.g. pdf and tif). These derived files will be stored in an own dataset with the same name like the drawing dataset.

When the drawing dataset is related to an item then the datasets for the derived files will be related to this item, too.

### Configuration

Set the CMI RII preference “CMIDrawingFileFormatsList” in the Teamcenter environment. This list of formats supports the values “pdf” and “tif”.

---

## CMI Info list view enhancement

The *Multiple Objects* view in the Info dialog is now available even if only a single node is selected in CATIA (see Figure 11).

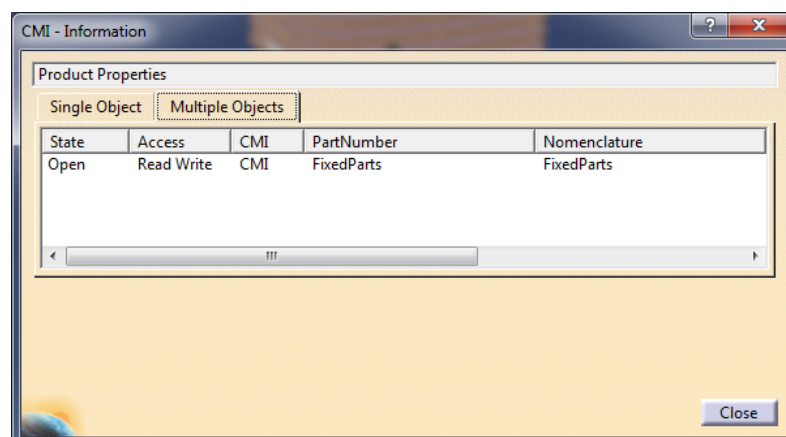


Figure 11: Info List

## Multiselection Reconnect

In the Reconnect dialog (see Figure 12) you can now apply the Synchronize configuration options for multiple selected items. This facilitates e.g. to mark an assembly with all its subassemblies as New, to make a deep copy of an assembly structure.

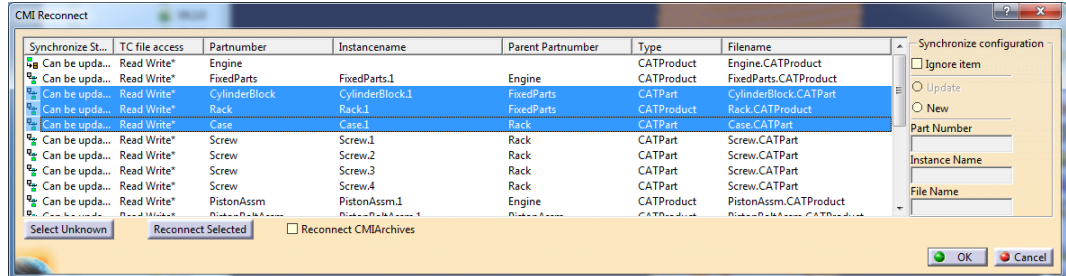


Figure 12: Reconnect dialog

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# Changed/enhanced Functionalities

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## CreateItem FormDefinition for ItemTypes

In the create dialog for item and item revision it is possible to fill several forms with attributes. These forms will be created or used if they already exist. This existing functionality is enhanced in order to handle the forms based on the item type and item revision type.

### Configuration

Set the CMI RII preferences “CMICreateItemFormList” and “CMICreateItemRevisionFormList” in the Teamcenter environment. See CATIA Teamcenter Interface RII Customizing Manual for details.

---

## Component handling

In general, a CATIA component – that is not a CATProduct - cannot be synchronized to Teamcenter, since the component is local to its CATProduct and cannot be mapped to a Part in the BOM (as Parts are required to be reusable in different Assemblies).

However, CATIA components can be skipped or ignored by CMI based on a configuration, to support specific use cases. CMI expands the possible use cases with new configuration options:

- Skip Component based on the type of feature (e. g. Wire Bundle)
- Identify Node type based on its instance name, rather than part number
- Option to ignore all components that have no children

### Configuration

In the CMI Configuration File in the section “ConfigurableBehaviors” a node can have the tag “ProductType”, e.g.:

```
<ConfigurableBehavior UniqueID="t0">
  <BehaviorType>EmbeddedNodeBehavior</BehaviorType>
  <ProductType>ElecWireGroup</ProductType>
<Behavior>SkipNode</Behavior>
</ConfigurableBehavior>
```

If the above configuration is set, an embedded CATProduct of the type ElecWireGroup will be skipped in the CMI Synchronize.

To facilitate configuration, the feature type of components is shown in the CMI Info dialog.

To ignore or skip component nodes based on their instance name the tag InstanceNamePrefix is introduced:

```
<ConfigurableBehavior UniqueID = "EmbeddedNode_IgnInst">
  <BehaviorType>EmbeddedNodeBehavior</BehaviorType>
  <PartNumberPrefix></PartNumberPrefix>
  <InstanceNamePrefix>XY_</InstanceNamePrefix>
  <Behavior>IgnoreNode</Behavior>
</ConfigurableBehavior>
```

This example will ignore components where the instance name begins with “XY\_”.

To generally ignore – and hence admit - components that do not have child nodes, set the variable CMI\_IGNORE\_EMBEDDED\_LEAFNODE=ON in the CATIA environment.



# CMI RII VERSION 3.0

## New Functionalities

### Name Mapping of external Data

A set of functional extensions allow to map CATIA data that exists both in the customers PDM system and at a partner site, but under different names.

#### *Import– Synchronize with mapping file*

The Synchronize dialog (see Figure 13) has been enhanced with an option to record or map original names for CATIA data that is stored in Teamcenter.

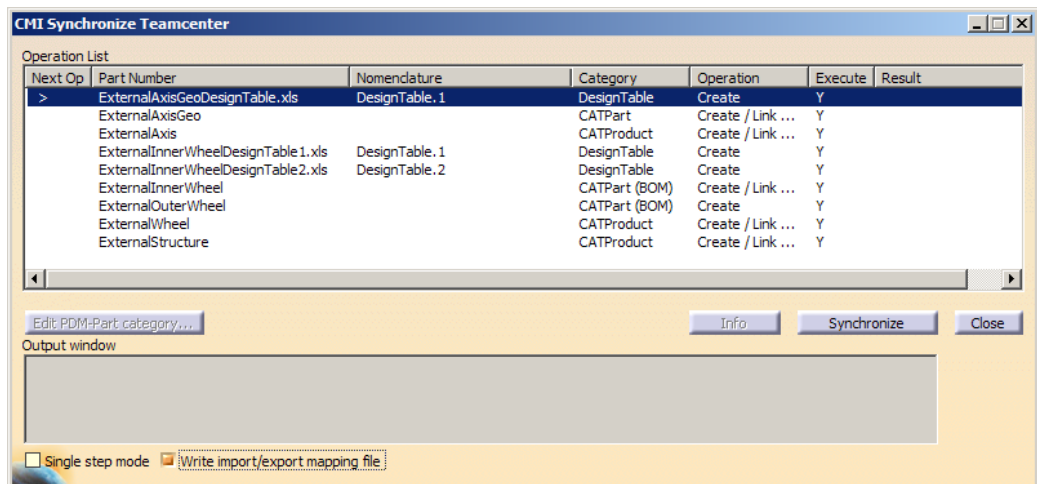


Figure 13: The CMI RII Synchronize dialog in CATIA V5

An XML mapping file is created and attached to the Top level assembly in Teamcenter of the new structure.

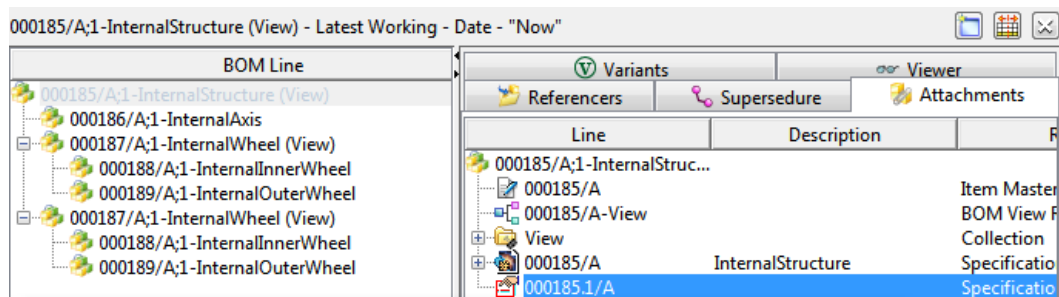


Figure 14: The CMI RII Context menu in CATIA V5

#### *Export– Export Structure to Folder*

A new *Export Structure to folder* function (see Figure 15) allows to export CATIA data that was loaded from Teamcenter to a specific folder. Original file names can be restored thanks to the mapping file.

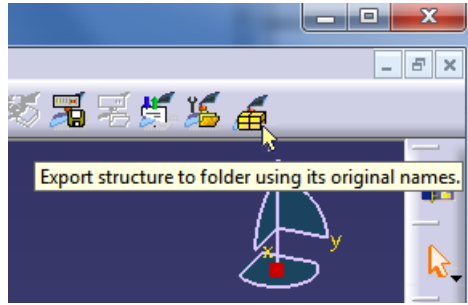


Figure 15: The CMI RII Export structure to folder command in CATIA V5

### Reimport – Reconnect with name mapping

In order to update files received from a partner with different naming the Reconnect function has been enhanced to use mapping files. Data can also be reconnected with Teamcenter going by user supplied names.

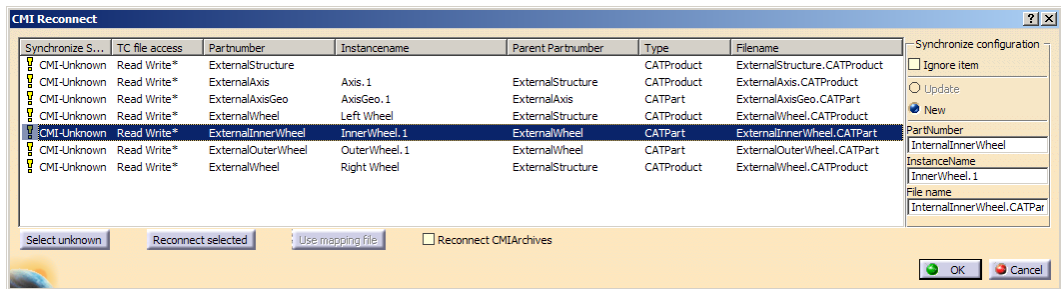


Figure 16: The CMI RII Context menu in CATIA V5

### Copy Structure facility

Another enhancement of the Reconnect dialog allows to copy structures with or without subassemblies. CATProducts and CATParts originally opened from Teamcenter can be flagged as *New*.

Synchronize will then create new Teamcenter objects for these files. This also allows to create PDM items for the contents of an Archive.

### CMI Contextual Menu in CATIA

Several CMI functions that correspond to a selected product have been added to the CATIA context menu. They become active depending on applicability, and appear only if the corresponding toolbar button is configured.

This feature can be disabled.

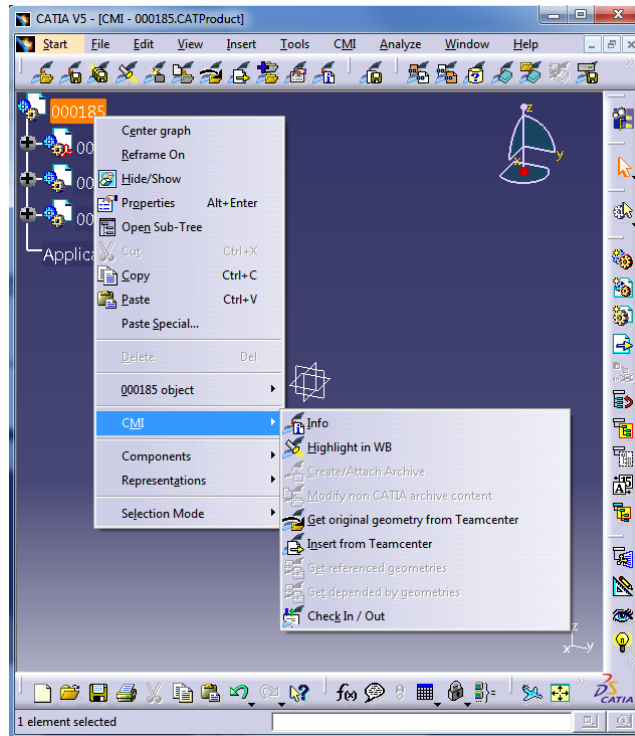


Figure 17: The CMI RII Context menu in CATIA V5

## CATIA version handling

The information about the CATIA release, hot fix and service pack is stored Teamcenter. While loading from Teamcenter to CATIA, the stored CATIA release is compared with the actual CATIA release. If the stored CATIA release is higher, the data are not loaded to CATIA and a warning message is shown (see Figure 18) in CATIA.

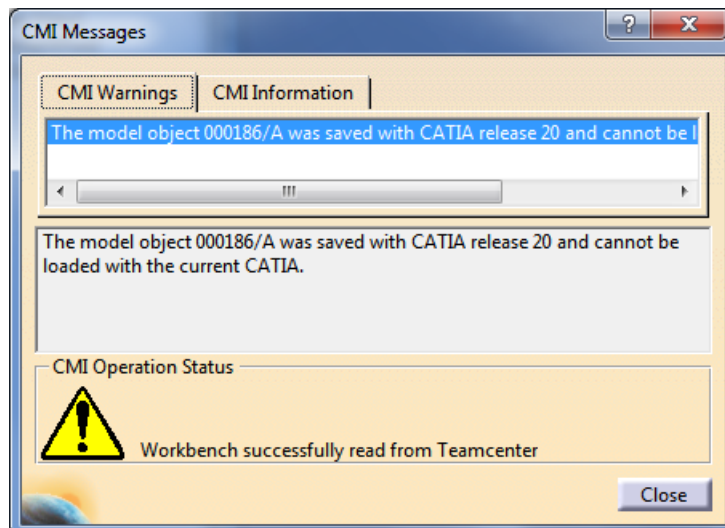


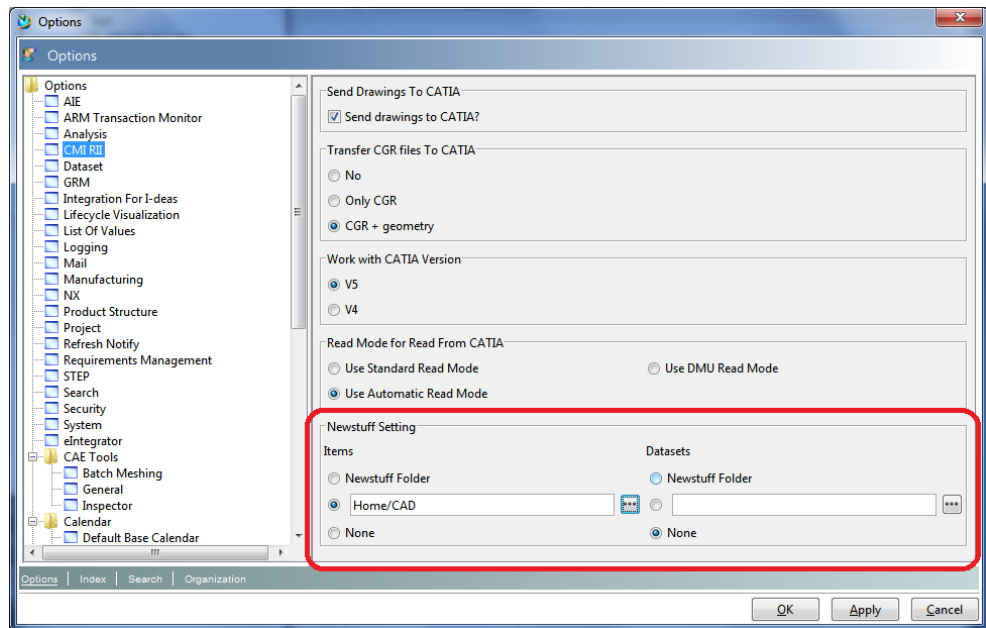
Figure 18: Warning in CATIA V5

---

## Configurable Newstuff folder

In the CMI RII preferences dialog, the newstuff settings can be set. It can be defined for new Items and Datasets to which folder they should be linked:

- The default Newstuff Folder will be used.
- The folder is chosen by the user.
- The newly created object should not be linked to a folder.



**Figure 19: The CMI RII application options dialog**

Figure 19 shows the relevant settings for the Configurable Newstuff folder in the CMI RII Options.

---

## Dataset types for geometry

New Dataset types are available for the different geometry files in CATIA. CATPart's, model's, cgr's, or representations can be created with their own Dataset Types.

## Check In/Check Out Dialog enhancement

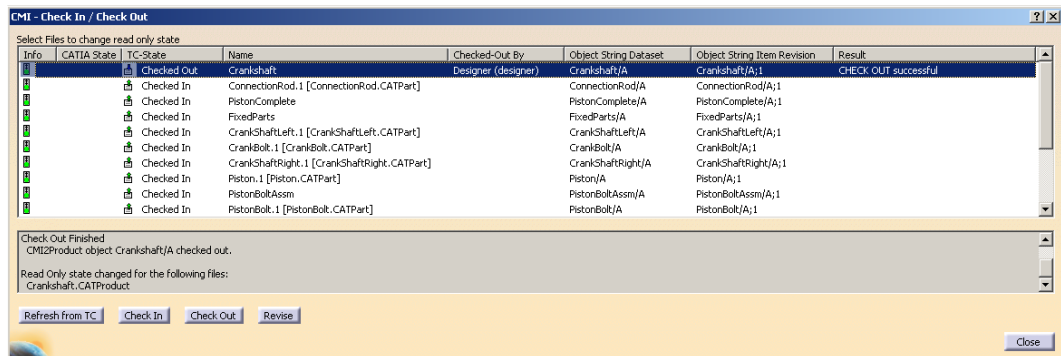


Figure 20: Check In/Check Out dialog

Additional columns can be configured in CATIA and the values for these attributes will be sent from Teamcenter. Details please see in the Configuration Manual. In Figure 20 the columns “Checked-Out By”, “Object String Dataset”, and “Object String Item Revision” are added by configuration.

## Use Latest ItemRevision in catalogs

CMI can store the Item ID, not only the ItemRevision ID in CATCatalogs. Manage Catalogs opens always the latest item revision of the Item, and not a static revision If the Dynamic catalog support is enabled.

## Use CATIA filename/Partnumber

When new Auxiliary (Non BOM) files are stored in Teamcenter, the File names from CATIA can be stored.

The part number from new Auxiliary (Non BOM) files from CATIA can be stored in Teamcenter and used for the Read command.

The part number from CATIA can be used for the Dataset naming for the Auxiliary (Non BOM) files.

## Use Pack BOM Line

Use existing (for same PartNumber) Find No. in Teamcenter in the assembly for new instances.

When the Existing Find No Support is enabled, CMI RII will use existing Find No. for new Children with the same part number. So the Lines are packed in the Structure Manager Application in Teamcenter.



---

# CMI RII VERSION 2.3

## New Functionalities

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### Naming convention

The types and attributes have been renamed to the new naming convention of Teamcenter 8.3. The prefix is “CMI2”.

---

### CMI RII functionality in several applications

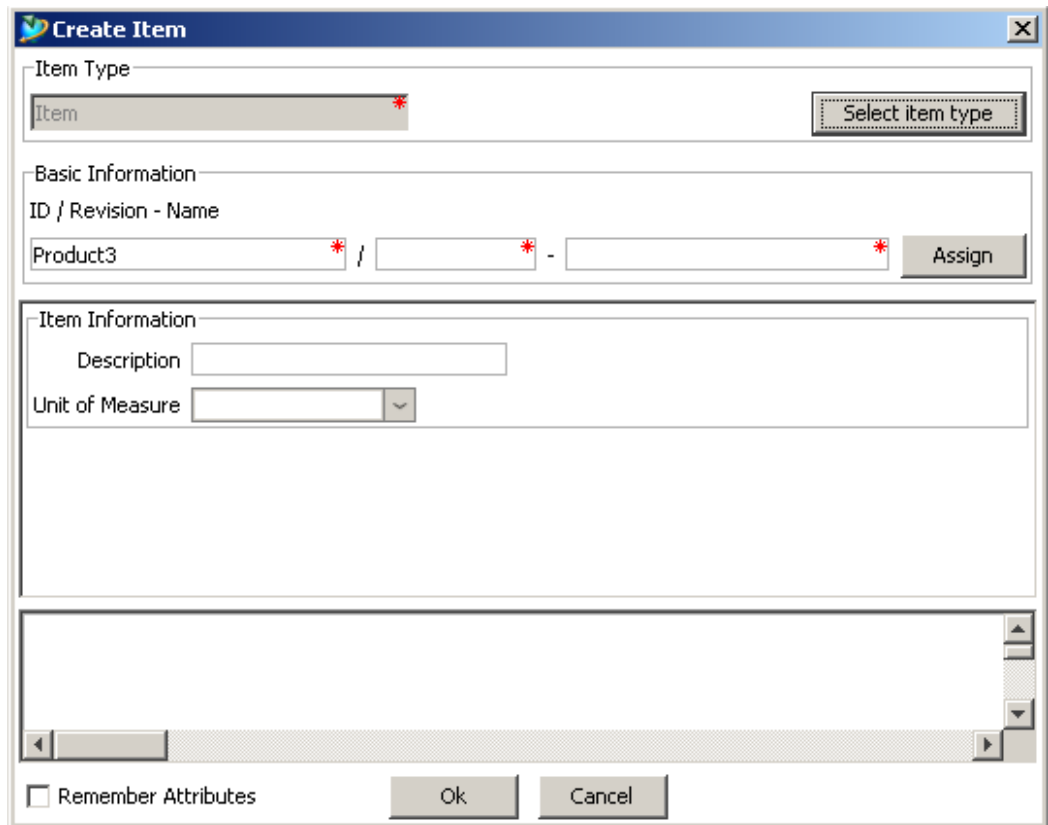
The following functions are now available in the “Structure Manager”, the “Multi-Structure Manager”, and the “Manufacturing Process Planner” application:

- Send To CATIA
- Send DMU To CATIA
- Temp To CATIA
- Insert To CATIA
- Cancel CATIA Action
- Highlight in CATIA

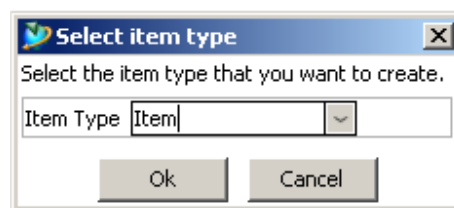
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### Select Item Type

The item type in the create item dialog can be selected from a list of valid item types. This list can be defined in the preferences.



**Figure 21: Create Item dialog with Select Item Type button**



**Figure 22: Select Item Type dialog**

The select button is deactivated if there is only one item type available in the list.

## Create item dialog with forms

It is possible to fill several forms for item and item revision in the create item dialog. They are displayed in the sections “Item Form Information” and “Item Revision Form Information” in the dialog.

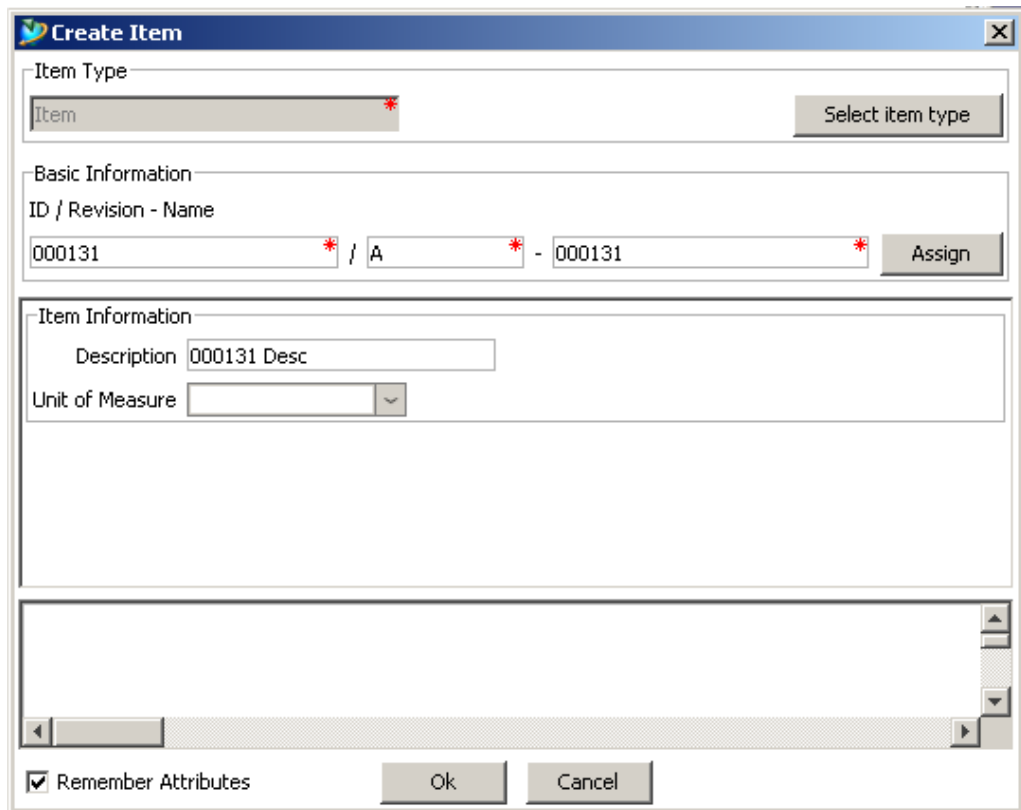
The image shows a software dialog box for creating an item, divided into four sections:

- Basic Information:** Contains a label 'ID / Revision - Name' and three input fields. The first field contains 'Product1'. Each field has a red asterisk to its right. An 'Assign' button is located to the right of the fields.
- Item Information:** Contains a 'Description' text box and a 'Unit of Measure' dropdown menu.
- Item Form Information:** This section is highlighted with a red border. It contains an 'Item Master' sub-section with the following fields: 'Item Comment', 'Previous ID', 'Project ID', 'Serial Number', 'User Data 1', 'User Data 2', and 'User Data 3'.
- Item Revision Form Information:** This section is also highlighted with a red border. It contains an 'ItemRevision Master' sub-section with the following fields: 'Item Comment', 'Previous Version ID', 'Project ID', 'Serial Number', 'User Data 1', 'User Data 2', and 'User Data 3'.

**Figure 23: Forms in the create item dialog**

## Remember Attributes

The attribute values – except basic information attributes – of the create item and the create dataset dialog can be stored depending on the item/dataset type. These stored attributes will be filled as default in the new create dialog for the same type.



**Figure 24: Create Item dialog with Remember Attributes check box**

## Enhanced Support for Read mode from CATIA

A new Option is added to the CMI RII options.

With the “Read Mode for Read From CATIA” option the read modulus for the Read command within the CATIA V5 command can be changed.

- *Use Standard Read Mode*      Send the visible (expanded) children to CATIA
- *Use DMU Read Mode*            Send the DMU marked (checked) children to CATIA
- *Use Automatic Read Mode*    Use DMURead Mode if the Viewer is active  
Use Standard Read Mode if the Viewer is not active.

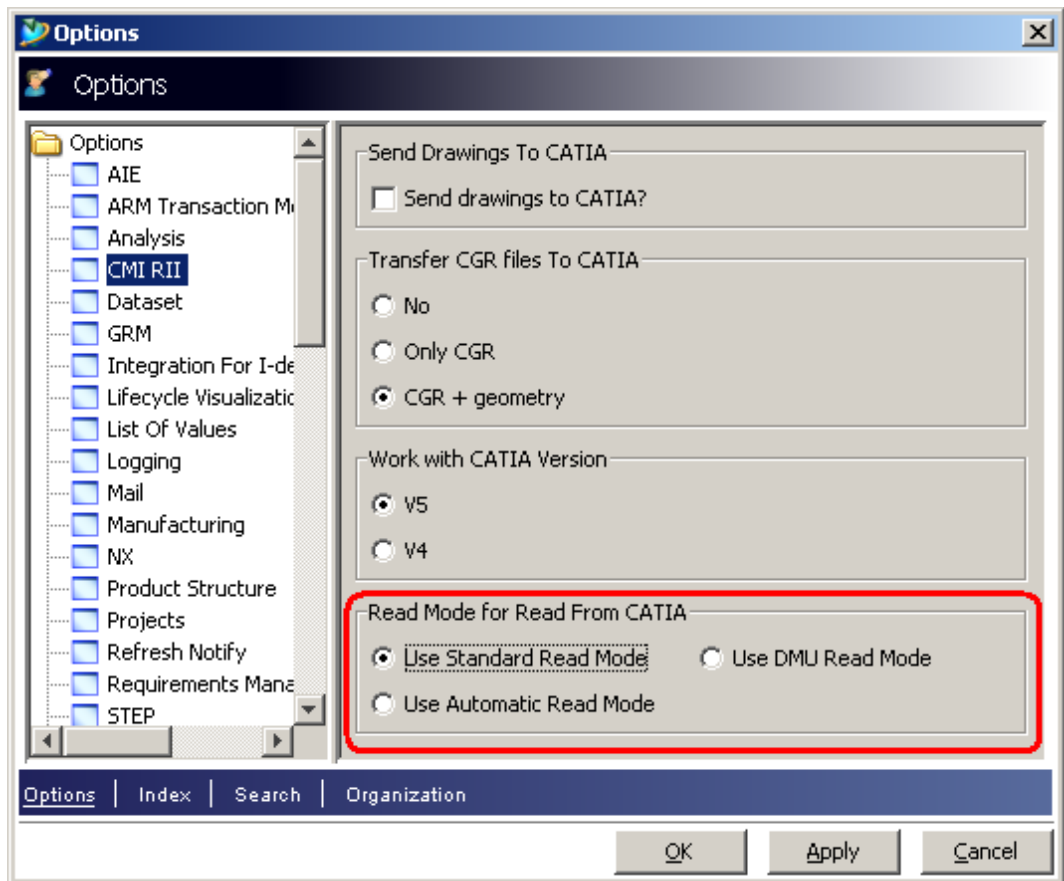


Figure 25: CMI RII options

## CATProcess Support

Support for the CATProcess CATIA V5 data type.

See User Manual: *Handling Of CATProcess*

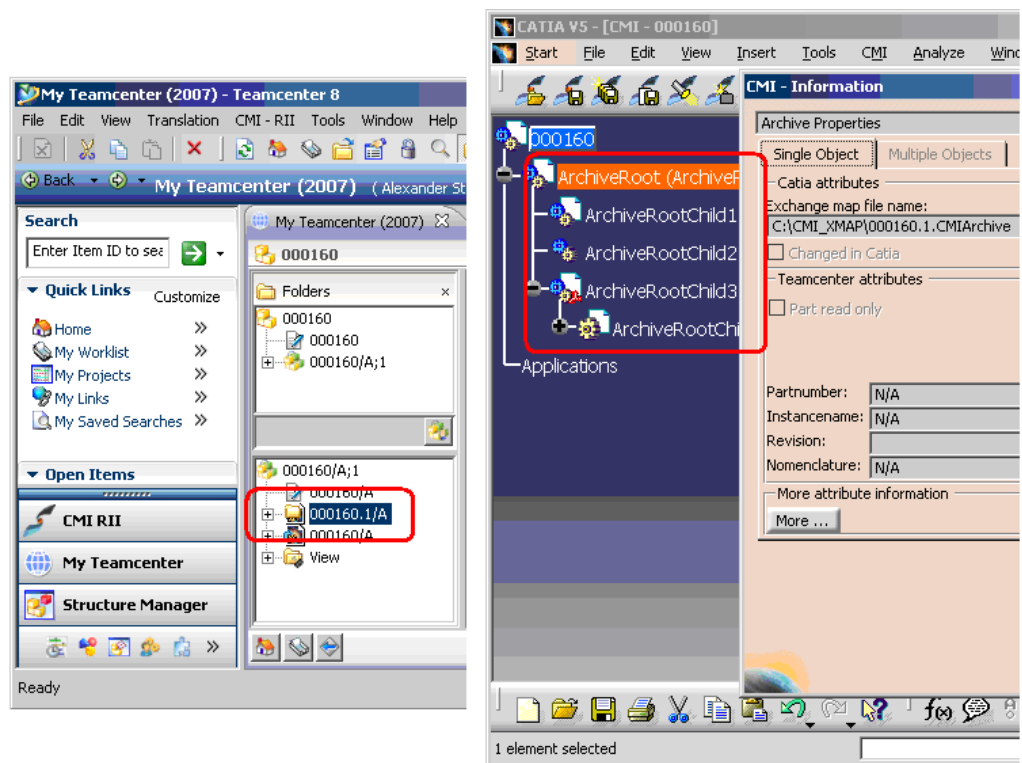


# CMI RII VERSION 2.2

## New Functionalities

### CMI Archive support

CMI RII supports the use of CMI Archives. A CMI Archive is a dataset in Teamcenter which contains a CATIA V5 structure. The structure has one root item which can be a CATProduct or a CATPart. If the root item is a CATProduct, it can contain more items of type CATIA V5 Component, CATIA V5 CATProduct or CATIA V5 CATPart.



The picture above shows on the left side the Teamcenter dataset and on the right side the example content in CATIA V5.

### Design Table support

CATIA V5 Design Tables can be stored in Teamcenter. Both CSV and Excel files are supported. The Design Table dataset is linked to the Item Revision and to the CATPart. Design tables referenced by CATParts and CATProducts are supported.

Design tables are not stored by default because of performance considerations; also, you need a sound methodology if you allow the use of design tables in your methodology, since design tables have the power to change your product structures.

The Teamcenter administrator needs to set CMIWorkWithDesignTables to 1 in the Teamcenter preferences in order to enable the Design Table support.

---

The CATIA administrator needs to set `CMI_USE_DTFORPRODUCT=ON` in the CATIA environment in order to enable the support of Design Tables and CATProducts.

---

## Drawing frame support

CMI RII can automatically update text fields in the Drawing title blocks with attributes from Teamcenter. This requires a configuration in Teamcenter.

CMI RII will update the Knowledgeware Parameters in the CATDrawing document. In CATIA the Knowledgeware Parameters can be defined in the CATDrawing object. With the Attribute Link command in CATIA these parameters can be connected to text fields in the CATDrawing.

With the *CMIRead* command the parameters are updated in the CATDrawing document in CATIA.

---

## Performance improvements

Performance of the CMI RII was improved in several ways.

One improvement was the caching of CMI preferences. So the change of CMI preferences requires a Teamcenter Rich Client restart. The preference caching can be disabled by setting `CMI_CACHE_PREFERENCES=OFF` in the Teamcenter Environment.

---

# CMI RII VERSION 2.1

## New Functionalities

---

### Dataset pseudo Revise

The CAD datasets can be pseudo revised with CMI RII. This is possible in the dialog shown above in CATIA V5 and with a CMI RII command in the Rich Client.

---

### Create Dialog

CMI RII can be configured to display a create dialog for item and dataset. The attributes of the dialog are taken from the data model definition of the Business Modeler.

**Create Item**

Basic Information

ID / Revision - Name

Product1 \* / \* - \*

Assign

Item Information

Description

Unit of Measure

Ok Cancel



---

# CMI RII VERSION 2.0

## New Functionalities

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### Teamcenter 8 Support

CMI RII supports the new release of Teamcenter 8.

---

### Alternate Representations

An Item Revision can be represented in CATIA by different 3D-geometries. An alternative geometry represents the Item Revision it belongs to in a specific state/usage or aspect of the part, e.g. MASTER, OPEN, FLYAWAY and ENVELOPE.

Alternate Representations (ALT-reps) are handled globally and do not depend on the occurrence/instance of the Item Revision.

In CMI RII, an Alternate Representations filter can be applied. The Filter is used to filter the datasets (all dataset types, handled in CMI RII), which should be send to CATIA.

This dataset filter is defined in CMI RII options. In the Teamcenter Preferences the Alternate Representation list is defined. The first entry is called the MASTER. The next are the alternate representations.

---

### Modified on Assembly

In the standard case the physical (CAD) data of a product is defined by the configuration and effectivity (TVE) of the BOM structure. Though, often, the CAD data must be altered depending on where a specific part is used in the assembly structure. Examples are flexible parts like a bent hose or parts that become modified when applied in the manufacturing process, like cut bolts or holes in a standard plate.

Basically, the same Item Revision in the BOM can exist in different aspects in the physical world when it is assembled. The geometrical representation of an Item Revision (Component or Assembly) can alter depending on the design context that is defined by a higher assembly Item Revision. The positioning of Item Revision in-stances may alter too when "Modified On Assembly" (ModOn) geometries are used in an product structure.

The ModOn Assembly provides the necessary functionality to support the described scenarios.

---

### CATIA V4 Support

CMI RII supports CATIA V4 as CAD client.

---

## Insert from Teamcenter

The Insert from Teamcenter command allows the user to load a CMI structure under a selected product. This change of the product structure has to be updated separately.

---

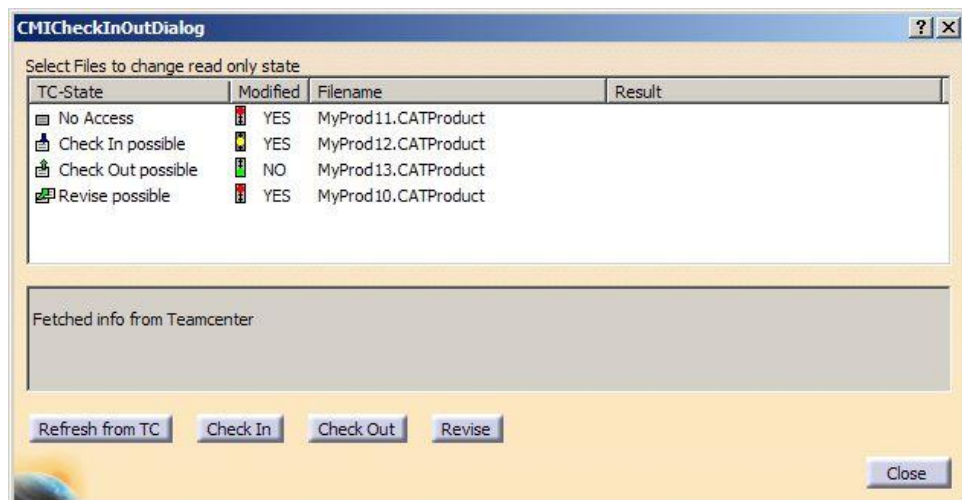
## Translation Service Support

When CMI RII updates or creates files in Teamcenter a Dispatcher Request is created in Teamcenter to translate the files in Teamcenter with the ETS of Teamcenter. The ETS of Teamcenter must be installed and configured correctly to translate the required File Datasets.

---

## Check In/Check Out

It is possible to check in and check out the dataset in Teamcenter out of a dialog in CATIA V5. In the dialog there is shown which action is possible.



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# CMI RII VERSION 1.2

## New Functionalities

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### Support for released cache cgr files

CMI RII supports the use of CGR files in the *released cache* of CATIA V5. For this purpose the CGR files of CATIA models are stored in Teamcenter. During *To CATIA* these CGR files are copied to the released cache instead of the CATIA models to the exchange map. In CATIA V5 the CGR files are loaded in visualization mode.

---

### Support for auxiliary geometry files

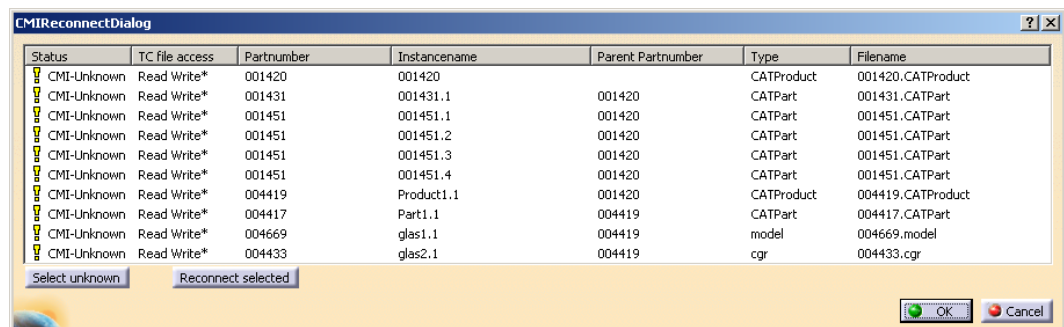
The standard behaviour for CMI RII is that every object in CATIA will be represented by an item object in Teamcenter. Auxiliary geometric objects which are not relevant for the BOM (not represented by an item in Teamcenter) must be stored in Teamcenter under Item Revisions.

An “Auxiliary Dataset File” or AUX Dataset is a geometrical representation (CATPart, CATIA V4 model, ...) that has a meaning for the design process but does not represent an Item Revision in the Bill of Material. An AUX Dataset file is referenced by a parent CATProduct that represents the Assembly Item Revision in CATIA. An AUX Dataset is an additional Dataset at this Assembly Item Revision. Multiple different AUX Dataset Files are possible at one Item Revision node.

---

### Reconnect with Teamcenter

The Reconnect with Teamcenter command in CATIA V5 allows the user to open a CATIA structure and to find the corresponding objects in Teamcenter. The objects are identified on their Part Number and File Name. The user can decide which objects have to be queried in Teamcenter.



Status	TC file access	Partnumber	Instancename	Parent Partnumber	Type	Filename
! CMI-Unknown	Read Write*	001420	001420		CATProduct	001420.CATProduct
! CMI-Unknown	Read Write*	001431	001431.1	001420	CATPart	001431.CATPart
! CMI-Unknown	Read Write*	001451	001451.1	001420	CATPart	001451.CATPart
! CMI-Unknown	Read Write*	001451	001451.2	001420	CATPart	001451.CATPart
! CMI-Unknown	Read Write*	001451	001451.3	001420	CATPart	001451.CATPart
! CMI-Unknown	Read Write*	001451	001451.4	001420	CATPart	001451.CATPart
! CMI-Unknown	Read Write*	004419	Product1.1	001420	CATProduct	004419.CATProduct
! CMI-Unknown	Read Write*	004417	Part1.1	004419	CATPart	004417.CATPart
! CMI-Unknown	Read Write*	004669	glas1.1	004419	model	004669.model
! CMI-Unknown	Read Write*	004433	glas2.1	004419	cgr	004433.cgr

Select unknown      Reconnect selected

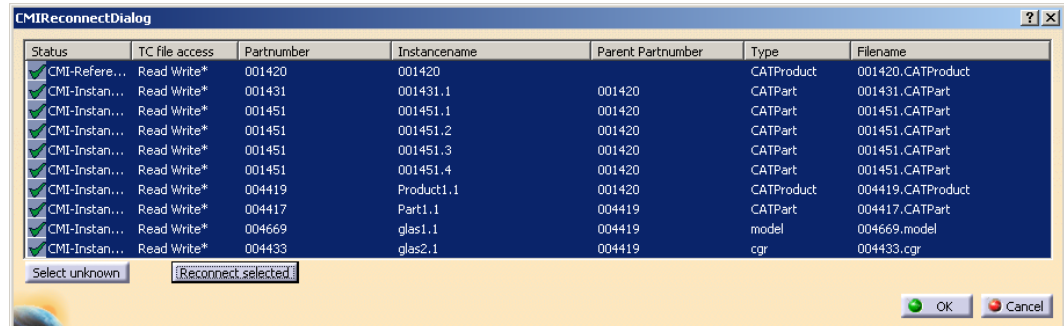
OK      Cancel

The status can be:

CMI-Unknown: CMI does not know this item at all. It would be created as a new Part in Teamcenter.

CMI-Reference: CMI knows this item is in Teamcenter. But it appears that in Teamcenter there is no instance known by the same instance name under the same parent item. Maybe it was deleted or is new. It would be created as a new Part instance in Teamcenter.

CMI-Instance: CMI knows this instance is in Teamcenter. It can be updated in Teamcenter.

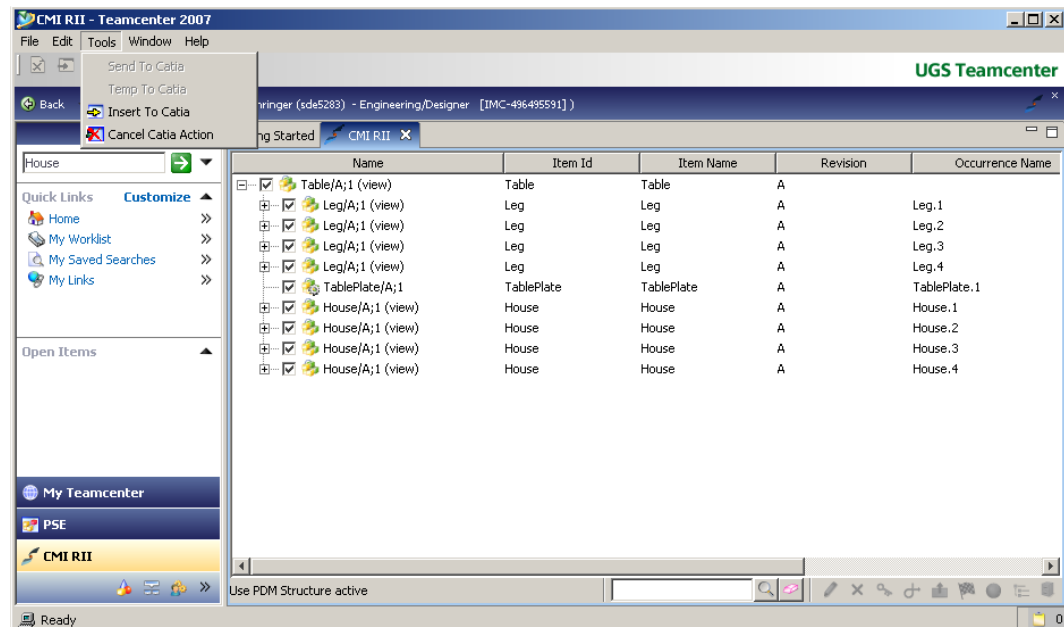


With clicking the “OK” button the user accepts the result of the reconnect action. The objects are in the modified state. When he clicks on the “Cancel” he keeps the objects as unknown.

Via Synchronize he can save the changes in Teamcenter.

## Insert from Teamcenter

The Insert from Teamcenter command in CATIA V5 allows the user to load a CMI-structure under a selected product. He drops the assembly-structure he wants to use in CATIA V5 in the CMI RII application window and clicks Tools → Insert To Catia or the icon.



The object will be inserted in the structure in CATIA V5.

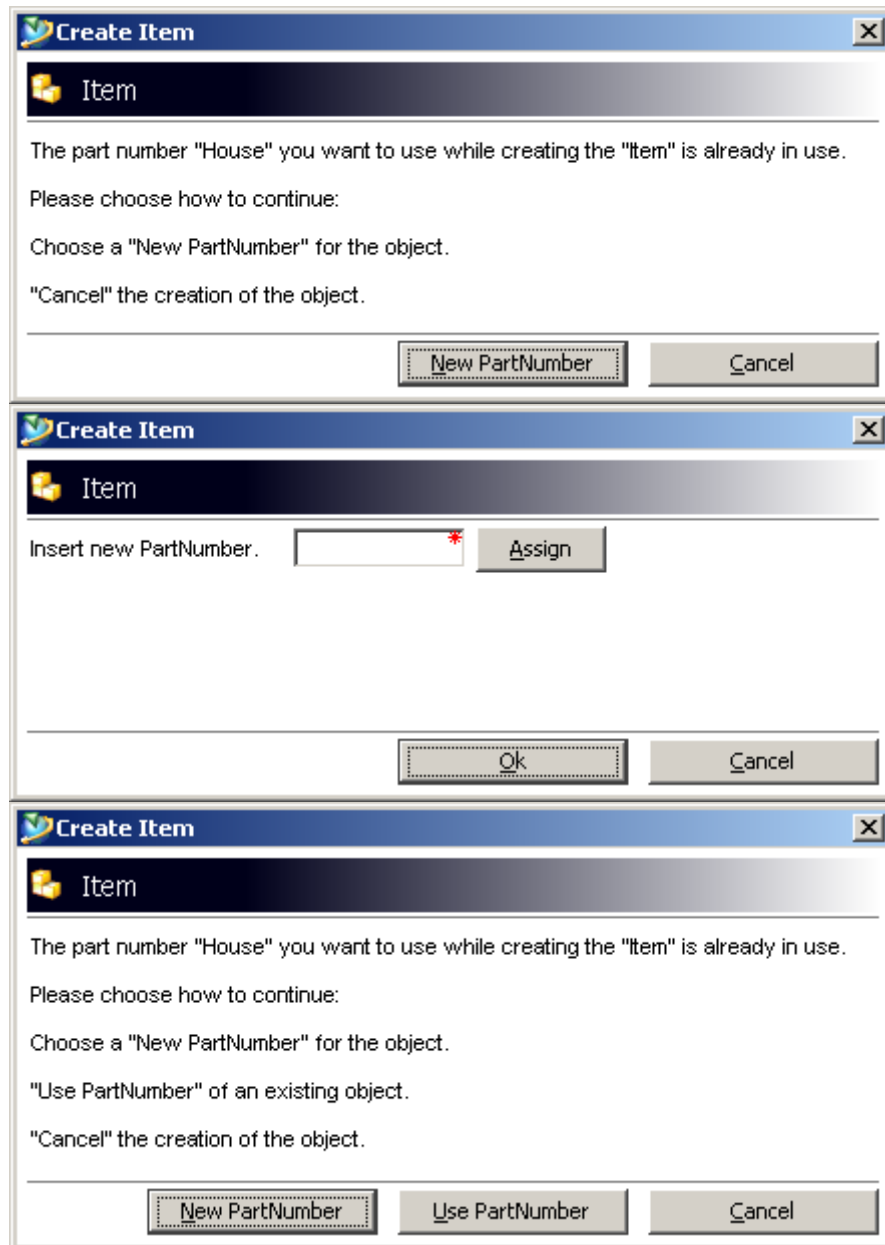
The dropped part/structure is removed from the CMI RII application window after he sends it to CATIA.

Via Synchronize he can save the new Use-Relation in Teamcenter.

---

## Synchronize – Dialog at Part Number Conflict

Teamcenter can be configured to use the CATIA part number while the synchronize process. This can cause a part number conflict. The user can decide how to continue: Cancel the process, give a new part number, or use an existing item in Teamcenter.



---

## Show dialogs in Create Process

During the create process of an item it is possible to set the properties of the Master Form and the Revision Master Form.

---

## Create Drawing: Automatic attach of CATDrawing to the Item Revision

The newly created CATDrawing with its dataset will be related to the referenced part object.

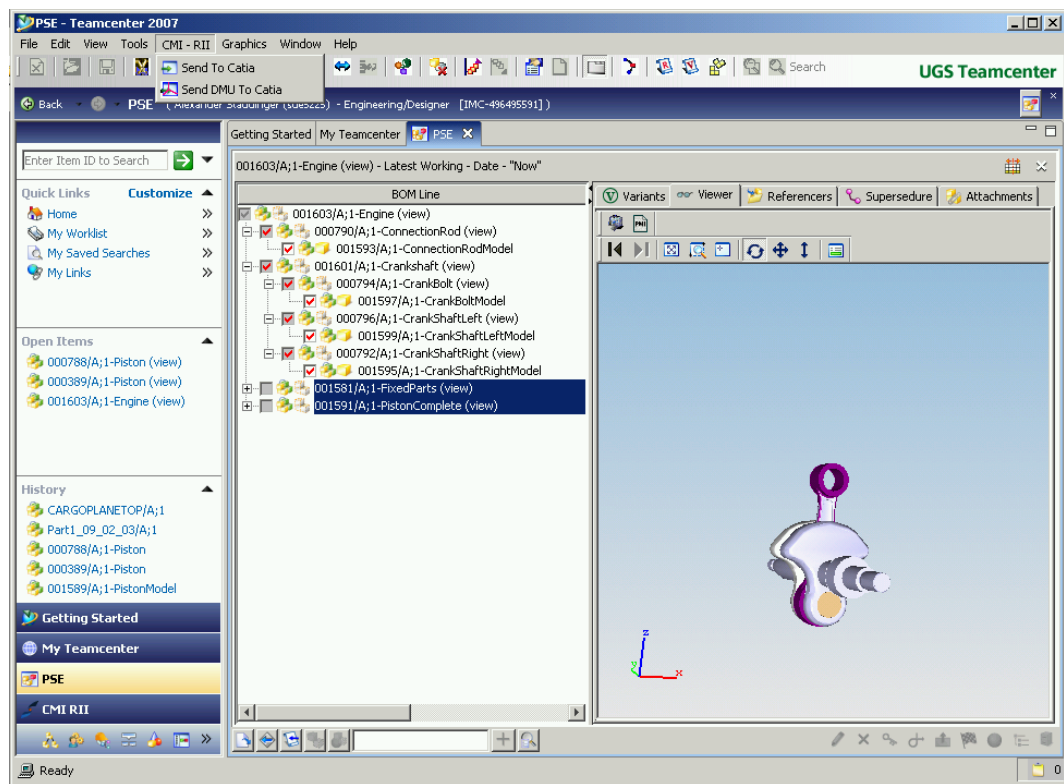


# CMI RII VERSION 1.1

## New Functionalities

### Send To CATIA from PSE Application

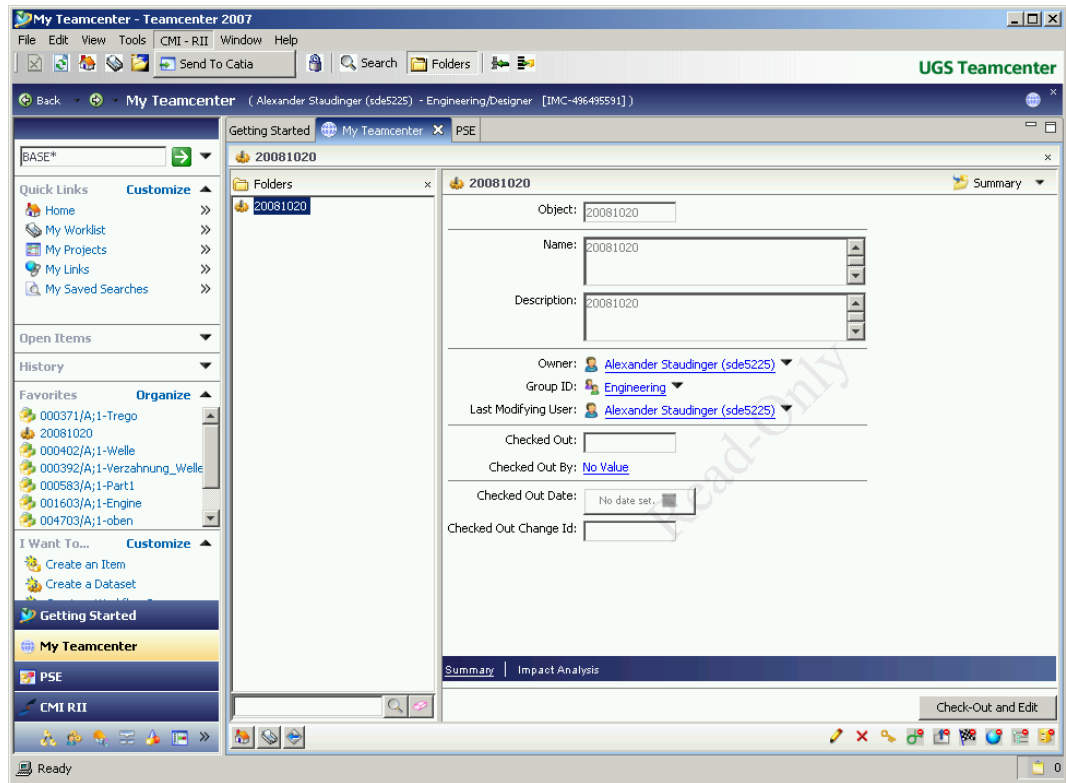
New CMI – RII Menu is available in the PSE Application which allows the Send to Catia from the PSE Application.



If the PSE Application is Active in Teamcenter, a Read from Workbench Command from CATIA will read the data from the PSE Application window.

### Send To CATIA from My Teamcenter Application

New CMI – RII Menu is available in the My Teamcenter Application which allows the Send to Catia from the My Teamcenter Application. Only CAT Drawings are now supported in the My Teamcenter Application.



## Link to Newstuff Folder

New created Items are now linked to the users Newstuff Folder in My Teamcenter.

## Performance optimization

Performance optimization for large structures in CATIA CMI Module.