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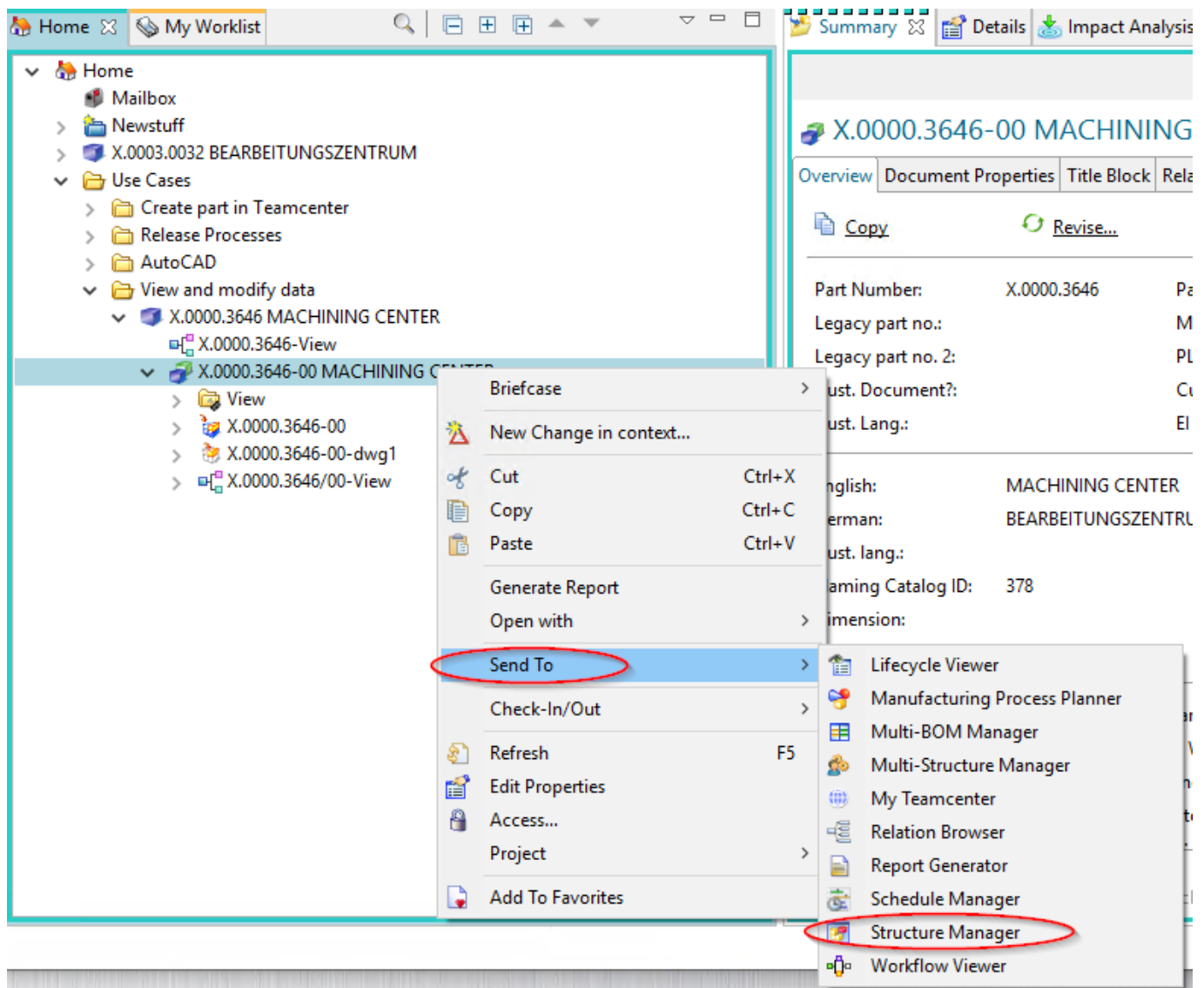
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4. working with structures

4.1 Opening a bomb in Teamcenter Structure Manager

A structure is displayed in Teamcenter in its own application, the “Structure Manager”, and can only be edited there.

To open a structure in the Structure Manager, double-click on a “BOM View Revision” of a specific revision or select the corresponding revision and use the right mouse button to navigate to the menu item “Send To ” → “Structure Manager”.



The structure is opened, layers can be expanded or collapsed.

BOM Line	Item Rev Status	Find No.	Unit Of M...	Reference Designator	Has Children	Part Type	Position Text (DE)	Position Text (EN)	Purch
X.0000.3646-00 MACHINING CENTER (View)									
X.0003.0026-01 (View)	ER	10	each		True				
X.0003.0025-01	ER	10	each		False				
X.0003.0024-01	ER	20	each		False				
X.0003.0027-01	ER	20	each		False				
X.0003.0031-01	ER	30	each		False				
X.0003.0028-01	ER	40	each		False				
X.0003.0029-01 MASCHINENBETT	ER	50	each		False				

4.2 Editing Attributes in the Structure

Attributes on the structure are only visible in the structure manager, since these attributes are usage-dependent and not part-dependent.

For FFG, the customer-specific attributes (e.g. “SAP Position Type”) have been preconfigured, but each user can individually configure the selection of columns.

To edit an attribute, double-click in the column of a BOM Line (that is, in one line).

BOM Line	Item Rev Status	Find No.	Unit Of M...	Reference Designator	Has Children	Part Type	SAP Position Type	Position Text (DE)
X.0000.3646-00 MACHINING CENTER (View)								
X.0003.0026-01 (View)	Ha...	ER	10	each	True			
X.0003.0025-01	Ha...	ER	10	each	False			
X.0003.0024-01	Ha...	ER	20	each	False			
X.0003.0027-01	Ha...	ER	20	each	False			
X.0003.0031-01	Ha...	ER	30	each	False			
X.0003.0028-01	Ha...	ER	40	each	False			
X.0003.0029-01 MASCHINENBETT								

Note for X.0003.0027-01

SAP Position Type

Attached LOV

Value	Description
L	Lagerposition
T	Textposition

OK Cancel

Doppelklick / Double click

If a LOV (List of Values) is attached to the attribute, you can select a value from the drop-down menu. Then close the menu with “OK”.

*Structure Manager

* X.0000.3646-00 MACHINING CENTER (View) - Latest Working - Date - "Now"

BOM Line	Rul...	Item Rev Status	Find No.	Unit Of M...	Reference Designa...	Has Children	Part Type	SAP Position Type	Position Text (DE)
X.0000.3646-00 MACHINING CENTER (View)						True			
X.0003.0026-01 (View)	Ha...	ER	10	each		True			
X.0003.0025-01	Ha...	ER	10	each		False			
X.0003.0024-01	Ha...	ER	20	each		False			
X.0003.0027-01	Ha...	ER	20	each		False		L	
X.0003.0031-01	Ha...	ER	30	each		False			
X.0003.0028-01	Ha...	ER	40	each		False			
X.0003.0029-01 MASCHINENBETT	Ha...	ER	50	each		False			

The value is stored and displayed.

The second example shows how to edit a simple value without a value list, in this case the item number in the BOM. Here you also double-click on the column "Find No.", then you can enter a value directly and confirm with "Enter".

*Structure Manager

* X.0000.3646-00 MACHINING CENTER (View) - Latest Working - Date - "Now"

BOM Line	Rul...	Item Rev Status	Find No.	Unit Of M...	Reference Designa...	Has Children	Part Type	SAP Position Type	Position Text (DE)
X.0000.3646-00 MACHINING CENTER (View)						True			
X.0003.0026-01 (View)	Ha...	ER	10	each		True			
X.0003.0025-01	Ha...	ER	10	each		False			
X.0003.0024-01	Ha...	ER	20	each		False			
X.0003.0027-01	Ha...	ER	20	each		False		L	
X.0003.0031-01	Ha...	ER	30	each		False			
X.0003.0028-01	Ha...	ER	40	each		False			
X.0003.0029-01 MASCHINENBETT	Ha...	ER	50	each		False			

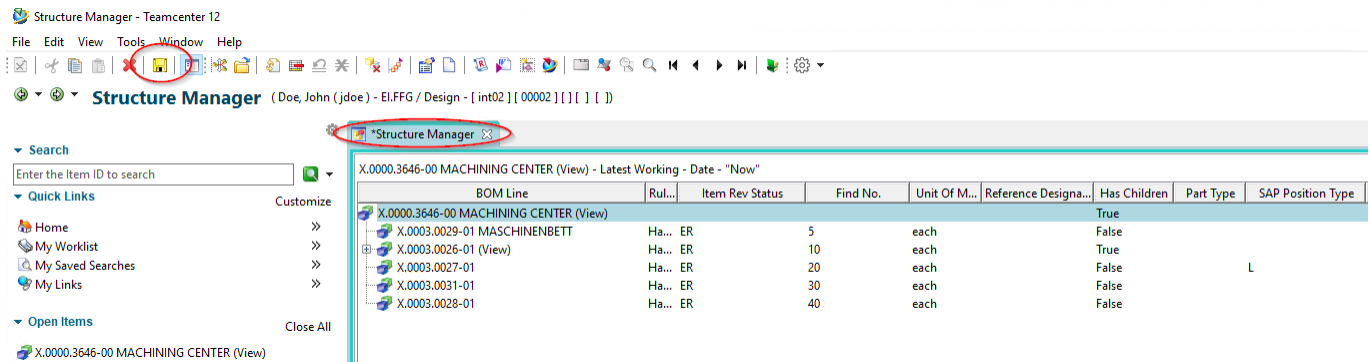
The BOM Line then moves to the corresponding position in the BOM item.

*Structure Manager

* X.0000.3646-00 MACHINING CENTER (View) - Latest Working - Date - "Now"

BOM Line	Rul...	Item Rev Status	Find No.	Unit Of M...	Reference Designa...	Has Children	Part Type	SAP Position Type	Position Text (DE)
X.0000.3646-00 MACHINING CENTER (View)						True			
X.0003.0029-01 MASCHINENBETT	Ha...	ER	5	each		False			
X.0003.0026-01 (View)	Ha...	ER	10	each		True			
X.0003.0025-01	Ha...	ER	10	each		False			
X.0003.0024-01	Ha...	ER	20	each		False			
X.0003.0027-01	Ha...	ER	20	each		False		L	
X.0003.0031-01	Ha...	ER	30	each		False			
X.0003.0028-01	Ha...	ER	40	each		False			

If you have made changes to the structure, these are not written directly to the database. An asterisk (*) in the “Structure Manager” tab indicates that the structure has been changed but not yet saved. You can save the changes using the “Save” button in the menu bar.

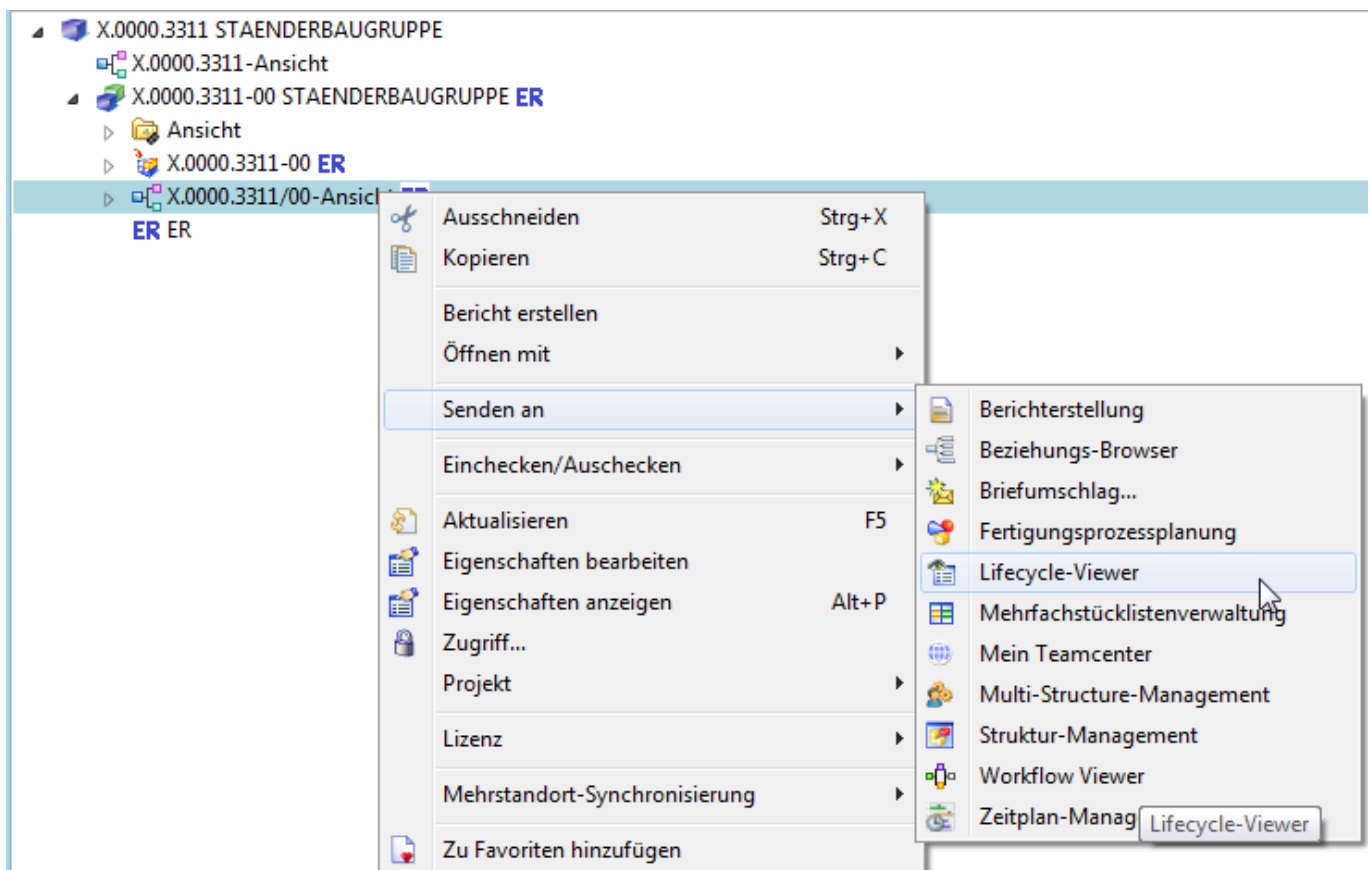


If you do not save explicitly, you will be prompted when you close the Structure Manager to decide which changes should be saved.

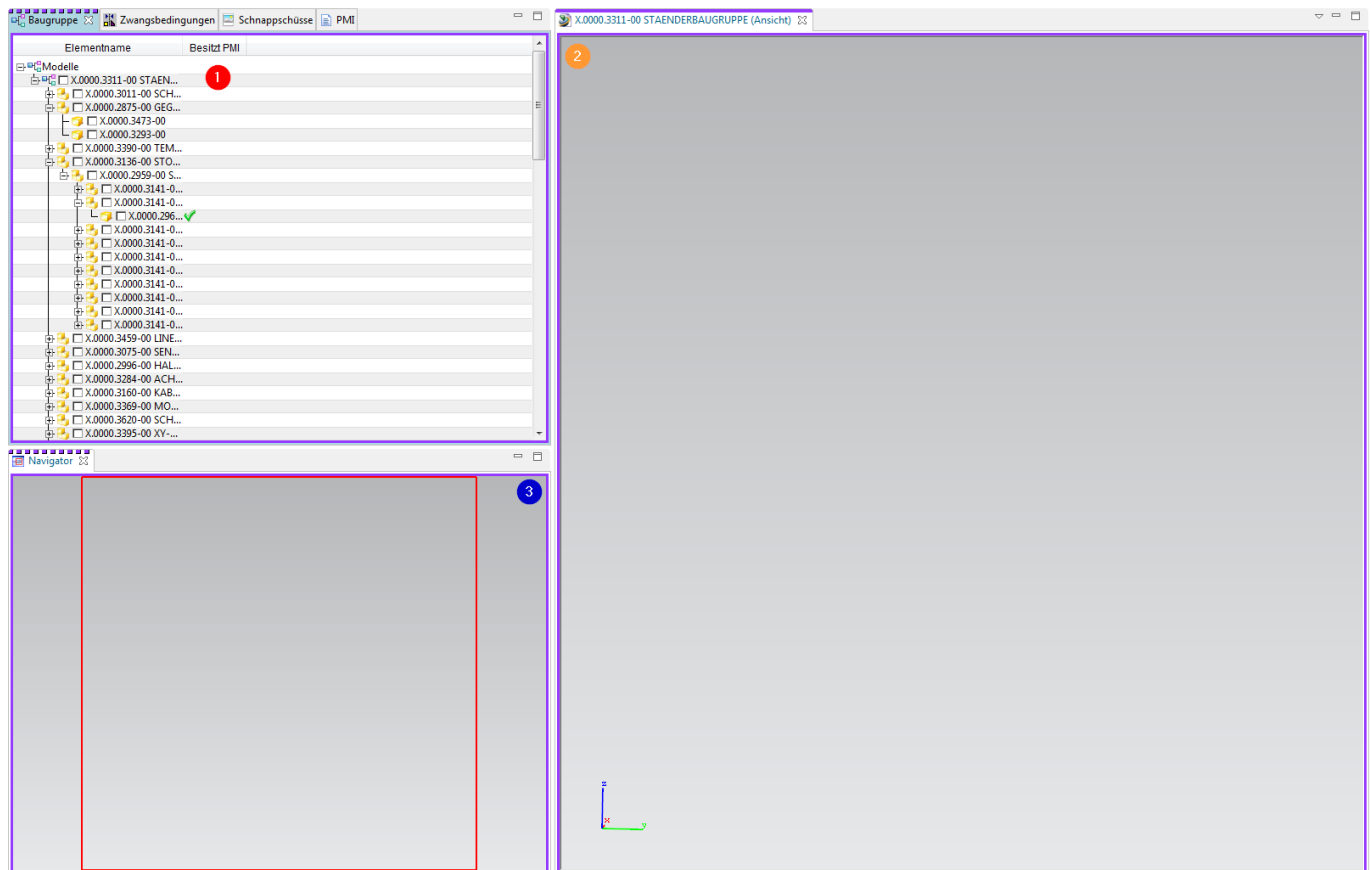
4.3 Visualization of 3D data

4.3.1 Calling the LifeCycle Viewer

To visualize the structure of the product in the Structure Manager - the Teamcenter Lifecycle Visualization Viewer must be called by right-clicking on the BOM View . This can be found in the selection of “Send to”.



2.3.2 Displaying product structures in the LifeCycle Viewer



1. To display a structure, subassemblies or individual parts, you must activate them by left-clicking in the field. Now all item revs that have a JT are displayed. If a field is filled in green, no JT exists for this Item Rev.
2. After loading has been successfully completed, the structure is now displayed visually. You can add additional functions by right-clicking on the toolbar and, for example, execute measurement commands directly in the Viewer.
3. With the navigator you can enlarge a desired area.