

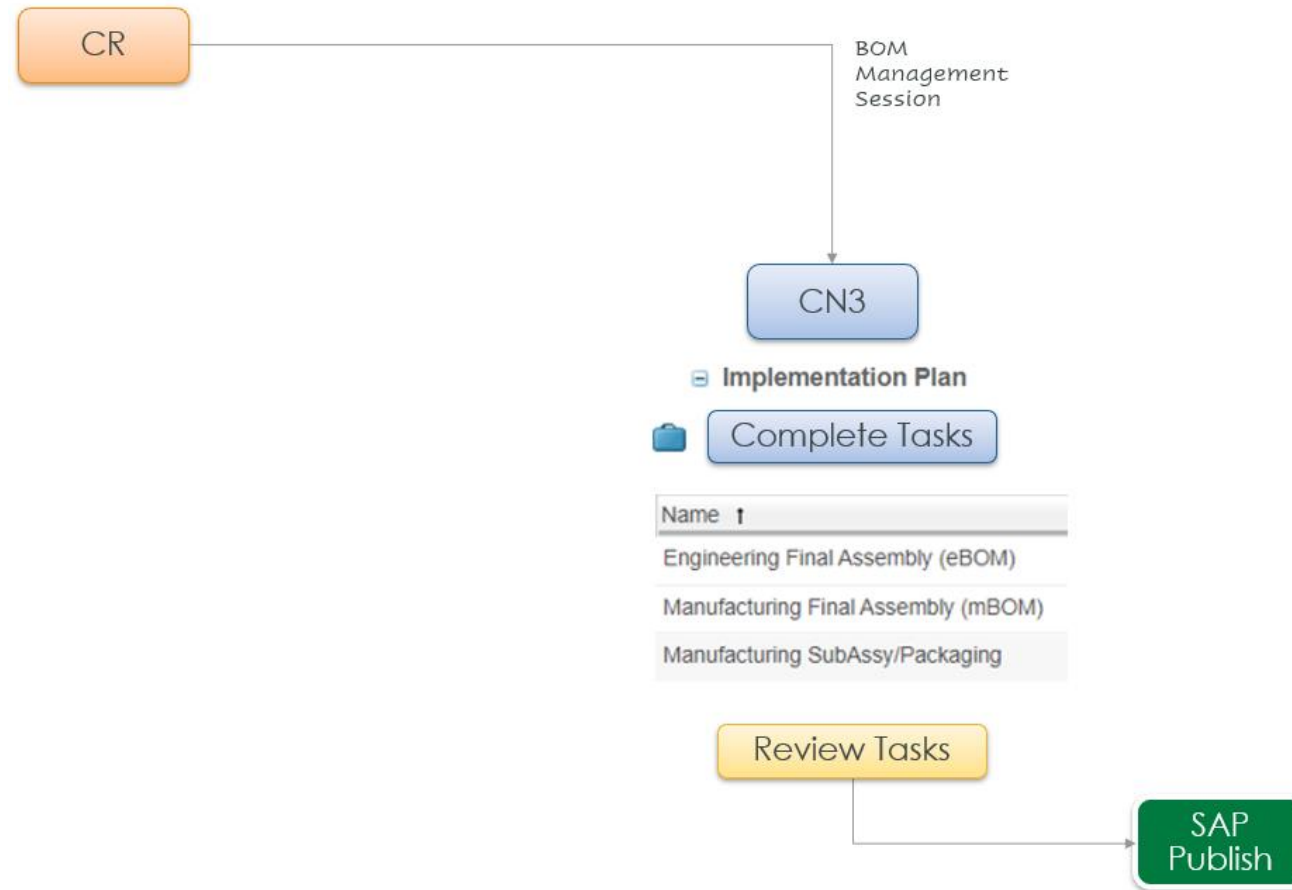
BOM Management

Agenda:

1. Validate Prerequisites
2. Create new CN
3. Setup CN Participants
4. eBOM CN Task
 - Update existing eBOM
 - Update Hardware
 - Complete eBOM Task
5. mBOM CN Task
 - Update existing mBOM
 - Replace Hardware 01>02
 - Create Phantom ASM
 - Create Equivalent Links
 - Complete mBOM Task
6. Packaging Task
 - Update existing Package
 - Replace Package 01>02
 - Complete Packaging Task
7. Complete Review Tasks
8. Publish to SAP

Exercise Scenario

Scenario: In this session an existing eBOM will be updated by changing the Hardware Subassembly. The hardware subassembly will incorporate Electrical subassembly and Mechanical subassembly created during the CAD session. Also, an existing mBOM will be updated based on eBOM changes and by adding an updated Packaging.



Title

CR

 Final Assembly 01

 Final Assembly 01 **Holly**


 Electrical 01

 Mechanical 01

Validate Prerequisites

BOM Management Session

CN3

 Implementation Plan



Complete Tasks

Name ↑

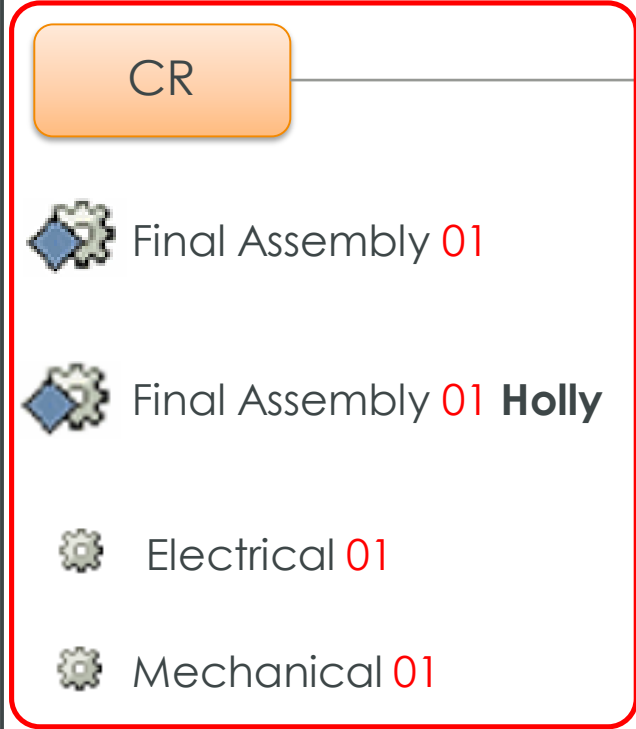
Engineering Final Assembly (eBOM)

Manufacturing Final Assembly (mBOM)

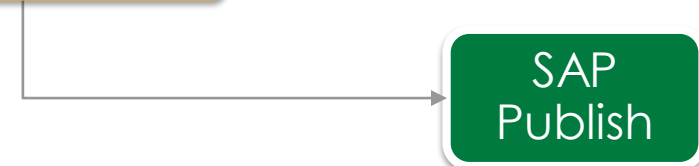
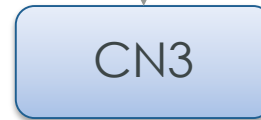
Manufacturing SubAssy/Packaging

Review Tasks

SAP Publish



Name ↑
Engineering Final Assembly (eBOM)
Manufacturing Final Assembly (mBOM)
Manufacturing SubAssy/Packaging



BOM Management

Step: Verify Prerequisite no 1

- eBOM_YNI is created
- mBOM_YNI is created
- NOTE: if you don't have your eBOM and mBOM please use the Instructor one and make your copy with Save As

CR

Change Management Session



CN1

Folder Contents All

	Number	Name	Version
	0000000108	Software_YNI	A.1 (Engineering)
	VE000011101	Packaging_YNI	01.1 (Holly)
	RO000010701	Hardware_YNI	01.1 (Engineering)
	GP000011001	FinalAssembly_YNI	01.1 (Holly)
	GP000010901	FinalAssembly_YNI	01.2 (Engineering)

Products > TRAINING > CN1

Final Assembly - GP000010901,

Details Structure Related Objects Changes

Editing: Insert Existing, Remove, Insert New, Edit

Check Out/In: Check Out, Rev, Check In, My C

Find in Structure: All, Advanced

Identity

- GP000010901, FinalAssembly_YNI, 01.2 (Engineering)
- 0000000108, Software_YNI, A.1 (Engineering)
- RO000010701, Hardware_YNI, 01.1 (Engineering)

Products > TRAINING > CN1

Final Assembly - GP000011001,

Details Structure Related Objects Changes

Editing: Insert Existing, Remove, Insert New, Edit

Check Out/In: Check Out, Rev, Check In, My C

Find in Structure: All, Advanced

Identity

- GP000011001, FinalAssembly_YNI, 01.1 (Holly)
- 0000000108, Software_YNI, A.1 (Engineering)
- RO000010701, Hardware_YNI, 01.1 (Engineering)

BOM Management

Step: **Verify Prerequisite no 2**

- Electrical_YNI_PC B.Asm is created
- Electrical_YNI_PC B is created
- Mechanical_YNI is created
- AsmCustDWG_YN I is created
- NOTE: if you don't have your eBOM and mBOM please use the Instructor one and make your copy with SaveAs

CR

CAD Management Session



CN2

Folder Contents All

				Number	Name		Version	State
				RO000010401	Electrical_YNI_PCB		01.1 (Engineering)	Draft
				RO000010301	Electrical_YNI_PCB.Asm		01.1 (Engineering)	Draft
				RO000010501	Electrical_YNI_Variant_PCB.Asm		01.2 (Engineering)	Draft
				0000000046	YNI_PCBA		A.1	In Work
				0000000050	YNI_Variant_PCBA		A.1	In Work
				0000000047	YNI_FAB		A.1	In Work

Folder Contents All (4 objects)

				Number	Name		Version	State
				RO000011301	AsmCustDWG_YNI_DashCamAsm		01.1 (Engineering)	Draft
				RO000011201	Mechanical_YNI_CoverAsm		01.1 (Engineering)	Draft
				0000000057.CATPRODUCT	AsmCustDWG_YNI_DashCamAsm.CA...		A.1	In Work
				0000000056.CATPRODUCT	Mechanical_YNI_CoverAsm.CATProduct		A.1	In Work

BOM Management

Step: Verify Prerequisite no 3

Make sure your CR_YNI is created:

- Change Filter to Change Objects or

- Search for CR_YNI_TRN

- NOTE: if your CR doesn't exist please use the Instructor CR

- In this BOM session we will Create a new CN based on the existing CR

Folder Contents **Change Objects**

New Document New Part New Change Request New Problem Report New Review New Folder Copy Add to Workspace Actions

	Number	Name	Version	State
<input type="checkbox"/>	CN0000250	CN2_YNI_TRN		Implementation
<input type="checkbox"/>	PCN00023	PCN_YNI_TRN		Rejected
<input type="checkbox"/>	CN0000245	CN1_YNI_TRN		Resolved
<input type="checkbox"/>	CR0000442	CR_YNI_TRN		Implementation

(0 objects selected)

All Types CR_YNI_TRN Quick Links

Folder Contents All (4 objects)

New Document New Part New Change Request New Problem Report New Review New Folder Copy Add to Workspace Actions Search in table

	Number	Name	Version	State	Last Modified ↓
<input type="checkbox"/>		2 - Parts and Sub-Assemblies			2020-06-09 11:01 EDT
<input type="checkbox"/>		1 - Final Assemblies			2020-06-09 10:59 EDT
<input type="checkbox"/>		0 - Documents			2020-06-05 11:50 EDT
<input type="checkbox"/>		3 - Changes and Promotions			2020-06-05 11:50 EDT

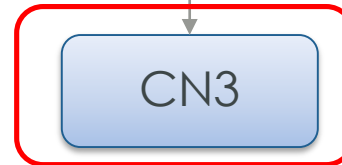
(0 objects selected)

Title

Create New Change Notice



BOM Management Session



Implementation Plan



Name ↑

Engineering Final Assembly (eBOM)

Manufacturing Final Assembly (mBOM)

Manufacturing SubAssy/Packaging



BOM Management

Step 1: Create CN3

- Create a new CN from your existing CR_YNI
- This CN will have only three tasks:
 - eBOM
 - mBOM
 - Packaging
- Navigate to the existing CR_YNI_TRN
- Click Actions menu
- Select New Change Notice

The screenshot shows the Windchill interface for a Change Request (CR0000001). The 'Actions' menu is open, and the 'New Change Notice' option is highlighted. The interface includes a search bar, a navigation pane, and a table of related data.

Windchill Interface Details:

- Header: windchill, rtemur, Part, Document, CAD D..., Search, Quick Links
- Breadcrumbs: Products > TRAINING
- Page Title: Change Request - CR0000001
- Status: Resolved
- Actions Menu:
 - Edit
 - New Change Notice (highlighted)
 - New Problem Report
 - New Defect
 - New Variance
 - New Review
 - View Related Tasks
 - Copy
 - Move
 - Rename
 - Set State
 - Delete
 - Reassign Life Cycles
 - Reset Team
 - Add to
 - Edit Access Control
 - Subscribe
 - Track New Work
 - New Activity
- Table of Data:

Origin:	Internal - Engineering	Reimbursement:	Customer Paid	CCB Meeting:	Yes
Impact Response Need Date:	2020-05-07 00:00 EDT	CR Approval Target:	2020-05-08 00:00 EDT		
Magna Design Release:	2020-05-09 00:00 EDT	Magna Build Target:	2020-05-12 00:00 EDT	Customer MRD:	2020-05-19 00:00 EDT
				Customer SOP:	2020-05-26 00:00 EDT

BOM Management

Step1: Create CN3

- Make sure you select: Propagate Information
- Enter name as: CN3_YNI_TRN
- Scroll-down the page

New Change Notice

1 Set Attributes 2 Define Implementation Plan 3 Set Attachments 4 Select Associations

Product: Test_MEProduct
*** Type:** Change Notice ▾
 Propagate information
Template: Magna Change Notice Template ▾

Attributes

*** Name:** CN3_YNI_TRN

Description:

description

* Indicates required fields.

Back Next Finish Cancel

BOM Management

Step1: Create CN3

- Enter CN Completion target
- Click Next

New Change Notice

1 **Set Attributes** 2 Define Implementation Plan 3 Set Attachments 4 Select Associations

Describe the Change Request here...

Magna Details

Project 000001

Origin: Internal - Engineering

Reimbursement: Customer Paid

* CN Completion Target: 2020-05-25 yyyy-mm-dd

* Magna Design Release: 2020-05-09 yyyy-mm-dd

* Magna Build Target: 2020-05-12 yyy

Reason for Date Change:

Customer PO:

ED&T PO:

Tooling PO:

* Indicates required fields.

Back

Next

Finish

Cancel

BOM Management

Step 1: Create CN3

- Select all tasks except:
 - eBOM
 - mBOM
- Packaging
- Click Remove Icon
- Click Next

New Change Notice

1 Set Attributes 2 **Define Implementation Plan** 3 Set Attachments 4 Select Associations

Implementation Plan

(9 objects)

	Number	Name ↑	State	Assignee	Reviewer	Need Date
<input checked="" type="checkbox"/>	(Generated)	Electrical PCB Assembly				
<input checked="" type="checkbox"/>	(Generated)	Electrical PCB/Array				
<input type="checkbox"/>	(Generated)	Engineering Final Assembly (eBOM)				
<input checked="" type="checkbox"/>	(Generated)	Hardware Assembly				
<input type="checkbox"/>	(Generated)	Manufacturing Final Assembly (mBOM)				
<input type="checkbox"/>	(Generated)	Manufacturing SubAssy/Packaging				
<input checked="" type="checkbox"/>	(Generated)	Mechanical Assy/Customer Dwg				
<input checked="" type="checkbox"/>	(Generated)	Mechanical Component				
<input checked="" type="checkbox"/>	(Generated)	Software				

New Change Notice

1 Set Attributes 2 **Define Implementation Plan** 3 Set Attachments 4 Select Associations

Implementation Plan

(3 objects)

	Number	Name ↑	State	Assignee	Reviewer
<input type="checkbox"/>	(Generated)	Engineering Final Assembly (eBOM)			
<input type="checkbox"/>	(Generated)	Manufacturing Final Assembly (mBOM)			
<input type="checkbox"/>	(Generated)	Manufacturing SubAssy/Packaging			

Back

Next

Finish

Cancel

BOM Management

Step 1: Create CN3

- Click Next for Set Attachments
- Click Finish for Select associations
- Click Submit Now

New Change Notice ?

1 Set Attributes 2 Define Implementation Plan 3 **Set Attachments** 4 Select Associations

Attachments (0 objects)

*Label or File Name	*URL/External Location	Attach
---------------------	------------------------	--------

(0 objects selected)

Back **Next** Finish Cancel

New Change Notice ?

1 Set Attributes 2 Define Implementation Plan 3 Set Attachments 4 **Select Associations**

Associated Process Objects All (1 c)

Identity ↑	Name	Category	Pri
CR0000001	CR_YNI_TRN		

Search in table

+ Add by Number Add by Name

(0 objects selected)

Message

CONFIRMATION: Submit the change object now?

Click "Submit Now" to submit the change object now.
Click "Submit Later" to submit the change object at another time.

Submit Now Submit Later Cancel

+ Add by Number Add by Name

(0 objects selected)

Back **Next** Finish Cancel

BOM Management

Step 1: Create CN3

- Note confirmation CN created successful
- Write down the CN3_YNI_TRN number for later use

CONFIRMATION: Create successful
The object was created successfully.

Change Notice: CN0000038

Change Request - CR0000001

Resolved

Attributes | More Attributes | Attachments | Annotations | Affected Objects | Affected End Items | Associated Process Objects | Associated Reference Objects

Attributes

Name: CR_YNI_TRN
Category:
Change Admin I: Administrators
Description: Describe the Change Request here...
Proposed Solution: Proposed solution here....
Delta Piece Cost:

Justification

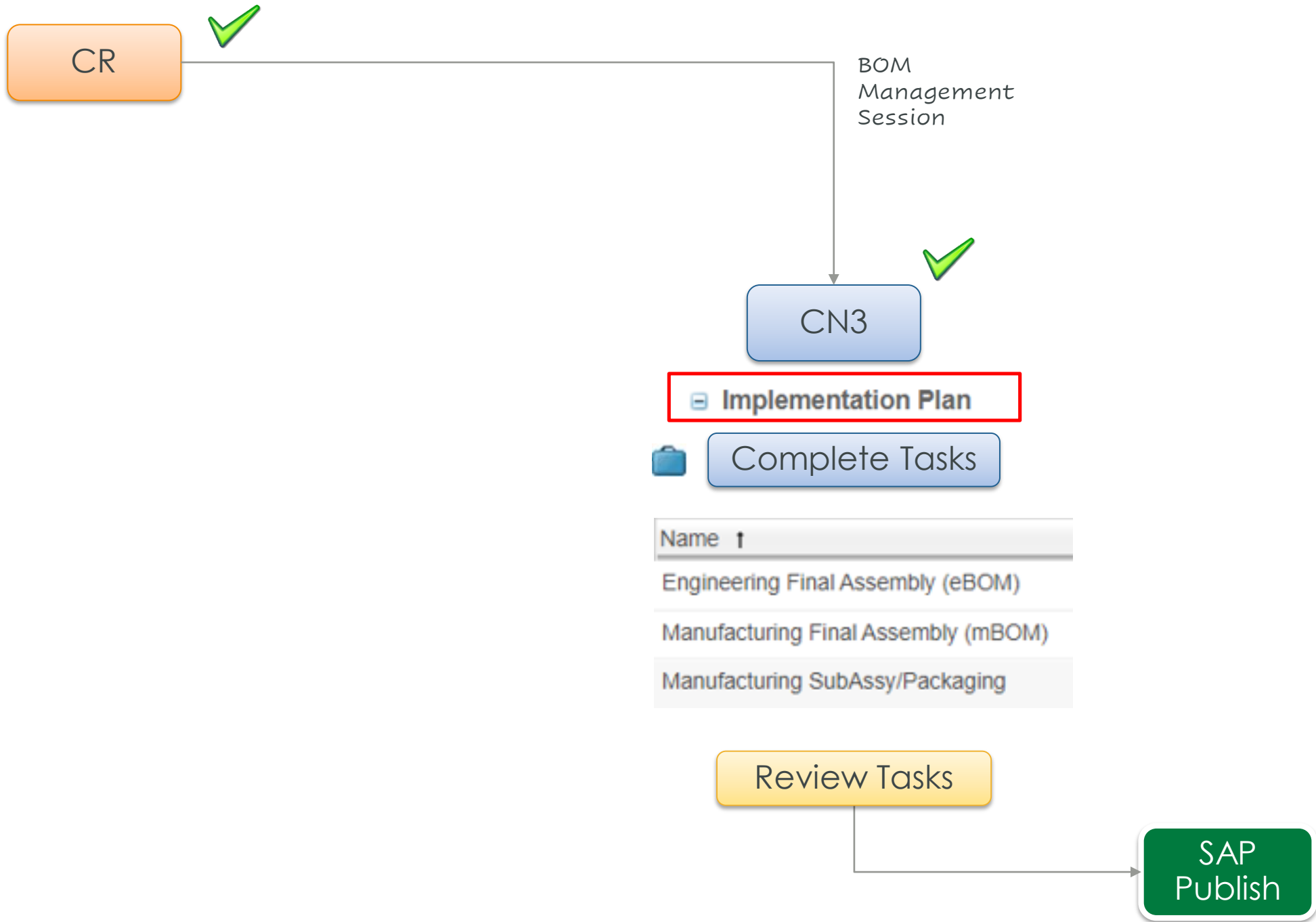
Recurring Cost:
Nonrecurring Cost:

Business Attributes

Project Number:	000001	Origin:	Internal - Engineering	Reimbursement:	Customer Paid	CCB Meeting:	Yes
Impact Response Need Date:	2020-05-07 00:00 EDT	CR Approval Target:	2020-05-08 00:00 EDT				
Magna Design Release:	2020-05-09 00:00 EDT	Magna Build Target:	2020-05-12 00:00 EDT	Customer MRD:	2020-05-19 00:00 EDT	Customer SOP:	2020-05-26 00:00 EDT
Customer CR Number:		Nature of Change:					
Consolidated:		Customer:	Training	RDR Gate:			

Title

Setup Change Notice Participants



BOM Management

Step 2: Setup CN Participants

- Go to Home Page
- See My Tasks
- New Tasks are Generated
- Click the task name to open: Set Assignee & Reviewer task for eBOM subject

The screenshot displays the Windchill interface for task management. The top navigation bar includes 'Tasks | Updates | Checked-Out Work' and a 'Customize' dropdown. Below this, the 'My Tasks' section shows a list of tasks with columns for Name, Subject, and Role. The task 'Set Assignee & Reviewer' for 'Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)' is highlighted with a red box. An arrow points from this task to a detailed view of the task. The detailed view shows the task title 'Task - Magna Change Activity Workflow_CT0000071-Set Assignee & Reviewer' and a 'Set Up Participants' tab. The 'General' section provides details such as Subject, Instructions, Process, Process Initiator, Process Initiated On, Assignee, Role, Priority, Deadline, and Status. The 'Inputs' section includes a 'Comments' field. The interface also features a 'Navigator' on the left and 'Save' and 'Complete Task' buttons at the bottom.

Name	Subject	Role
Set Assignee & Reviewer	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	LaunchManager
Set Assignee & Reviewer	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	LaunchManager
Set Assignee & Reviewer	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	LeadSystemEngineer

Task Details:

Task - Magna Change Activity Workflow_CT0000071-Set Assignee & Reviewer

Set Up Participants

General

Subject: Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)

Instructions: Set an Assignee (to complete the task) and a Reviewer (to approve the work).

Process: Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM)

Process Initiator: Roberto Temur

Process Initiated On: 2020-05-21 13:26 EDT

Assignee: Roberto Temur

Role: LeadSystemEngineer

Priority: Highest

Deadline:

Status: Potential

Inputs

Comments:

BOM Management

Step 2: Setup CN Participants

- Select Setup Participants TAB
- Make sure you are assigned as Assignee and Reviewer
- Select Details TAB

windchill rtemur Change Request Search Quick Links

Products > TRAINING > Tasks Recently Accessed

This is a 'Set Up Participants' task. Use the Set Up Participants tab to assign participants to different roles used in this process.

Task - Magna Change Activity Workflow_CT0000071-Set Assignee & Reviewer Implementation

Details Related **Set Up Participants**

Attributes Save Complete Task

General

Subject: Magna Change Task - CT0000071_Engineering Final Assembly (eBOM)

Instructions: Set an Assignee (to complete the task) and a Reviewer (to approve the work).

Process: Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM)

Process Initiator: Roberto Temur

Process Initiated On: 2020-05-21 13:26 EDT

Assignee: Roberto Temur

Role: LeadSystemEngineer

Priority: Highest

Deadline:

Status: Potential

Inputs

Comments:

Products > TRAINING > Tasks

This is a 'Set Up Participants' task. Use the Set Up Participants tab to assign participants to different roles used in this process.

Task - Magna Change Activity Workflow_CT0000071-Set Assignee & Reviewer

Details Related Set Up Participants

Set Up Participants

Find in tree

Roles/Members	Description
Assignee	Assignee role
Roberto Temur	
Reviewer	Reviewer role
Roberto Temur	

BOM Management

Step 2: Setup CN Participants

- Enter Comments
- Click Complete Task

The screenshot shows the Windchill user interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are navigation elements like 'Change Request' and a search bar. The breadcrumb trail indicates the current location: 'Products > TRAINING > Tasks'. A yellow warning banner at the top of the task page reads: 'This is a 'Set Up Participants' task. Use the Set Up Participants tab to assign participants to different roles used in this process.' The task title is 'Task - Magna Change Activity Workflow_CT0000071-Set Assignee & Reviewer'. The 'Set Up Participants' tab is selected. The 'Attributes' section is expanded to show 'General' information: Subject: Magna Change Task - CT0000071, Engineering Final Assembly (eBOM); Instructions: Set an Assignee (to complete the task) and a Reviewer (to approve the work); Process: Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM); Process Initiator: Roberto Temur; Process Initiated On: 2020-05-21 13:26 EDT; Assignee: Roberto Temur; Role: LeadSystemEngineer; Priority: Highest; Deadline: ; Status: Potential. There is a 'Comments' text area under the 'Inputs' section. At the bottom right, there are 'Save' and 'Complete Task' buttons, with the 'Complete Task' button highlighted by a red box.

BOM Management

Step 2: Setup CN Participants

- Complete the remaining two Set Assignee & Reviewer Tasks in the same way:
 - 1 – Open Task
 - 2 – Validate Set Up Participants
 - 3 – Go to Details
 - 4 – Complete Task

The screenshot shows a software interface with a table of tasks. The table has columns for Name, Subject, and Role. Two rows are highlighted with a red box, both labeled 'Set Assignee & Reviewer'. The first row's subject is 'Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging' and the role is 'LaunchManager'. The second row's subject is 'Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)' and the role is 'LaunchManager'. The interface also includes a search bar, a 'Customize' button, and a 'Recently Accessed' dropdown menu.

	Name	Subject	Role
<input type="checkbox"/>	Set Assignee & Reviewer	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	LaunchManager
<input type="checkbox"/>	Set Assignee & Reviewer	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	LaunchManager

BOM Management

Step 2: Setup CN Participants COMPLETE

- Go to Home Page and refresh
- See My Tasks
- New tasks are generated for:
 - eBOM
 - mBOM
 - Packaging

The screenshot shows the Windchill software interface. At the top, the Windchill logo and user name 'itemur' are visible. There are navigation tabs for 'Change Request', 'Search', and 'Quick Links'. The main content area is divided into two sections: 'My Tasks' and 'Updates'.

My Tasks Section: This section is titled 'My Tasks' and shows a list of tasks. The tasks are filtered by 'Open' status. The table below shows three tasks, with the first three rows highlighted in a red box:

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070,Manufacturing SubAssy/Packaging	Assignee
Complete Change Notice Task	Magna Change Task - CT0000069,Manufacturing Final Assembly (mBOM)	Assignee
Complete Change Notice Task	Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)	Assignee

Updates Section: This section is titled 'Updates' and shows a list of updates. The updates are filtered by 'Most Recent' status. The table below shows several updates:

Name	Number	Version	State	Last Modified
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2
AsmCustDWG_YNI_DashCamAsm	RO000011301	01.1 (Engineering)	Draft	2020-05-2
Mechanical_YNI_CoverAsm.CATProduct	0000000056.CATPR...	A.1	In Work	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.1 (Engineering)	Draft	2020-05-2
CN1_YNI	CN0000037		Resolved	2020-05-2
Packaging_YNI	VE000011101	01.1 (Holly)	Production	2020-05-2
FinalAssembly_YNI	GP000011001	01.1 (Holly)	Production	2020-05-2

Title

CR



BOM
Management
Session

CN3



Implementation Plan

Complete
Change Notice
Tasks



Complete Tasks

Name ↑

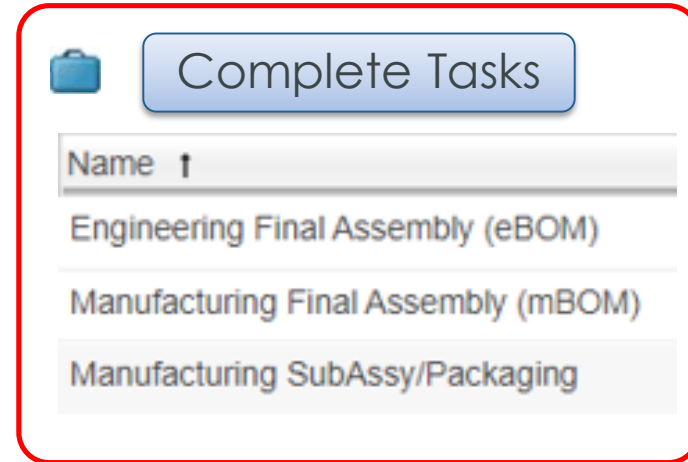
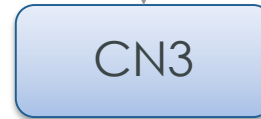
Engineering Final Assembly (eBOM)

Manufacturing Final Assembly (mBOM)

Manufacturing SubAssy/Packaging

Review Tasks

SAP
Publish



BOM Management

CR

CN3

BOM Management Session

Complete Change Notice Task eBOM

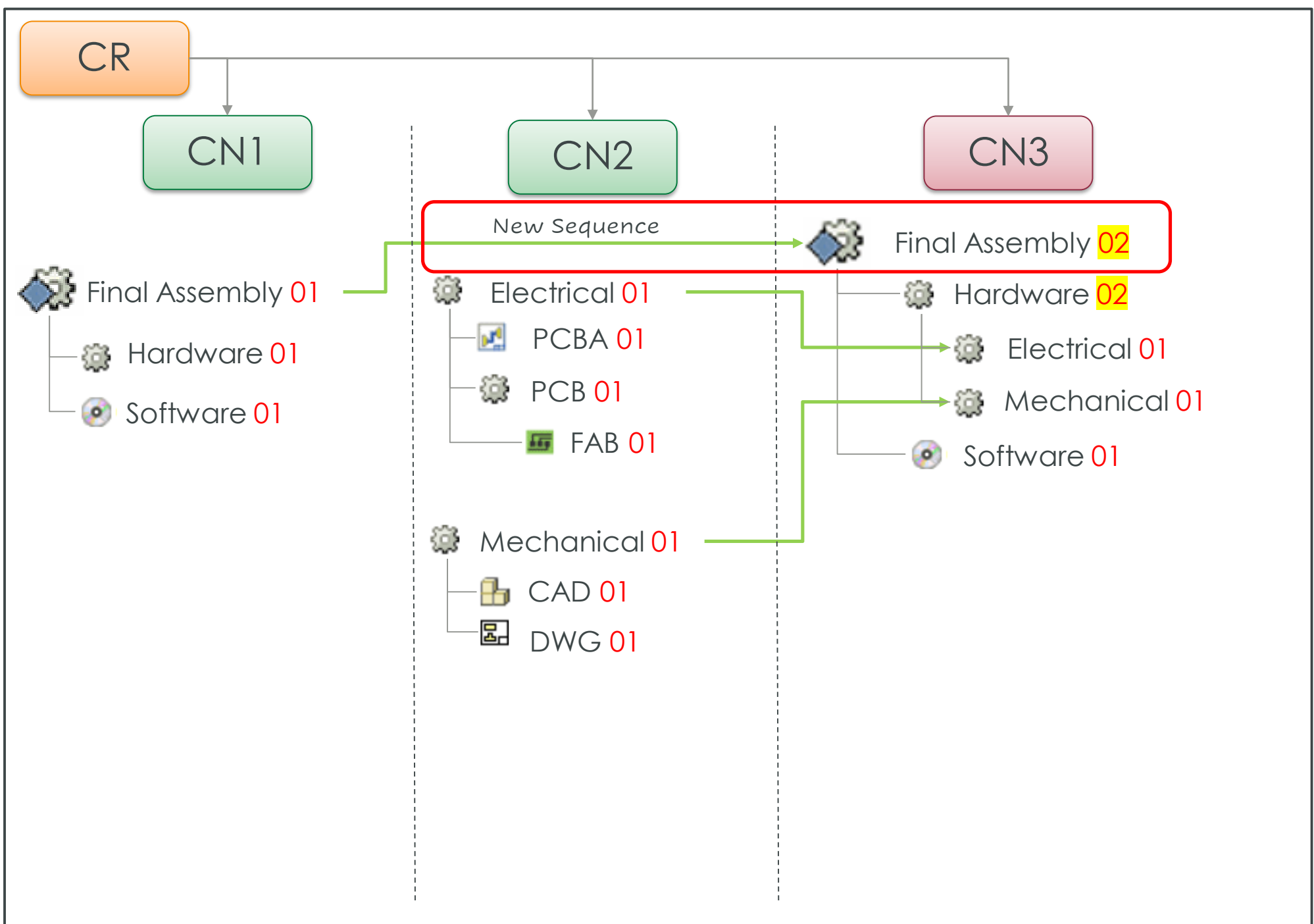


- Engineering Final ASM (eBOM)
Final Assembly 02
- Manufacturing Final ASM (mBOM)
Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
Packaging 02 Holly

BOM Management

Update of existing FA eBOM

New Sequence



BOM Management

Step3: Update of the existing Final Assembly_YNI

- Identify the task with subject: Engineering Final Assembly (eBOM)
- Click Complete Change Notice Task link for identified task to open
- Read the Description and Need Date
- Do NOT complete the task at this time

The screenshot displays a software interface for task management. At the top, there are navigation tabs: 'Tasks', 'Updates', and 'Checked-Out Work'. A 'My Tasks' section shows a list of tasks with columns for Name, Subject, and Role. The third task, 'Complete Change Notice Task' with subject 'Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)', is highlighted in orange. Below the table, the details for this task are shown under the 'Resulting Objects' tab. The 'Attributes' section includes fields for Subject, Instructions, Assignee (Roberto Temur), Role (Assignee), Deadline, Priority (Highest), Status (Potential), and Process. The 'Subject Attributes' section includes Change Notice (Change Notice - CN0000038), Change Notice Name (CN3_YNI), Name (Engineering Final Assembly (eBOM)), Need Date, and Description. The description text is highlighted with a red box.

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070,Manufacturing SubAssy/Packaging	Assignee
Complete Change Notice Task	Magna Change Task - CT0000069,Manufacturing Final Assembly (mBOM)	Assignee
Complete Change Notice Task	Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)	Assignee

Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task

Resulting Objects

Attributes

Subject: Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)

Instructions: You have been assigned a task for the change notice.
1. Review the object displayed.
2. Complete the work required.
3. Enter comments in the Comments text field below.
4. Click Complete Task to advance the change activity.

Assignee: Roberto Temur
Role: Assignee
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM)

Subject Attributes

Change Notice: Change Notice - CN0000038
Change Notice Name: CN3_YNI
Name: Engineering Final Assembly (eBOM)
Need Date:
Description: Update and release affected Engineering Final Assembly (eBOM). Confirm BOM structure for Engineering Final Assembly (eBOM) is correctly configured.
Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released.
If applicable, update all related ProjectLink Activities and deliverables.

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Click on the Resulting Objects TAB
- Click Edit icon to edit the Change Task

The screenshot displays the Windchill user interface for a task titled "Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task". The interface includes a top navigation bar with "Change Request", "Search", and "Quick Links" options. The main content area is divided into two sections: "Attributes" and "Subject Attributes".

Attributes Section:

- Subject:** Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)
- Instructions:** You have been assigned a task for the change notice.
 1. Review the object displayed.
 2. Complete the work required.
 3. Enter comments in the Comments text field below.
 4. Click Complete Task to advance the change activity.
- Assignee:** Roberto Temur
- Role:** Assignee
- Deadline:**
- Priority:** Highest
- Status:** Potential
- Process:** Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM)

Subject Attributes Section:

- Change Notice:** Change Notice - CN0000038
- Change Notice Name:** CN3_YNI
- Name:** Engineering Final Assembly (eBOM)
- Need Date:**
- Description:** Update and release configured.
Review and confirm released.
If applicable, update

The "Resulting Objects" tab is active, showing a table with columns for "Identity" and "Name". A toolbar above the table includes an "Edit" icon (pencil) which is highlighted with a red box. The "Complete Resulting Objects" section includes a dropdown menu set to "All".

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Click Add Affected objects icon



Search for your Final Assembly:

- Type FinalAssembly_YNI in Name field
- Click Search
- Select FA_YNI Engineering View
- Click OK

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (0 objects)

Actions Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation Sets	Comments
+ Add by Number	Add by Name							

(0 objects selected)

Resulting Objects All

Find Affected Objects

Type: All Applicable Object Types Add/Update

Context: TRAINING

Number:

Name: FinalAssembly_YNI

Revision: Select: Latest Specify:

Search Results (4 objects)

Search in table

	Number ↓	Name	Context	Version
<input type="checkbox"/>	GP000011001	FinalAssembly_YNI	TRAINING	01.1 (Holly)
<input checked="" type="checkbox"/>	GP000010901	FinalAssembly_YNI	TRAINING	01.2 (Engineering)

OK Cancel

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Note eBOM (01) was added to Affected Objects
- Select the eBOM in Affected Objects
- Click New Sequence Icon




Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Search in table

<input checked="" type="checkbox"/>		Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation
<input checked="" type="checkbox"/>		GP000010901	01.2 (Engineering)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (1 objects selected)

Resulting Objects All (0 objects)

Search in table

<input type="checkbox"/>		Number	Version	Name	State	Release Target ↑	Comments
--------------------------	--	--------	---------	------	-------	------------------	----------

+ Add by Number Add by Name (0 objects selected)

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Select eBOM Final assembly
- Click Dependents button
- Select All option

Identify the impact of change:

- Components that are changing are:
 - Hardware
 - FinalAssembly

New Sequence

Current Settings: No dependents, Latest : Engineering, Working

New Sequence As a List Default (1 of 1 objects)

Dependents

	Number	New Number	File N...	New File...	Name	Version
<input checked="" type="checkbox"/>	GP000010901	(Generated)			FinalA...	01.2 (Engineering)

(1 objects selected)

New Sequence

Current Settings: All dependents Latest : Engineering, Working

New Sequence As a List Default (3 of 3 objects)

Dependents

	Number	New Number	File N...	New File...	Name	New Name	Version
<input type="checkbox"/>	0000000108	(Generated)			Software_YNI	Software_YNI_	A.1 (Engineering)
<input checked="" type="checkbox"/>	RO000010701	(Generated)			Hardware_YNI	Hardware_YNI_	01.1 (Engineering)
<input type="checkbox"/>	GP000010901	(Generated)			FinalAssembly_YNI	FinalAssembly_YNI_	01.2 (Engineering)

(0 objects selected)

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Select only the Software component
- Click Reuse icon



- Update the New name of the changing components as shown: add the word "Changed"
- Click OK

New Sequence

Current Settings: All dependents Latest : Engineering, Working

New Sequence As a List Default (3 of 3 objects)

		Number	New Number	File N...	New File...	Name ↓	New Name	Version
<input checked="" type="checkbox"/>		0000000108	(Generated)			Software_YNI	Software_YNI_	A.1 (Engineering)
<input type="checkbox"/>		RO000010701	(Generated)			Hardware_YNI	Hardware_YNI_	01.1 (Engineering)
<input type="checkbox"/>		GP000010901	(Generated)			FinalAssembly_YNI	FinalAssembly_YNI_	01.2 (Engineering)

(1 objects selected)

New Sequence

Current Settings: All dependents Latest : Engineering, Working

New Sequence As a List Default (3 of 3 objects)

		Number	New Number	File N...	New File...	Name ↓	New Name	Version
<input checked="" type="checkbox"/>		0000000108				Software_YNI		A.1 (Engineering)
<input type="checkbox"/>		RO000010701	(Generated)			Hardware_YNI	Hardware_YNI_Changed	01.1 (Engineering)
<input type="checkbox"/>		GP000010901	(Generated)			FinalAssembly_YNI	FinalAssembly_YNI_Changed	01.2 (Engineering)

(1 objects selected)

*Indicates required fields

OK

Cancel

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Click Refresh Button from the Resulting Objects



Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation
<input type="checkbox"/>	GP000010901	01.2 (Engineering)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (0 objects selected)

Resulting Objects All (0 objects)

Search in table

	Number	Version	Name	State	Release Target ↑	Comments
--	--------	---------	------	-------	------------------	----------

+ Add by Number Add by Name (0 objects selected)

Back Next Finish Cancel

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Note the Resulting Objects Table is successfully Updated
- Note the version of new Parts as 02
- Note the State is Draft

Edit Change Task
Refresh Resulting Objects
Table successfully updated.

Set Attributes | Select Affected/Resulting Objects

Affected Objects All (1 objects)

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annota
<input type="checkbox"/>	GP000010901	01.2 (Engineering)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number | Add by Name
(0 objects selected)

Resulting Objects All (2 objects)

	Number	Version	Name	State	Release Target...	Comments
<input type="checkbox"/>	GP000010902	01.1 (Engineering)	FinalAssembly_YNI_Changed	Draft		
<input type="checkbox"/>	RO000010702	01.1 (Engineering)	Hardware_YNI_Changed	Draft		

+ Add by Number | Add by Name
(0 objects selected)

Back | Next | Finish | Cancel

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Set Release Target to Production for all objects
- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Number	Version	Name	On Order	Work-in-Process	Finished	Annotations
GP000010901	01.2 (Engineering)	FinalAssembly_YNI	Use Existing	Use Existing	Use Existing	

+ Add by Number Add by Name
(0 objects selected)

Resulting Objects All (2 objects)

Number	Version	Name	State	Release Target	Comments
GP000010902	01.1 (Engineering)	FinalAssembly_YNI_Changed	Draft	Production	
RO000010702	01.1 (Engineering)	Hardware_YNI_Changed	Draft	Production	

+ Add by Number Add by Name
(0 objects selected)

Back Next **Finish** Cancel

BOM Management

Step3: Update of the existing Final Assembly_YNI

- Note: Resulting Objects added to the Change Task
- Before to Complete the task you need to update the Hardware Component
- Click View Information icon for: Hardware_YNI



Windchill rtemur Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task Implementation ?

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (2 objects)

Identity	Name	State	Comments
RO000010702, Hardware_YNI_Changed, 01.1 (Engineering)	Hardware_YNI_Chan...	Draft	
GP000010902, FinalAssembly_YNI_Changed, 01.1 (Engineering)	FinalAssembly_YNI_...	Draft	

(0 objects selected)

Search | Browse Navigator

BOM Management

CR

BOM Management Session
CN3

Complete Change Notice Task eBOM

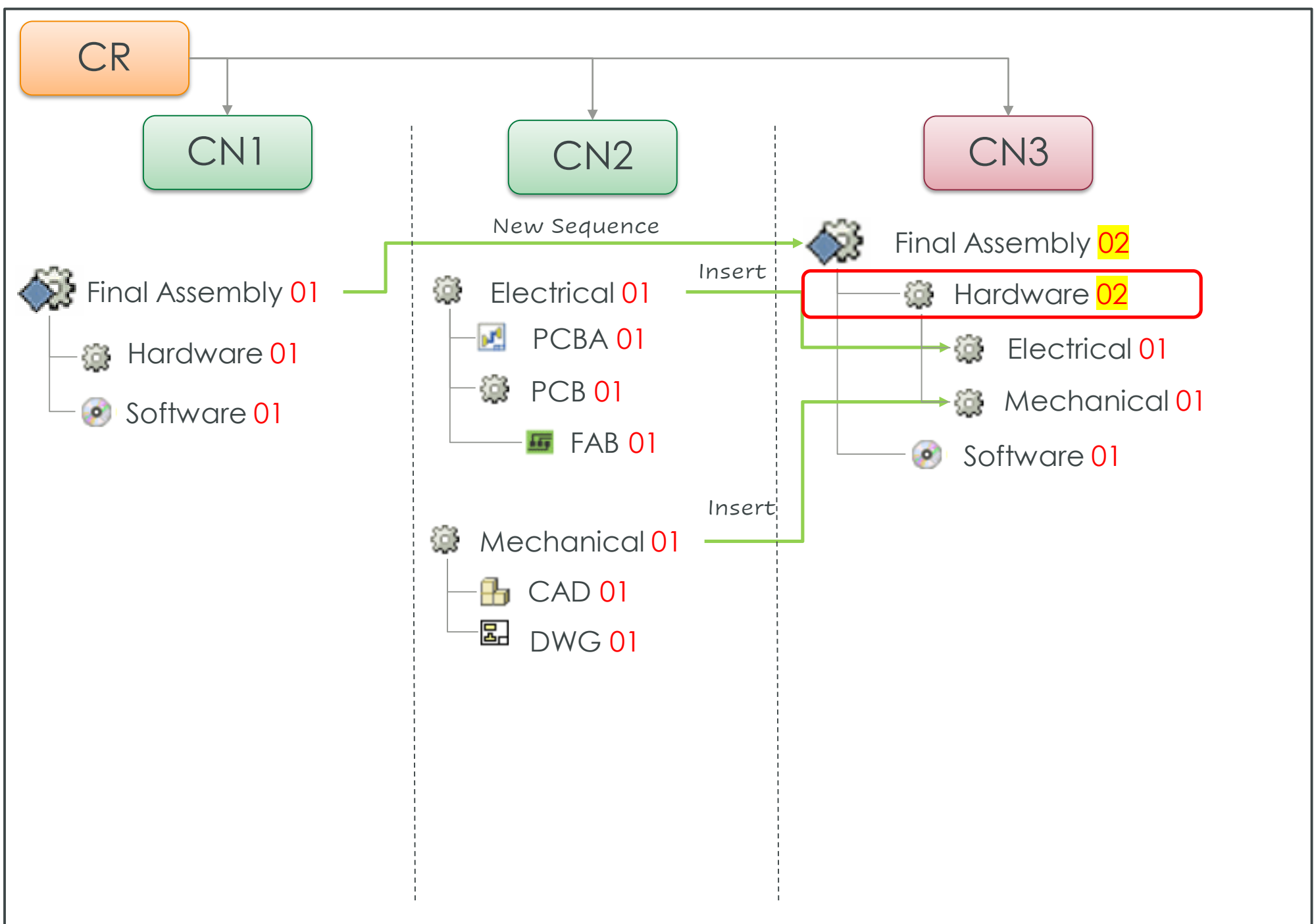


- Engineering Final ASM (eBOM)
Final Assembly 02
- Manufacturing Final ASM (mBOM)
Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
Packaging 02 Holly

BOM Management

**Change/
Update
Hardware
02**

**Insert ECAD
Insert MCAD
Associate DWG**



BOM Management

Step4: Change/ Update Hardware 02

- Click Actions drop Down Menu
- Select Check – Out option

The screenshot displays the Windchill BOM Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar and 'Quick Links' are on the right. The breadcrumb path is 'Products > TRAINING > CN1'. The main title is 'Mechanical Component - RO000010702, Hardware_YNI_Changed, 01.1 (Engineering)'. The status is 'Draft'. A navigation bar includes 'Changes', 'History', 'Where Used', 'Traceability', and 'AML/AVL'. An 'Actions' dropdown menu is open, with 'Check Out' highlighted. Below the menu is a 3D model of a mechanical component. The 'Visualization and Attributes' section shows: Name: Hardware_YNI_Changed, Status: Checked in, Modified By: Roberto Temur, Last Modified: 2020-05-21 13:46 EDT. The 'General' section shows: Assembly Mode: Separable, End Item: No, Source: Make, Default Unit: PC, Gathering Part: No, Default Trace Code: Untraced, Phantom Manufacturing Part: No. The 'Type Attributes' section shows: CN Number: CN0000037, Component Classification: No, Sync to Nexus: No, Weight: (blank). The 'System' section is partially visible at the bottom.

windchill® rtemur

Change Request Search ... Quick Links

Products > TRAINING > CN1 Recently Accessed

Mechanical Component - RO000010702, Hardware_YNI_Changed, 01.1 (Engineering) Draft

Check In Check Out Check Out and Edit Undo Checkout Edit Edit Common Attributes

Visualization and Attributes

Name: Hardware_YNI_Changed
Status: Checked in
Modified By: Roberto Temur
Last Modified: 2020-05-21 13:46 EDT

General

Assembly Mode: Separable End Item: No
Source: Make Default Unit: PC
Gathering Part: No Default Trace Code: Untraced
Phantom Manufacturing Part: No

Type Attributes

CN Number: CN0000037
Component Classification: No
Sync to Nexus: No
Weight:

System

BOM Management

Step4: Change/ Update Hardware 02

- Select Structure TAB
- Click Insert Existing Button
- Type your Electrical_YNI_PC B.Asm name or number in search
- Click Search
- Select your Electrical_YNI_PC B.Asm
- Click OK

Windchill interface showing the 'Insert Existing' dialog box. The 'Structure' tab is selected, and the 'Insert Existing' button is highlighted. The dialog box shows search criteria: 'Search On: All Applicable Types', 'Number: 000010301', and 'Name:'. A search result is displayed in a table:

Number	Name	End Item
RO000010301	Electrical_YNI_PCB.Asm	No

The 'Search' button is highlighted, and the 'OK' button is highlighted at the bottom right.

BOM Management

Step4: Change/ Update Hardware 02

- Click Insert Existing button
- Search for your Electrical_YNI_Variant_PCB.Asm
- Click Search
- Select your Electrical_YNI_Variant_PCB.Asm
- Click OK

Windchill interface showing the 'Insert Existing' dialog box. The dialog box is used to search for existing components to insert into the current structure. The search criteria are:

- Search On: All Applicable Types
- Number: (empty)
- Name: Electrical_YNI_Variant
- End Item: (empty)
- Default Trace Code: (empty)

The search results table is as follows:

Number	Name	End Item
RO000008301	Electrical_YNI_Variant_PCB.Asm	No
RO000010501	Electrical_YNI_Variant_PCB.Asm	No

The 'Search' button and the highlighted row in the table are marked with red boxes. The 'OK' button at the bottom right of the dialog is also marked with a red box.

BOM Management

Step4: Change/ Update Hardware 02

- Click Insert Existing button
- Search for your Mechanical_YNI_CoverAsm
- Click Search
- Select your Mechanical_YNI_CoverAsm
- Click OK

Windchill interface showing the 'Insert Existing' dialog box. The dialog box is open, and the 'Search On' dropdown is set to 'All Applicable Types'. The 'Number' and 'Name' fields are highlighted. The 'Search' button is highlighted. The table below shows the search results:

Number	Name	End Item
RO000011201	Mechanical_YNI_CoverAsm	No

The 'OK' button is highlighted at the bottom right of the dialog box.

BOM Management

Step4: Change/ Update Hardware 02

- Click Actions drop Down Menu
- Select Check -In option
- Enter comments
- Click OK

The screenshot displays the Windchill software interface. At the top, the user is logged in as 'rtemur'. The breadcrumb path is 'Products > TRAINING > CN1'. The main title bar shows 'Mechanical Component - RO000010702, Hardware_YNI_Changed, 01.1 (Engineering)' with a 'Draft' status. A red box highlights the 'Actions' dropdown menu, which is open, showing options like 'Open in', 'Check In', 'Check Out', 'Check Out and Edit', 'Undo Checkout', and 'Edit'. The 'Check In' option is selected and highlighted with a red box. Below the menu, a tree view shows the component hierarchy: 'RO000010702, Hardware_YNI_C' expanded to show sub-components 'RO000010301, Electrical_YN', 'RO000010501, Electrical_YN', and 'RO000011201, Mechanical_Y'. A dialog box titled 'Checking In Mechanical Component - RO000010702, Hardware_YNI_Changed, 01.1 (Eng)' is open. It has a 'Comments:' field with the text 'Hardware Update with the latest ECAD and MCAD' highlighted by a red box. Below the comments field are two checkboxes: 'Keep checked out after checkin' and 'Publish to CAD after checkin'. At the bottom right of the dialog, the 'OK' button is highlighted with a red box, and the 'Cancel' button is also visible. The status bar at the bottom left indicates '(4 objects)'.

BOM Management

Step4: Change/ Update Hardware 02

Expand and show
CAD Documents for
Electrical:

- Select Electrical components
- Click Show Button
- Select CAD Docs
View PCBA
View FAB
- Scroll down to the
Mechanical
Component:

The screenshot displays the Windchill BOM Management interface. The top navigation bar includes the Windchill logo, the user name 'itemur', and a 'Change Request' dropdown menu. The main header shows the current path: 'Products > TRAINING > CN1'. The title of the component is 'Mechanical Component - RO00010702, Hardware_YNI_Changed, 01.2 (Engineering)'. The interface is divided into several tabs: 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', and 'AML/AVL'. The 'Structure' tab is active, showing a tree view of components. The 'Show' button in the 'Viewing' section is highlighted with a red box, and its dropdown menu is open, with 'CAD Documents' selected and also highlighted with a red box. The 'CAD Documents' dropdown menu includes options: 'Show All', 'Documents', 'CAD Documents', 'Replacement Parts', 'AML/AVL', and 'Manage Related Information'. The main structure view shows a list of components, with 'RO00010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)' selected. The right-hand pane displays the details for the selected component, including Name, Version, State, Status, Modified By, Last Modified, Weight, Sync to Nexus, and Usage Attributes.

Windchill® itemur Change Request Search ... Quick Links

Products > TRAINING > CN1 Recently Accessed

Actions Mechanical Component - RO00010702, Hardware_YNI_Changed, 01.2 (Engineering) Draft

Details Structure Related Objects Changes History Where Used Traceability AML/AVL

Editing Check Out/In Clipboard Viewing New/Add To

Insert Existing Remove Check Out Revise Show Views Add to

Insert New Edit Check In My Checkouts Paste Copy

Find in Structure All Advanced

Identity

- RO00010702, Hardware_YNI_Changed, 01.2 (Engineering)
 - RO00010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - YNI_PCBA, A.1
 - RO00010401, Electrical_YNI_PCB, 01.1 (Engineering)
 - YNI_FAB, A.1
 - RO005011301, RES,0603,0 OHM,5%, 01.2 (Engineering)
 - RO005016701, RES,0603,100K,1%, 01.2 (Engineering)
 - RO005034501, RES,0805,4.7K,1%, 01.2 (Engineering)
 - RO005034901, RES,0603,5.11K,1%, 01.2 (Engineering)
 - RO005038801, RES,0603,4.7K,1%, 01.2 (Engineering)
 - RO005044101, RES,0402,0 OHM,5%, 01.2 (Engineering)
 - RO005044301, RES,0402,10K,5%, 01.2 (Engineering)
 - RO005050501, RES,0402,1K,1%, 01.2 (Engineering)
 - RO005053001, RES,0402,4.7K,5%, 01.2 (Engineering)
 - RO005080901, RES,0805,22K,1%, 01.2 (Engineering)
 - RO005086801, RES,0402,22 OHM,5%, 01.2 (Engineering)

(40 objects)

Classification Visualization Uses

Name: Electrical_YNI_PCB.Asm

Version: 01.1 (Engineering)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-18 17:27 EDT

Weight:

Sync to Nexus: No

Usage Attributes

Quantity: 1

Unit: each

Trace Code: Untraced

BOM Management

Step4: Change/ Update Hardware 02

- Select Mechanical Component
- Click Show Button
- Select CAD Docs

View Assembly
View Drawing

The screenshot shows the Windchill interface for a Mechanical Component. The breadcrumb path is Products > TRAINING > CN1. The component name is Mechanical Component - RO000010702, Hardware_YNI_Changed, 01.2 (Engineering). The interface includes a top navigation bar with 'Change Request', 'Search', and 'Quick Links'. Below the breadcrumb is a 'Recently Accessed' dropdown. The main content area has tabs for 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', and 'AML/AVL'. The 'Structure' tab is active, showing a tree view of components. The component 'RO000011201, Mechanical_YNI_CoverAsm, 01.1 (Engineering)' is selected and highlighted with a red box. A 'Show' dropdown menu is open, with 'CAD Documents' selected and highlighted with a red box. Other options in the menu include 'Show All', 'Documents', 'Replacement Parts', 'AML/AVL', and 'Manage Related Information'. The right sidebar shows the 'Classification', 'Visualization', and 'Uses' tabs, with 'Classification' selected. The 'Uses' section shows the component 'RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)' with details: Name, Version (01.1), State (Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled), Status (Checked in), Modified By (Roberto Temur), Last Modified (2020-05-18 17:27 EDT), Weight, Sync to Nexus (No), and Usage Attributes (Quantity: 1, Unit: each, Trace Code: Untraced).

BOM Management

Step4: Change/ Update Hardware 02

- Note the structure of Changed Hardware (02)
- If the Hardware needs Assembly Customer DRW this can be associated
- Select Related Objects TAB

The screenshot displays the Windchill BOM Management interface. At the top, the Windchill logo and user 'rtmur' are visible. A red box highlights the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The breadcrumb path is 'Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical'. The main title is 'Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)'. The 'Related Objects' tab is selected and highlighted with a red box. Below the tabs are toolbars for 'Editing', 'Check Out/In', 'Clipboard', 'Viewing', and 'New/Add To'. A 'Find in Structure' search bar is present. The 'Identity' table lists 12 objects, with the first one selected. The 'Attributes' panel on the right shows 'Part Attributes' for the selected object.

Windchill® rtmur

PRODUCTION Windchill rehost dated 1-June-2020

Search ... Quick Links

Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical Recently Accessed

Actions Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering) Draft

Details Structure **Related Objects** Changes History Where Used Traceability AML/AVL Upstream/Downstream

Editing: Insert Existing, Remove, Insert New, Edit
Check Out/In: Check Out, Revise, Check In, My Checkouts
Clipboard: Paste, Copy
Viewing: Show, Views, Hide, Display
New/Add To: New, Add to

Find in Structure All Advanced

Identity
RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)
RO000068501, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
YNI_PCBA, A.1
RO000068601, Electrical_YNI_PCB, 01.1 (Engineering)
RO000068701, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
YNI_Variant_PCBA, A.1
RO000068601, Electrical_YNI_PCB, 01.1 (Engineering)
RO000068801, Mechanical_YNI_TRN COVER ASM, 01.1 (Engineering)
Mechanical_YNI_TRN COVER ASM.CATProduct, -.1
Mechanical_YNI_TRN COVER DWG.CATDrawing, -.1
RO000068901, Mechanical_YNI_TRN COVER PART, 01.1 (Engineering)
RO000069001, Mechanical_YNI_TRN GASKET PART, 01.1 (Engineering)

(12 objects)

Attributes Classification Visualization Uses

Part Attributes

Number: RO000067502
Name: Hardware_YNI_Changed
Version: 01.2 (Engineering)
State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
Status: Checked in
Modified By: Roberto Temur
Last Modified: 2020-06-09 11:50 EDT
Weight:
CN Number: CN0000245
Sync to Nexus: No
Component Classification:

BOM Management

Step4: Change/ Update Hardware 02

- Click CAD/Dynamic Documents link
- Click Edit Associations icon

The screenshot shows the Windchill interface for a Mechanical Component. The breadcrumb trail is: Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical. The component name is "Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)". The "CAD/Dynamic Documents" link is highlighted with a red box. Below it, the "Edit Associations" icon (a pencil) is also highlighted with a red box. The interface includes a search bar, a "Quick Links" dropdown, and a "Recently Accessed" dropdown. The "CAD/Dynamic Documents" section has a table with columns: Number, File Name, Version, Name, Context, Association, and Status. The "Alternates" section has a table with columns: Number, Replacement Type, Name, Context, and Two-Way. The "Substitutes" section is currently empty.

windchill® rtemur PRODUCTION Windchill rehost dated 1-June-2020 Search ... Quick Links

Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical Recently Accessed

Actions Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering) Draft

Details Structure Related Objects Changes History Where Used Traceability AML/AVL Upstream/Downstream

Described By Documents | Reference Documents | CAD/Dynamic Documents | Alternates | Substitutes | Process Plans | Distribution Targets

CAD/Dynamic Documents Default (0 objects)

Edit Associations Search in table

Number	File Name	Version ↑	Name ↑	Context	Association	Sta
--------	-----------	-----------	--------	---------	-------------	-----

Alternates Default (0 objects)

Add Remove Edit Search in table

Number ↑	Replacement Type	Name	Context	Two-Way
----------	------------------	------	---------	---------

(0 objects selected)

Substitutes Default (0 objects)

Search | Browse Navigator

BOM Management

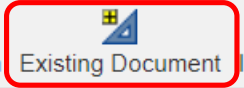
Step4: Change/ Update Hardware 02

- Select the Part
- Click Existing Documents icon
- Type in File Name:
AsmCust_DWG_YNI*
CATDrawing
- Click Search
- Select your YNI
DWG
- Click OK

Commonspace Edit Associations

Object List

(1 objects)

<input checked="" type="checkbox"/>		Number ↑	Association Type	Name	Object Type	Revision	View
<input checked="" type="checkbox"/>		RO000067502		Hardware_YNI_Chan...	Mechanical Co...	01	Engineer

Find Object

Keyword :

Type:



Number:

Name:

File Name:

Search Results

(2 objects)

<input type="checkbox"/>		Number	Version	State	Name	File Name
<input type="checkbox"/>		000067901	-1	Draft	AsmCust_DWG_YNI_DashCam	AsmCust_DWG_YNI_DashCam.CATDrawing
<input type="checkbox"/>		000069501	-1	Draft	AsmCust_DWG_YNI_DashCam	AsmCust_DWG_YNI.CATDrawing

BOM Management

Step4: Change/ Update Hardware 02

- Select Contributing Content as Association Type

- Click Ok

Commonspace Edit Associations

Object List

(5 objects)

<input type="checkbox"/>		Number ↑	Association Type	Name	Object Type
<input checked="" type="checkbox"/>		RO000067502		Hardware_YNI_Changed	Mechanical Co...
<input type="checkbox"/>		000069501	Contributing Content	AsmCust_DWG_YNI_DashCam	MCADDocument
<input type="checkbox"/>		RO000070801		AsmCust_DWG_YNI_DashCam	Mechanical Co...
<input type="checkbox"/>		000069501	Contributing Content	AsmCust_DWG_YNI_DashCam	MCADDocument
<input type="checkbox"/>		000069601	Owner	AsmCust_DWG_YNI_DashCam	MCADDocument

(1 objects selected)

OK

Cancel

BOM Management

Step4: Change/ Update Hardware 02

- Note Hardware_YNI_C hanged had a CAD DWG associated now

- Select Structure TAB

The screenshot shows the Windchill interface for a mechanical component. The breadcrumb trail is: Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical. The component title is "Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)". The "CAD/Dynamic Documents" tab is selected and highlighted with a red box. Below this, a table lists the associated documents:

Number	File Name	Version	Name	Context	Association
000069501	AsmCust_DWG_YNI...	-1	AsmCust_DWG_YNI_DashCam	TRAINING	Contributing Content

The "Number" and "File Name" columns of this row are also highlighted with a red box. Other tabs like "Alternates" and "Substitutes" are shown to have 0 objects. The left sidebar contains "Search | Browse" and "Navigator" sections.

BOM Management

Step4: Change/ Update Hardware 02

- Select Hardware_YNI_C hanged
- Click Show/CAD Documents
- Click Check In
- Enter Comments
- Click OK
- Write down number for Hardware_YNI_C hanged

The screenshot displays the Windchill software interface for a mechanical component. The top navigation bar shows the user 'rtemur' and a notification: 'PRODUCTION Windchill rehost dated 1-June-2020'. The breadcrumb trail is 'Products > Test_MEProduct > 2 - Parts and Sub-Assemblies > Mechanical'. The main title is 'Mechanical Component - RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)'. The interface includes a 'Search | Browse' sidebar and a 'Navigator' sidebar. The main content area has tabs for 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', 'AML/AVL', and 'Upstream/Downstream'. Below these are toolbars for 'Editing', 'Check Out/In', 'Clipboard', 'Viewing', and 'New/Add To'. The 'Check In' button in the 'Check Out/In' toolbar is highlighted with a red box. The 'Viewing' toolbar has a 'Show' button also highlighted with a red box. The 'Structure' tree on the left shows a list of objects, with 'RO000067502, Hardware_YNI_Changed, 01.2 (Engineering)' selected and highlighted with a red box. A 'Check In' dialog box is open in the foreground, showing the component name and a 'Comments:' field with a text area. The 'Comments' field is highlighted with a red box. At the bottom of the dialog, the 'OK' button is highlighted with a red box. The dialog also includes checkboxes for 'Keep checked out after checkin' and 'Publish to CAD after check in'.

BOM Management

CR

CN3

BOM Management Session

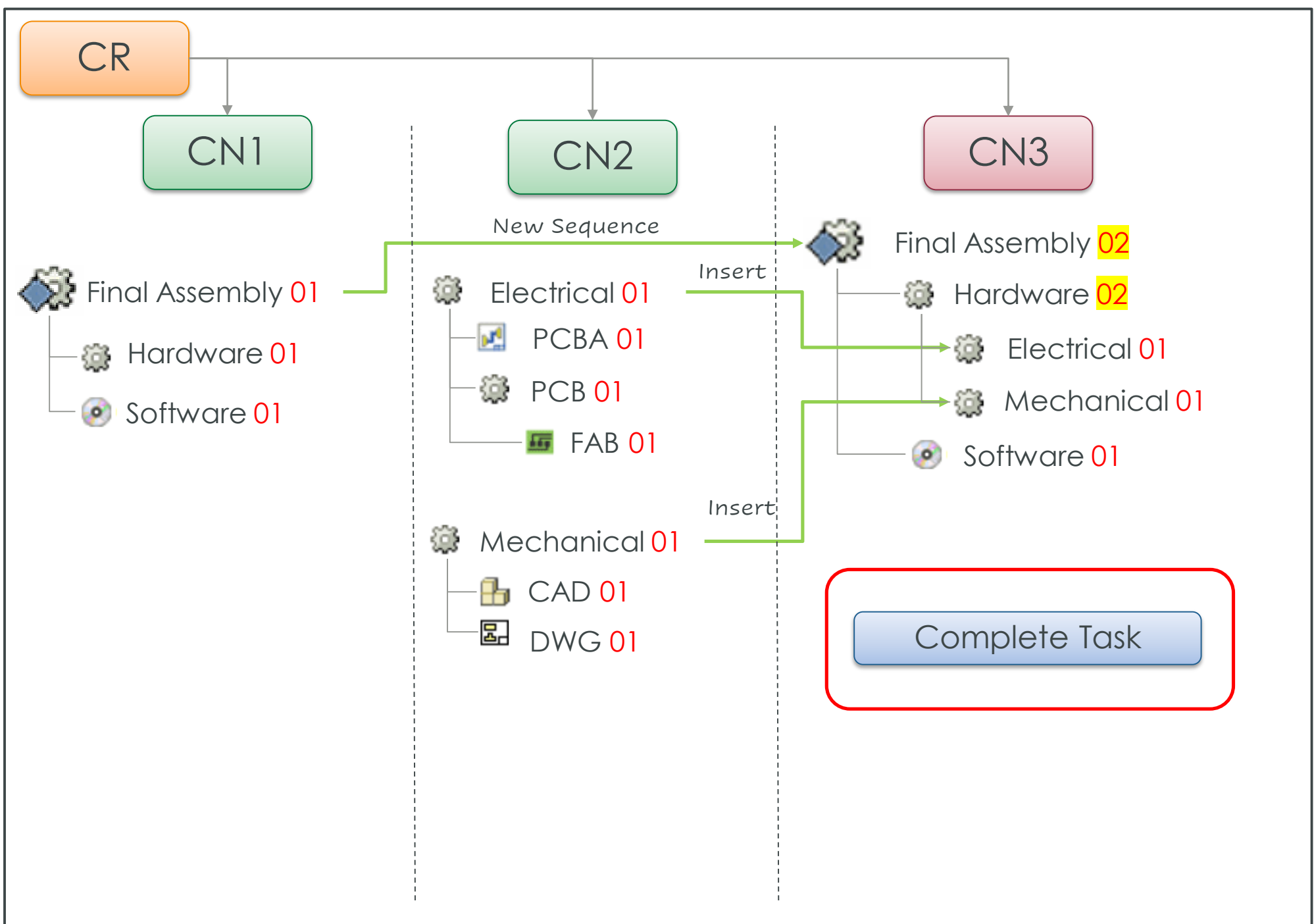
Complete Change Notice Task eBOM



- Engineering Final ASM (eBOM)
Final Assembly 02
- Manufacturing Final ASM (mBOM)
Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
Packaging 02 Holly

BOM Management

Complete eBOM Task



BOM Management

Step 5: Complete Change Notice Task - eBOM

- Click Home Icon
- Identify the task with subject: Engineering Final Assembly (eBOM)
- Click Complete Change Notice Task link for identified task to open
- Click Details TAB if needed

The screenshot displays a software interface for task management. At the top, there are navigation tabs: 'Tasks', 'Updates', and 'Checked-Out Work'. Below these, a 'My Tasks' section shows a list of tasks. The third task, 'Complete Change Notice Task' with subject 'Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)', is highlighted in orange and has a red box around it. Below the list, the 'Details' tab is selected, showing task information such as 'Subject', 'Instructions', 'Assignee', 'Role', 'Deadline', 'Priority', 'Status', and 'Process'. The 'Subject Attributes' section is also visible, showing 'Change Notice', 'Change Notice Name', 'Name', 'Need Date', and 'Description'.

Tasks | Updates | Checked-Out Work

My Tasks Open (3 objects)

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070,Manufacturing SubAssy/Packaging	Assignee
Complete Change Notice Task	Magna Change Task - CT0000069,Manufacturing Final Assembly (mBOM)	Assignee
Complete Change Notice Task	Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)	Assignee

Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Attributes

Subject: Magna Change Task - CT0000071,Engineering Final Assembly (eBOM)

Instructions: You have been assigned a task for the change notice.
1. Review the object displayed.
2. Complete the work required.
3. Enter comments in the Comments text field below.
4. Click Complete Task to advance the change activity.

Assignee: Roberto Temur
Role: Assignee
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change Activity Workflow_CT0000071-Engineering Final Assembly (eBOM)

Subject Attributes

Change Notice: Change Notice - CN0000038
Change Notice Name: CN3_YNI
Name: Engineering Final Assembly (eBOM)
Need Date:
Description: Update and release affected Engineering Final Assembly (eBOM). Confirm BOM structure for Engineering Final Assembly (eBOM) is correctly configured.

Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released.
If applicable, update all related ProjectLink Activities and deliverables.

BOM Management

Step 5: Complete Change Notice Task - eBOM

- Scroll down the page
- Enter comments
- Click Complete Task

The screenshot displays the Windchill user interface for a task titled "Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task". The breadcrumb trail is "Products > TRAINING > Tasks". The page has a top navigation bar with "Change Request" and a search field. A left sidebar contains "Search | Browse" and "Navigator". The main content area has tabs for "Details" and "Resulting Objects", with "Resulting Objects" selected. Below this are tabs for "Attributes", "Subject Attributes", and "Task Completion". The "Subject Attributes" section is expanded, showing fields for "Change Notice" (Change Notice - CN0000038), "Change Notice Name" (CN3_YNI), "Name" (Engineering Final Assembly (eBOM)), "Need Date", and "Description". The description text is: "Update and release affected Engineering Final Assembly (eBOM). Confirm BOM structure for Engineering Final Assembly (eBOM) is correctly configured. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. If applicable, update all related ProjectLink Activities and deliverables." The "Task Completion" section is also expanded, showing a "Comments" field with the text "eBOM was updated with ECAD and MCAD". At the bottom right, there are "Save" and "Complete Task" buttons, with "Complete Task" highlighted by a red box.

windchill® rtemur

Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Actions Task - Magna Change Activity Workflow_CT0000071-Complete Change Notice Task Implementation ?

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Subject Attributes

Change Notice: Change Notice - CN0000038

Change Notice Name: CN3_YNI

Name: Engineering Final Assembly (eBOM)

Need Date:

Description: Update and release affected Engineering Final Assembly (eBOM). Confirm BOM structure for Engineering Final Assembly (eBOM) is correctly configured. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. If applicable, update all related ProjectLink Activities and deliverables.

Task Completion

Comments: eBOM was updated with ECAD and MCAD

Save Complete Task

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task mBOM

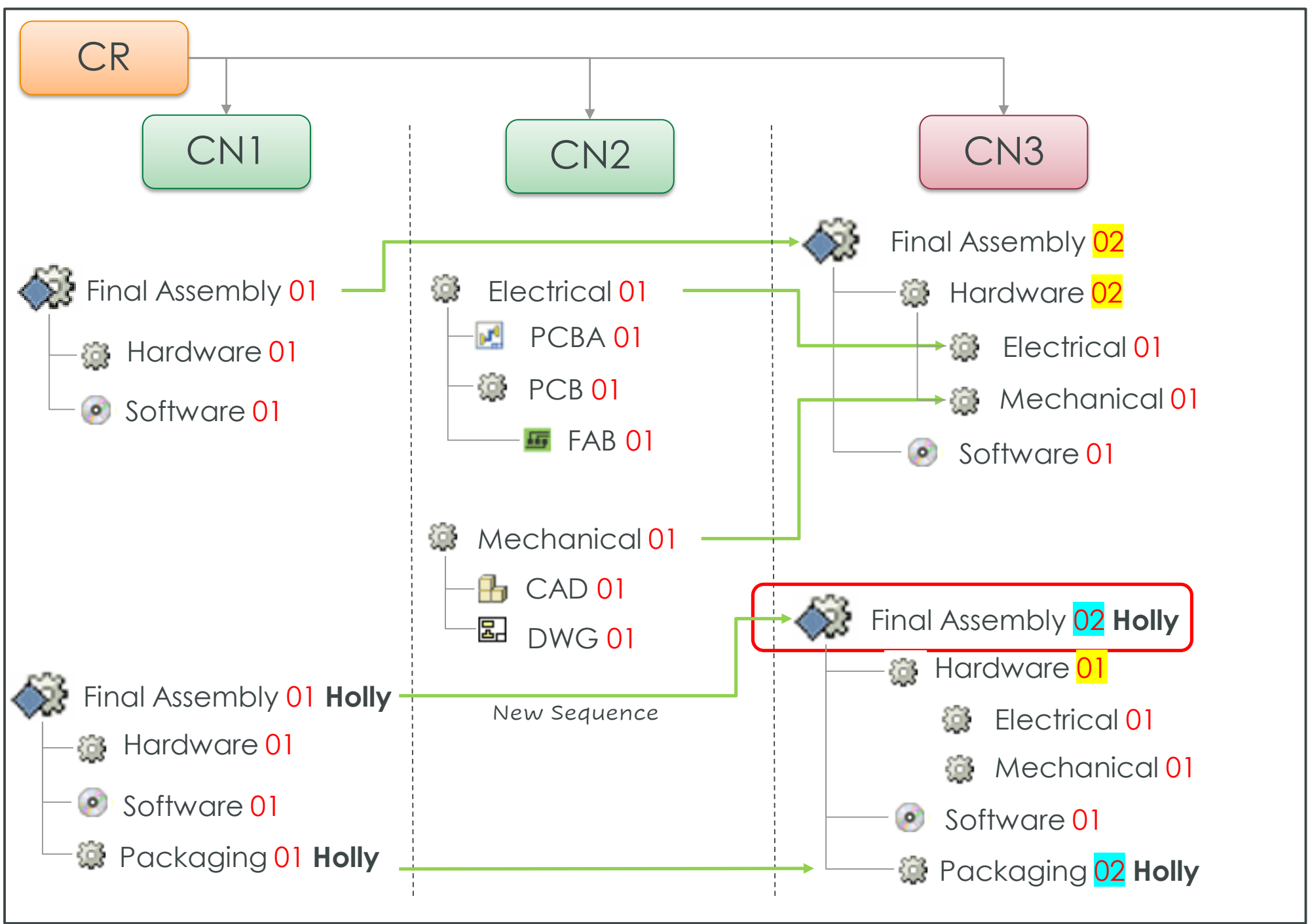


- ✓ Engineering Final ASM (eBOM)
 - Final Assembly 02
- Manufacturing Final ASM (mBOM)
 - Final Assembly 02 **Holly**
- Manufacturing SubAssy/ Packaging
 - Packaging 02 **Holly**

BOM Management

Update of existing FA mBOM

New Sequence



BOM Management

Step6: Update the existing FA_YNI mBOM

- Identify the task with subject: Manufacturing Final Assembly (mBOM)
- Click Complete Change Notice Task link for the identified task to open
- Read the Description
- Do NOT complete the task at this time

Tasks | Updates | Checked-Out Work

My Tasks Open (3 objects)

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Assignee
Complete Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Assignee
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer

windchill rtemur Change Request Search Quick Links

Products > TRAINING > Tasks

Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task Implementation

Attributes | Subject Attributes | Task Completion

Attributes

Subject: Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)

Instructions: You have been assigned a task for the change notice.
1. Review the object displayed.
2. Complete the work required.
3. Enter comments in the Comments text field below.
4. Click Complete Task to advance the change activity.

Assignee: Roberto Temur
Role: Assignee
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change Activity Workflow_CT0000069-Manufacturing Final Assembly (mBOM)

Subject Attributes

Change Notice: Change Notice - CN0000038
Change Notice Name: CN3_YNI
Name: Manufacturing Final Assembly (mBOM)
Need Date:
Description: Update and release affected Manufacturing Final Assembly (mBOM). Confirm BOM structure for Manufacturing Final Assembly (mBOM) is correctly configured. If additional Manufacturing Partial Assemblies and/or Manufacturing Packaging parts were created at the time of mBOM configuration, please add these items to the list of affected and resulting objects. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables.

BOM Management

Step 6: Update the existing FA_YNI mBOM

- Click on the Resulting Objects TAB
- Click Edit icon to edit the Change Task

The screenshot displays the Windchill BOM Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar and 'Quick Links' button are also present. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task' and includes an 'Implementation' link. The 'Resulting Objects' tab is highlighted in red. Below this, the 'Attributes' section is expanded, showing details for the 'Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)'. The 'Subject Attributes' section is also expanded, showing details for the 'Change Notice: CN3_YNI Manufacturing'. An inset window shows the 'Complete Resulting Objects' section, where the 'Edit' icon (a pencil) is highlighted in red. The interface includes a sidebar with 'Search | Browse' and 'Navigator' options.

Windchill rtemur Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Actions Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task Implementation ?

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Attributes

Subject: Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)

Instructions: You have been assigned a task for the change notice.
1. Review the object displayed.
2. Complete the work required.
3. Enter comments in the Comments text field below.
4. Click Complete Task to advance the change activity.

Assignee: Roberto Temur
Role: Assignee
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change Activity Workflow_CT0000069-Manufacturing Final Assembly (mBOM)

Subject Attributes

Change Notice: Change Notice
Change Notice Name: CN3_YNI
Name: Manufacturing
Need Date:
Description: Update and re-configure the mBOM to correctly configure the mBOM. Review and release. Provide all information if applicable, u

Products > TRAINING > Tasks

Actions Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All

Actions

Identity Name

BOM Management

Step 6: Update the existing FA_YNI mBOM

- Click Add Affected objects icon



Search for your Final Assembly:

- Type Final Assembly_YNI in Name field
- Click Search
- Select **Holly** View
- Click OK

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (0 objects)

Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation Sets
--	----------	---------	------	----------	-----------------	----------	-----------------

+ Add by Number Add by Name

(0 objects selected)

Resulting Objects All

Search in table

	Number ↑
--	----------

+ Add by Number

(0 objects selected)

Find Affected Objects

Type: All Applicable Object Types Add/Update

Context:

Number:

Name:

Revision: Select: Latest Specify:

Search Clear

Search Results (4 objects)

Search in table

	Number ↓	Name	Context	Version
<input checked="" type="checkbox"/>	GP000011001	FinalAssembly_YNI	TRAINING	01.1 (Holly)

OK Cancel

BOM Management

Step6: Update the existing FA_YNI mBOM

- Note FA_YNI mBOM (01) Holly was added to Affected Objects
- Select the FA_YNI mBOM in Affected Objects
- Click New Sequence Icon

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Search in table

<input type="checkbox"/>	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation
<input checked="" type="checkbox"/>	GP000011001	01.1 (Holly)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (1 objects selected)

Resulting Objects All (0 objects)

Search in table

<input type="checkbox"/>	Number	Version	Name	State	Release Target...	Comments
--------------------------	--------	---------	------	-------	-------------------	----------

+ Add by Number Add by Name (0 objects selected)

BOM Management

Step6: Update the existing FA_YNI mBOM

- Update the New name of the changing component as showh: append the word Changed
- Click OK

New Sequence


Current Settings: No dependents, Latest : Holly, Working

New Sequence

As a List

Default

(1 of 1 objects)

	Number	New Number	File N...	Ne...	Name ↓	New Name	Version
	GP000011001	(Generated)			FinalAssembly_YNI	FinalAssembly_YNI_Changed	01.1 (Holly)

(0 objects selected)

*Indicates required fields

OK

Cancel

BOM Management

Step 6: Update the existing FA_YNI mBOM

- Click Refresh Button from the Resulting Objects



Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

			Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation
<input type="checkbox"/>			GP000011001	01.1 (Holly)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name
(0 objects selected)

Resulting Objects All (0 objects)

			Number	Version	Name	State	Release Targe...	Comments
--	--	--	--------	---------	------	-------	------------------	----------

+ Add by Number Add by Name
(0 objects selected)

BOM Management

Step6: Update the existing FA_YNI mBOM

- Note the Resulting Objects Table is successfully Updated
- Note the version of new Final Assembly_YNI_Changed Part is 02
- Note the State is Draft

Refresh Resulting Objects
Table successfully updated.

Set Attributes Select Affected/Resulting Objects

Affected Objects All (1 objects)

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotat
<input type="checkbox"/>	GP000011001	01.1 (Holly)	FinalAssembly_YNI	Use Existing ▾	Use Existing ▾	Use Existing ▾	

+ Add by Number Add by Name (0 objects selected)

Resulting Objects All (1 objects)

	Number	Version	Name	State	Release Targe...	Comments
<input type="checkbox"/>	GP000011002	01.1 (Holly)	FinalAssembly_YNI_Changed	Draft	▾	

+ Add by Number Add by Name (0 objects selected)

Back Next Finish Cancel

BOM Management

Step6: Update the existing FA_YNI mBOM

- Set Release Target to Production for Final Assembly_YNI Changed mBOM
- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation
<input type="checkbox"/>	GP000011001	01.1 (Holly)	FinalAssembly_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (0 objects selected)

Resulting Objects All (1 objects)

	Number	Version	Name	State	Release Target...	Comments
<input type="checkbox"/>	GP000011002	01.1 (Holly)	FinalAssembly_YNI_Changed	Draft	Production ▼	

+ Add by Number Add by Name (0 objects selected)

Back Next **Finish** Cancel

BOM Management

Step6: Update the existing FA_YNI mBOM

- Note Resulting Objects added to the Change Task

Before to Complete the task you need to update the mBOM:

- Click View Information icon for FinalAssembly_YNI_Changed

windchill[®] rtemur Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task Implementation ?

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (1 objects)

Identity	Name	State	Comments
GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)	FinalAssembly_YNI_...	Draft	

(0 objects selected)

Search | Browse Navigator

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task mBOM

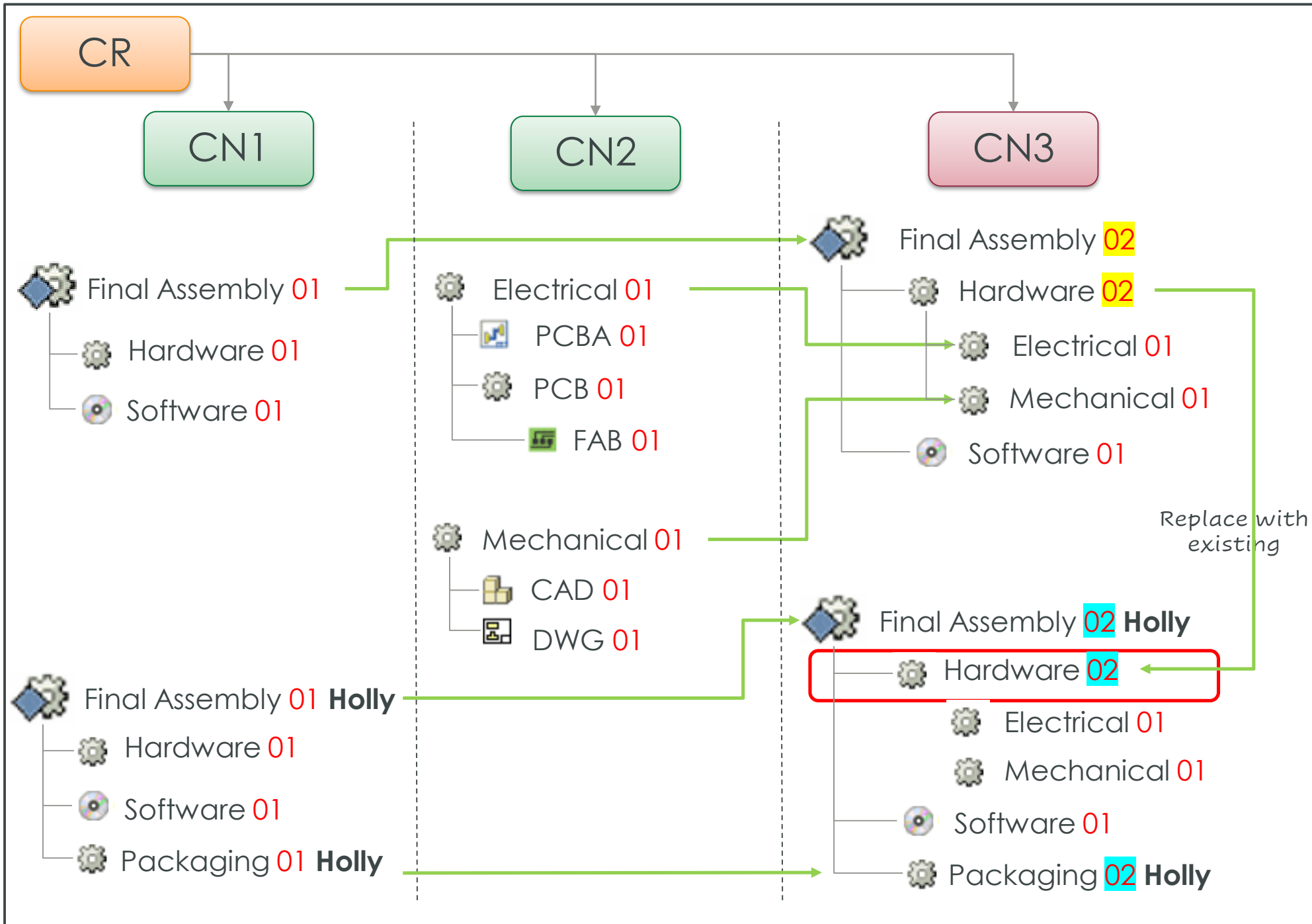


- ✓ Engineering Final ASM (eBOM)
 - Final Assembly 02
- Manufacturing Final ASM (mBOM)
 - Final Assembly 02 **Holly**
- Manufacturing SubAssy/ Packaging
 - Packaging 02 **Holly**

BOM Management

Replace Hardware 01 with 02 in mBOM

Replace with Existing



BOM Management

Step7: Replace Hardware 01 with 02 in FA_YNI mBOM

Replace updated Hardware from engineering with latest version 02:

- Click Structure TAB
- RMB on Hardware
- Select Replace Option
- Select Replace with Existing option

The screenshot shows the Windchill BOM Management interface. The top navigation bar includes the Windchill logo, the user name 'remur', and a 'Change Request' dropdown. The breadcrumb trail is 'Products > TRAINING > CN1'. The main title is 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)'. The 'Structure' tab is selected and highlighted with a red box. In the structure tree, the part 'RO000010701, Hardware_YNI, 01.1 (Engineering)' is selected and highlighted with a red box. A right-click context menu is open over this part, with the 'Replace' option selected and the 'Replace with Existing' sub-option highlighted with a red box. The 'Part Attributes' section on the right shows the part's details, including its number (RO000010701), status (Checked in), modified by (Roberto Temur), and last modified date (2020-05-21 12:16 EDT). The 'Usage Attributes' section shows a quantity of 1.

https://magna-dev1.ptcmscloud.com/Windchill/#

BOM Management

Step7: Replace Hardware 01 with 02 in FA_YNI mBOM

- Type the Hardware_YNI 02 number in Number field
- Click Search
- Select the Changed Hardware
- Click OK

The screenshot shows the Windchill interface for a Change Request. The main window displays the 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)' in a 'Draft' state. The 'Replace with Existing' dialog box is open, showing search criteria and results.

Search Criteria:

- Search On: All Applicable Types
- Number: 000010702
- Name: (empty)
- End Item: (empty)
- Default Trace Code: (empty)

Search Results Table:

Number	Name	End Item
RO000010702	Hardware_YNI_Changed	No

The 'Search' button and the selected row in the table are highlighted with red boxes. The 'OK' button at the bottom right of the dialog is also highlighted with a red box.

BOM Management

Step7: Replace Hardware 01 with 02 in FA_YNI mBOM

Validate the update:

- Expand Hardware_YNI
- Select Electrical, Electrical_Variant and Mechanical component
- Click Show
- Select CAD Documents option

Windchill rtemur

Change Request Search Quick Links

Products > TRAINING > CN1

Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly) Draft

Details Structure Related Objects Changes History Where Used Traceability AML/AVL

Editing: Insert Existing, Remove, Insert New, Edit

Check Out/In: Check Out, Revise, Check In, My Checkouts

Clipboard: Paste, Copy

Viewing: Show, Views

New/Add To: Add to

Find in Structure: All, Advanced

Identity

- GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)
- 0000000108, Software_YNI, A.1 (Engineering)
- RO000010702, Hardware_YNI_Changed_01.2 (Engineering)
 - RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
 - RO000011201, Mechanical_YNI_CoverAsm, 01.1 (Engineering)

Classification Visualization Uses

Name: Electrical_YNI_PCB.Asm

Version: 01.1 (Engineering)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-18 17:27 EDT

Weight:

Sync to Nexus: No

Usage Attributes

Quantity: 1

Unit: each

https://magna-dev1.ptcmscloud.com/Windchill/#

BOM Management

Step7: Replace Hardware 01 with 02 in FA_YNI mBOM

- Note the following components are at version 02:
Hardware
FinalAssembly
- Select FinalAssembly_YNI_Changed
- Click Check In button
- Enter Comments
- Click OK

The screenshot displays the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar and 'Change Request' dropdown are also present. The main navigation bar shows 'Products > TRAINING > CN1'. The current view is 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)'. The 'Check In' button in the 'Check Out/In' section is highlighted with a red box. The 'Check In' dialog box is open, showing the 'Checking In: GP000011002, FinalAssembly_YNI_Changed, 01.1 (Holly)' and a 'Comments:' field with the text 'Hardware 02 updated in mBOM 02'. The 'OK' button is also highlighted with a red box. The 'Check In' dialog box has a title bar with a question mark icon and a close button. The main interface has a 'Search | Browse' sidebar and a 'Navigator' sidebar. The 'Check In' dialog box has a title bar with a question mark icon and a close button. The 'Check In' dialog box has a title bar with a question mark icon and a close button. The 'Check In' dialog box has a title bar with a question mark icon and a close button.

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task mBOM

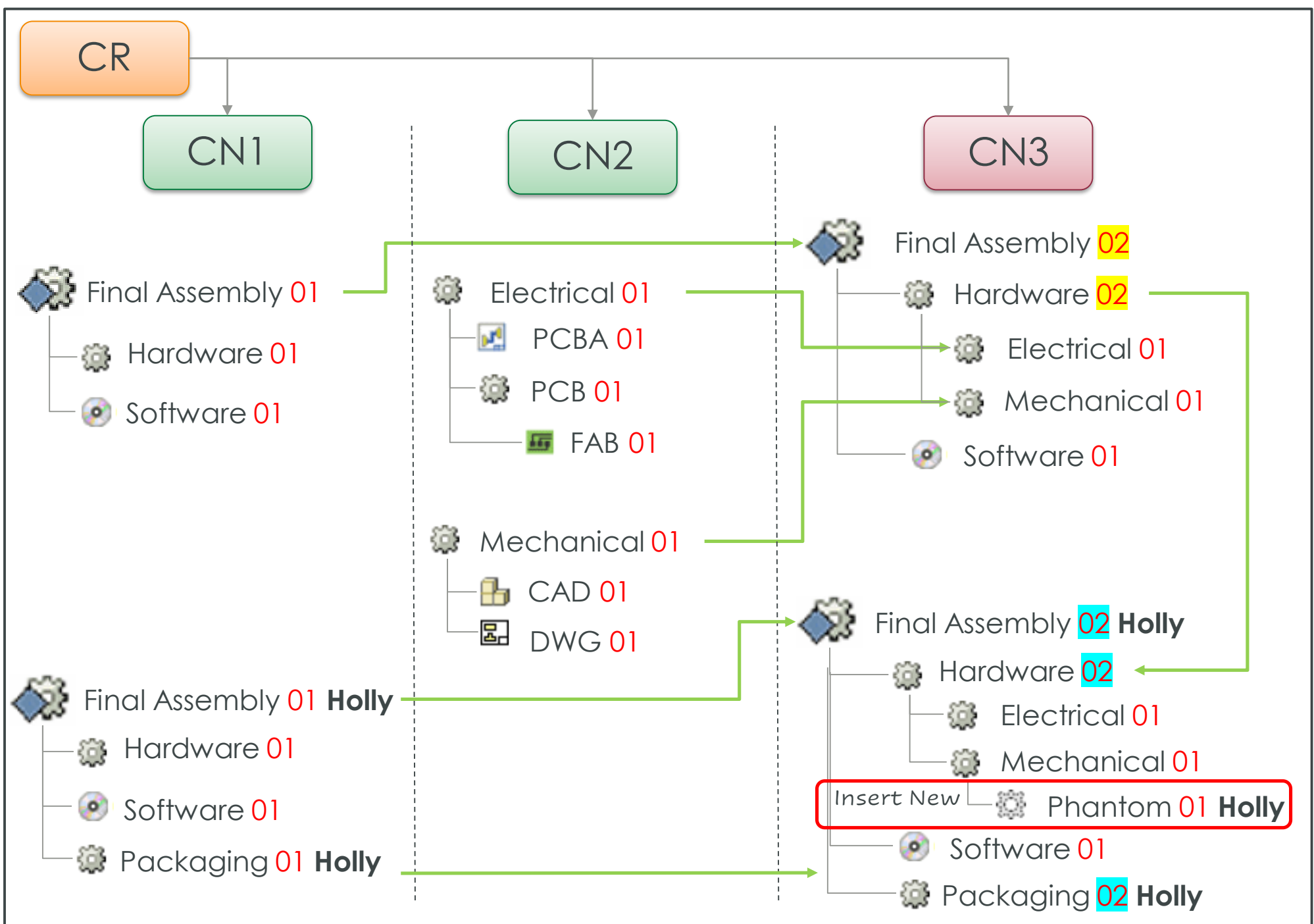


- ✓ Engineering Final ASM (eBOM)
 - Final Assembly 02
- Manufacturing Final ASM (mBOM)
 - Final Assembly 02 **Holly**
- Manufacturing SubAssy/ Packaging
 - Packaging 02 **Holly**

BOM Management

Create Phantom Assembly

Insert New



BOM Management

Step8: Creating Phantom Assembly

If needed create Manufacturing Assembly(Phantom) per Factory Specific:

- Select Mechanical Component
- Click Insert New
- Select Mechanical Part

The screenshot displays the Windchill software interface for BOM Management. The main window shows a product structure for 'Final Assembly - GP000011002, FinalA'. The 'Identity' list includes several components, with 'RO000011201, Mechanical_YNI_CoverAsm, 01.1 (Engineer)' highlighted in green and circled in red. The 'Insert New' button in the 'Editing' section is also circled in red. A 'New Part' dialog box is open, showing the 'Set Attributes' section. The 'Product' is set to 'Test_MEProduct'. The '* Type:' dropdown menu is open, and 'Mechanical Component' is selected and highlighted with a red box. The dialog box also includes checkboxes for 'Create CA' and 'Keep che', and buttons for 'Back', 'Next', 'Finish', and 'Cancel'. A note at the bottom left of the dialog states '* Indicates required fields.'


BOM Management

Step8: Creating Phantom Assembly

- Enter name as: ManufAsm_YNI
- Select view Holly
- Select Yes option for Phantom Manufacturing Part
- Click Finish button

New Part

1 Set Attributes

Product:	TRAINING
* Type:	Mechanical Component ▾
* Create as End Item:	No ▾
Part Attributes	
Number:	(Generated)
* Name:	ManufAsm_YNI
* Assembly Mode:	Separable ▾
* Source:	Make ▾
View:	Holly ▾
* Default Trace Code:	Untraced ▾
* Default Unit:	PC ▾
* Gathering Part:	No ▾
* Phantom Manufacturing Part:	Yes ▾
* Life Cycle Template:	(Generated)
Team Template:	(Generated)
* Location:	<input type="radio"/> Autoselect Folder (/TRAINING) <input checked="" type="radio"/> Select Folder /TRAINING/CN2_MCAD
Weight:	<input type="text"/> kg
* Sync to Nexus:	No ▾
Component Classification:	Node name 
<input type="checkbox"/> Create CAD Document <input type="checkbox"/> Keep checked out after checkin	

* Indicates required fields.

Back

Next

Finish

Cancel

BOM Management

Step8: Creating Phantom Assembly

- Note Phantom Assembly Created
- Select Mechanical_YNI component
- Click Check In
- Enter Comments
- Click OK
- Write down the number of changed mBOM

The screenshot displays the Windchill software interface. At the top, the Windchill logo and user name 'itemur' are visible. The main header shows the current product path: 'Products > TRAINING > CN1'. Below this, the title bar indicates the current assembly: 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)'. The interface includes a navigation bar with tabs for 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', and 'AML/AVL'. A toolbar contains various actions such as 'Insert Existing', 'Remove', 'Check Out', 'Revise', 'Check In', 'My Checkouts', 'Paste', 'Copy', 'Show', 'Views', 'Display', 'New', and 'Add to'. The 'Check In' button is highlighted with a red box. A 'Check In' dialog box is open, showing the component being checked in: 'RO000011201, Mechanical_YNI_CoverAsm, 01.1 (Engineering)'. The dialog has a 'Comments:' field, which is also highlighted with a red box. At the bottom right of the dialog, the 'OK' button is highlighted with a red box. The background shows a tree view of the assembly structure with the component 'RO000011401, ManufAsm_YNI, 01.1 (Holly)' highlighted in red.

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task mBOM

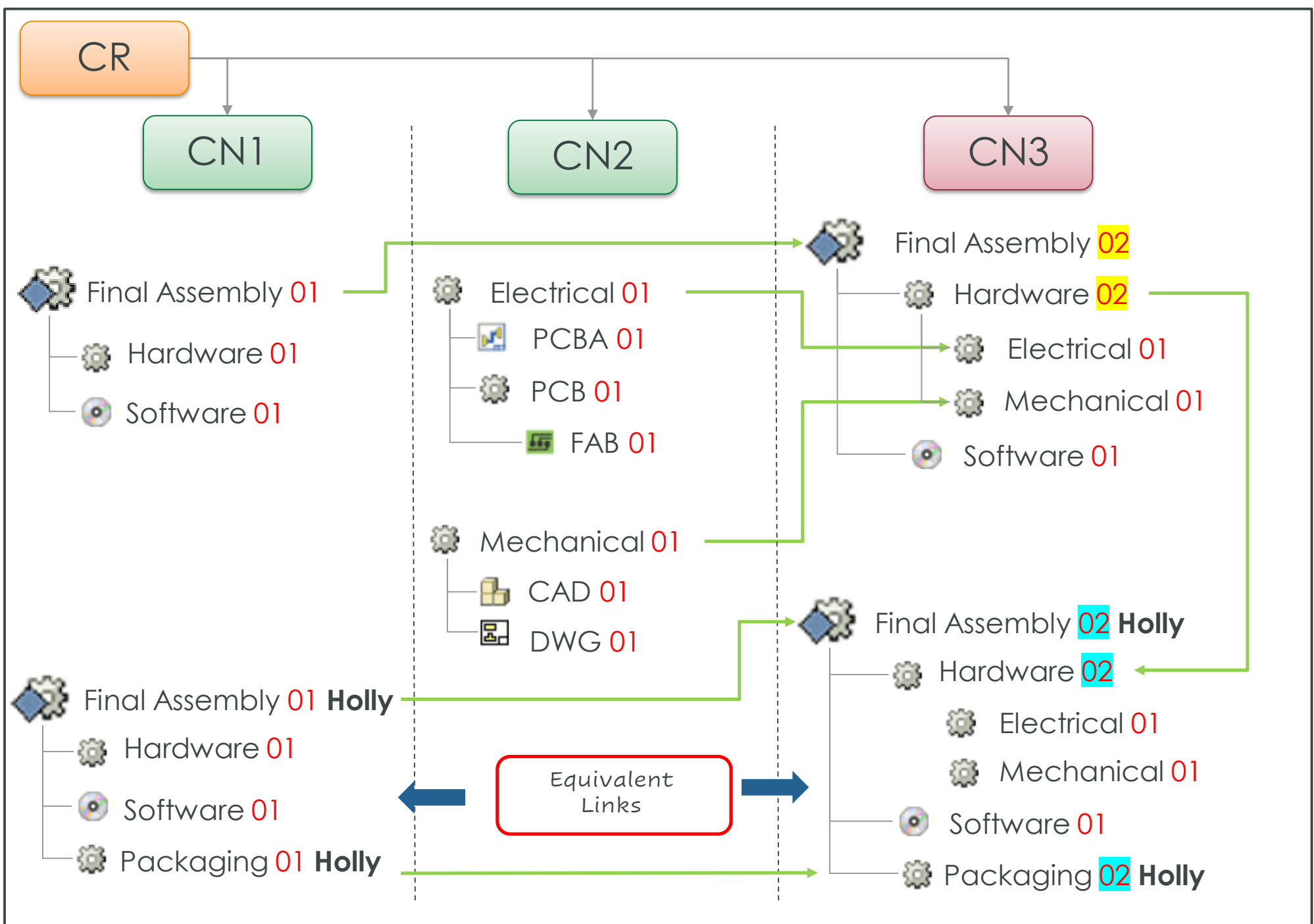


- ✓ Engineering Final ASM (eBOM)
 - Final Assembly 02
- Manufacturing Final ASM (mBOM)
 - Final Assembly 02 **Holly**
- Manufacturing SubAssy/ Packaging
 - Packaging 02 **Holly**

BOM Management

Create Equivalent links

MAPSB



BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Select FinalAssembly_YNI_Changed
- Click Actions drop down Menu
- Select Open In option
- Select Open in Manufacturing Associative Part Structure Browser

The screenshot displays the Windchill software interface for managing a Bill of Materials (BOM). The user is logged in as 'remur'. The current view is for a product 'TRAINING > CN1'. The main assembly is 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)'. The 'Actions' menu is open, and the 'Open in' option is selected, which has opened a sub-menu where 'Open in Manufacturing Associative Part Structure Browser' is highlighted. The left sidebar shows 'Search | Browse' and 'Navigator'. The main area displays a tree view of the BOM structure under 'Identity'. The right sidebar shows 'Attributes', 'Classification', 'Visualization', and 'Uses' tabs, with 'Part Attributes' expanded to show details like Number, Name, Version, State, Status, Modified By, Last Modified, Weight, CN Number, Customer Part Number, and mePartViewDriver.

Windchill remur Change Request Search ... Quick Links

Products > TRAINING > CN1 Recently Accessed

Actions Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly) Draft

Open in Open in Creo View Open in Manufacturing Associative Part Structure Browser

Insert Existing Remove Check Out Insert New Edit Check In My Checkouts Paste Copy Hide Display New Add to

Find in Structure All Advanced

Identity

- GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)
 - 0000000108, Software_YNI, A.1 (Engineering)
 - RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)
 - RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
 - RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)
 - 0000000056.CATProduct, A.1
 - RO000011401, ManufAsm_YNI, 01.1 (Holly)

(8 objects)

Attributes Classification Visualization Uses

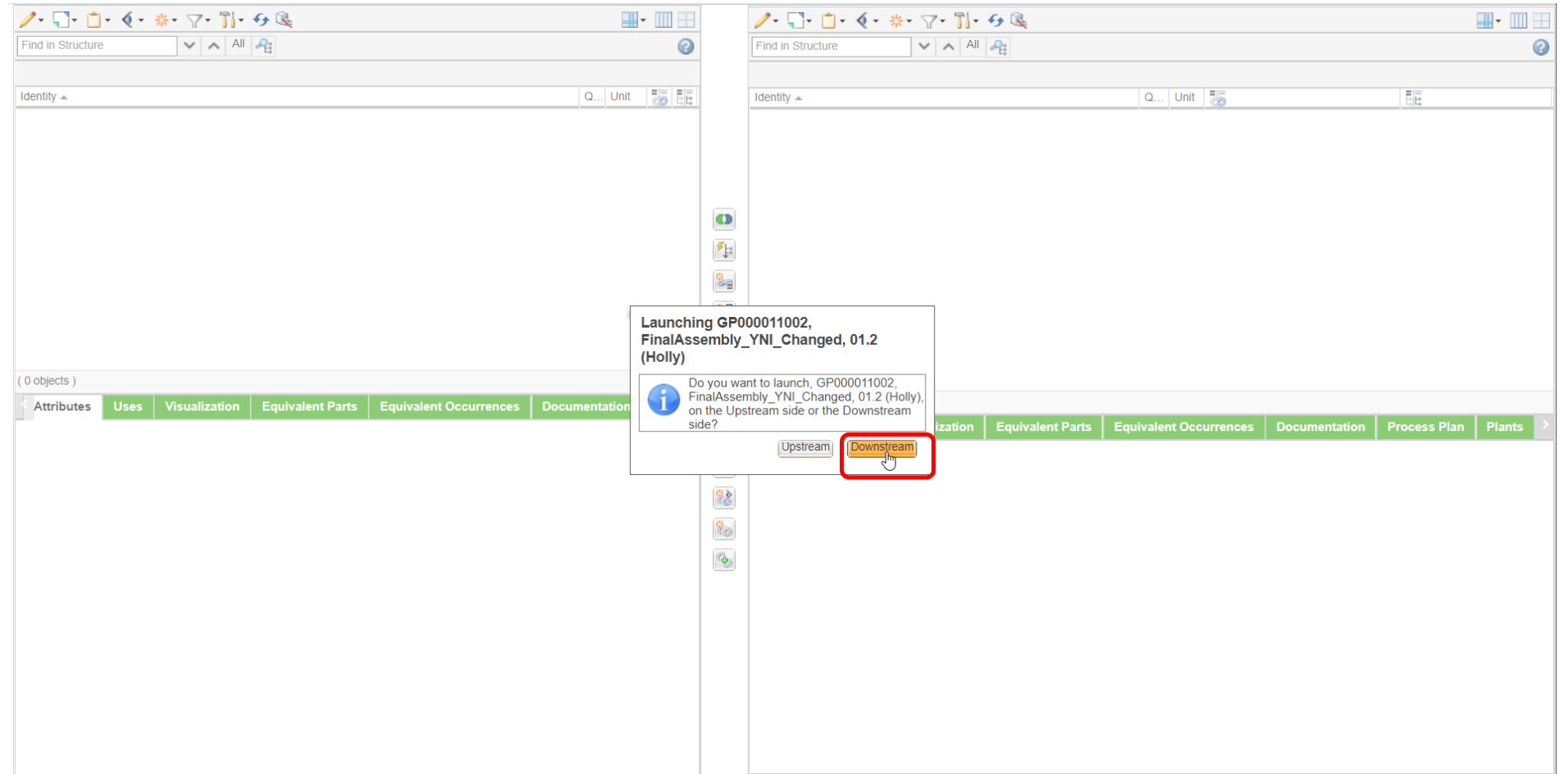
Part Attributes

Number: GP000011002
Name: FinalAssembly_YNI_Changed
Version: 01.2 (Holly)
State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
Status: Checked in
Modified By: Roberto Temur
Last Modified: 2020-05-21 14:40 EDT
Weight:
CN Number:
Customer Part Number:
mePartViewDriver:

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Select Downstream



BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Select option Edit Filter for Upstream
- Note the current filter is Engineering, Working
- Keep it as it is

Manufacturing Associative Part Structure Browser - Google Chrome

magna-dev1.ptcmscloud.com/Windchill/ptc1/mapsb/mapsb?oid=wt.part.WTPart:1972

Find in Structure

Current Filter

Edit Path Filter

Disable Path Filter

Edit Filter

Identity

Q... Unit

Edit Filter

Configuration Specification

Choose a Type: Latest

View: Engineering

BOM Type:

Alternate BOM:

Life Cycle State:

Include Work In Progress

Add >>

To Be Applied

Type	Details
1 Latest	Engineering, Working

Remove

Apply to top level object

Apply latest for unresolved dependents

Hide unresolved dependents

OK Cancel

*Indicates required field

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Click Tools menu
- Select Open Part as Upstream BOM option
- Type FinalAssembly_YNI_Changed in the name
- Click Search
- Select FA_YNI_Changed eBOM
- Click OK

Find in Structure

Open Part as Upstream BOM

- Select Equivalent Parts on Other Side
- Select Equivalent Occurrences on Other Side
- Select Parts With No Equivalent Occurrences
- Update All Downstream Equivalent Objects
- Update Distribution Targets
- Send To Distribution Target
- Send Material To Distribution Target

Identity

(0 objects)

Attributes

Open Part as Upstream BOM

Search On: All Applicable Types

Number: 000010902

Name: FinalAssembly_YNI_Changed

End Item:

Configurable:

Default Trace Code:

Search Clear

Number	Name	End Item	Default ...
GP000010902	FinalAssembly_YNI_Changed	Yes	Serial N...

https://magna-

Find in Structure

Current Filter: [Latest] Holly, Working

Identity

	Q...	Unit	
GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)			
0000000108, Software_YNI, A.1 (Engineering)	1	PC	
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)	1	each	
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	
RO000011401, ManufAsm_YNI, 01.1 (Holly)	1	PC	

(7 objects)

Attributes Uses Visualization Equivalent Parts Equivalent Occurrences

Part Attributes

Thumbnail:

Number: GP000011002

Name: FinalAssembly_YNI_Changed

Version: 01.2 (Holly)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-21 14:40 EDT

Weight:

CN Number:


Customer Part Number:

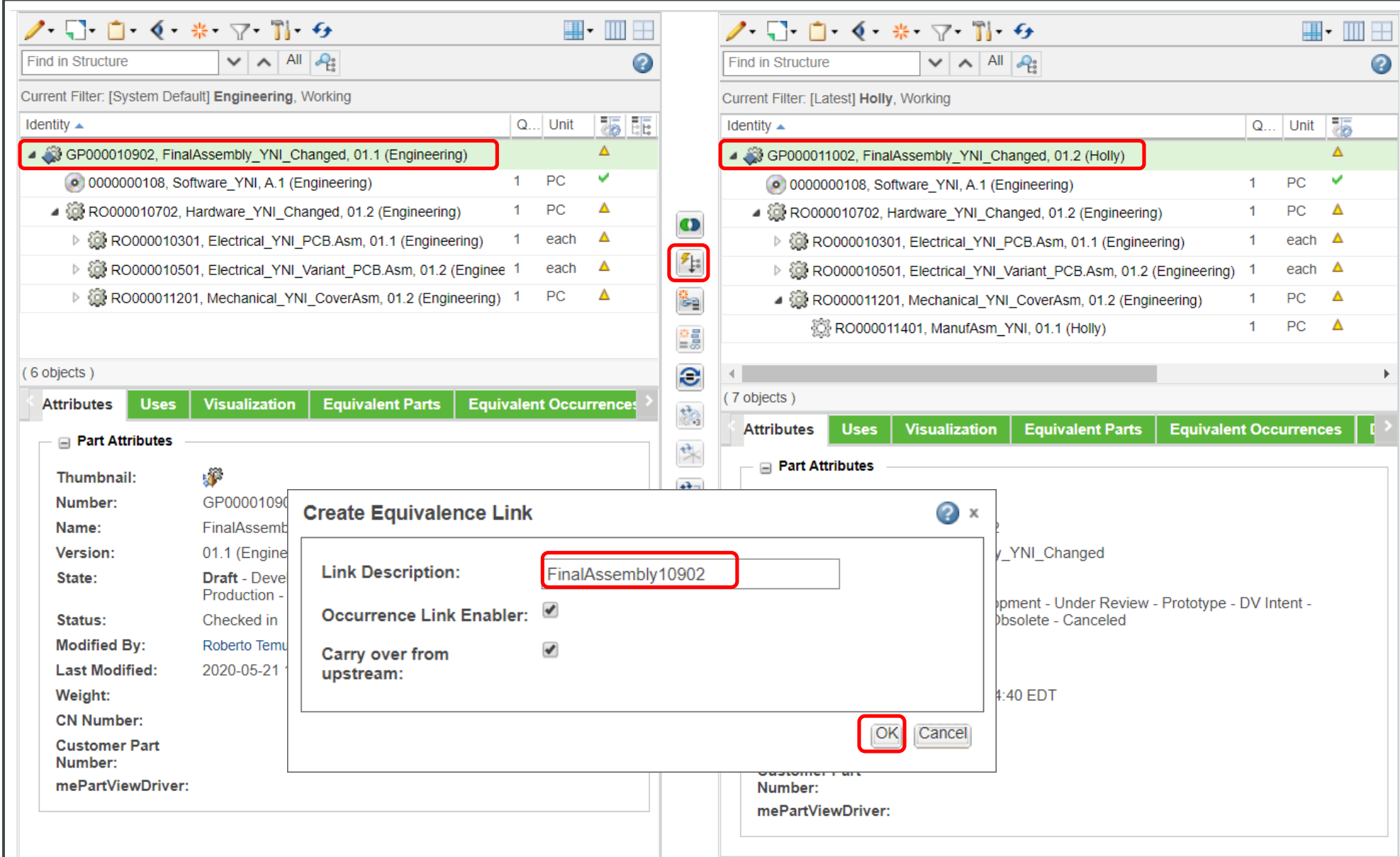
mePartViewDriver:

OK Cancel

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Select Final assembly upstream
- Select Final Assembly Downstream
- Click Create Equivalent Link icon 
- Enter Link Description
- Click OK



The screenshot displays two SAP BOM Management windows. The left window shows a BOM for 'GP000010902, FinalAssembly_YNI_Changed, 01.1 (Engineering)'. The right window shows a BOM for 'GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)'. A 'Create Equivalence Link' dialog box is open in the foreground, with the 'Link Description' field containing 'FinalAssembly10902' and the 'OK' button highlighted.

Identity	Q...	Unit	
GP000010902, FinalAssembly_YNI_Changed, 01.1 (Engineering)			
000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	▲
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	▲
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Enginee	1	each	▲
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	▲

Identity	Q...	Unit	
GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)			
000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	▲
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	▲
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)	1	each	▲
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	▲
RO000011401, ManufAsm_YNI, 01.1 (Holly)	1	PC	▲

Create Equivalence Link

Link Description: FinalAssembly10902

Occurrence Link Enabler:

Carry over from upstream:

OK Cancel

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Do the same for Hardware

Find in Structure

Current Filter: [System Default] **Engineering**, Working

Identity	Q...	Unit	
GP000010902, FinalAssembly_YNI_Changed, 01.1 (Engineering)			✓
0000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	▲
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	▲
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Enginee	1	each	▲
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	▲

(6 objects)

Attributes Uses Visualization Equivalent Parts Equivalent Occurrences

Part Attributes

Thumbnail:

Number: RO000010702

Name: Hardware_YNI_Changed

Version: 01.2 (Engineering)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Ca

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-21 14:05 EDT

Weight:

CN Number: CN0000037

Sync to Nexus: No

Component Classification:

Usage Attributes

Create Equivalence Link

Link Description: Hardware10702

Occurrence Link Enabler:

Carry over from upstream:

OK Cancel

Find in Structure

Current Filter: [Latest] **Holly**, Working

Identity	Q...	Unit	
GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)			✓
0000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	▲
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	▲
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)	1	each	▲
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	▲
RO000011401, ManufAsm_YNI, 01.1 (Holly)	1	PC	▲

(7 objects)

Attributes Uses Visualization Equivalent Parts Equivalent Occurrences

Part Attributes

Thumbnail:

Number: RO000010702

Name: Hardware_YNI_Changed

Version: 01.2 (Engineering)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Ca

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-21 14:05 EDT

Weight:

CN Number: CN0000037

Sync to Nexus: No

Component Classification:

Usage Attributes

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Repeat Equivalent Links Creation for all components as needed
- Select top level FinalAsseblly
- Click Check In option from Downstream (mBOM)
- Close MAPSB

Find in Structure: All

Current Filter: [System Default] Engineering, Working

Identity	Q...	Unit	
GP000010902, FinalAssembly_YNI_Changed, 01.1 (Engineering)			✓
0000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	✓
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	●
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Enginee	1	each	●
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	●

(6 objects)

Attributes Uses Visualization Equivalent Parts Equivalent Occurrences

Part Attributes

Thumbnail:

Number: GP000010902

Name: FinalAssembly_YNI_Changed

Version: 01.1 (Engineering)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled

Status: Checked in

Modified By: Roberto Temur

Last Modified: 2020-05-21 13:46 EDT

Weight:

CN Number:

Customer Part Number:

mePartViewDriver:

<https://magna-dev1.ptcmscloud.com/Windchill/#>

Find in Structure: All

Current Filter: [System Default] Engineering, Working

Check Out

Check In

Undo Checkout

My Checkouts

Revise with Current Link

Identity	Q...	Unit	
GP000011002, FinalAssembly_YNI_Changed, 01.2 (Holly)			✓
0000000108, Software_YNI, A.1 (Engineering)	1	PC	✓
RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)	1	PC	✓
RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	1	each	●
RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)	1	each	●
RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)	1	PC	●

(6 objects)

Attributes Uses Visualization Equivalent Parts Equivalent Occurrences

Part Attributes

Thumbnail:

Number: GP000011002

Name: FinalAssembly_YNI_Changed

Version: 01.2 (Holly)

State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled

Status: Working copy, checked-out to you

Modified By: Roberto Temur

Last Modified: 2020-05-21 14:59 EDT

Weight:

CN Number:

Customer Part Number:

mePartViewDriver:

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

Before to complete the mBOM change Task validate the Updated Final Assembly_YNI_Changed 02:

- Refresh Page first
- Note you see version .2
- Click Go to latest
- Note the FA is .3 now

The screenshot displays the Windchill BOM Management interface. At the top, the Windchill logo and user 'rtemur' are visible. A red box highlights the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The breadcrumb path is 'Products > Test_MEProduct > 1 - Final Assemblies'. The main title is 'Final Assembly - GP000067802, FinalAssembly_YNI_Changed, 01.2 (Holly)', with '01.2 (Holly)' highlighted in a red box. A 'Go to Latest' button is also highlighted in a red box. The interface includes a search bar, 'Quick Links', and a 'Recently Accessed' dropdown. Below the title, there are tabs for 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', 'AML/AVL', and 'Upstream/Downstream'. The 'Structure' tab is active, showing a tree view of the assembly hierarchy. The 'Attributes' tab is also active, displaying 'Part Attributes' with the following details:

Number:	GP000067802
Name:	FinalAssembly_YNI_Changed
Version:	01.2 (Holly)
State:	Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
Status:	Checked in
Modified By:	Roberto Temur
Last Modified:	2020-06-09 12:28 EDT
Weight:	
CN Number:	
Customer Part Number:	
mePartViewDriver:	

The structure tree shows the following objects:

- GP000067802, FinalAssembly_YNI_Changed, 01.2 (Holly)
 - RO000067502, Hardware_YNI_Changed, 01.3 (Engineering)
 - AsmCust_DWG_YNI.CATDrawing, -.1
 - RO000068501, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - RO000068701, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
 - RO000068801, Mechanical_YNI_TRN COVER ASM, 01.2 (Engineering)
 - RO000068901, Mechanical_YNI_TRN COVER PART, 01.1 (Enginee
 - RO000069001, Mechanical_YNI_TRN GASKET PART, 01.1 (Engine
 - RO000070901, ManufAsm_YNI, 01.1 (Holly)
 - UN000067701, Software_YNI, 01.1 (Engineering)
 - VE000067901, Packaging_YNI, 01.1 (Holly)

(11 objects)

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Note the FinalAssembly is .3 now
- Select Upstream/Downstream TAB

Products > Test_MEProduct > 1 - Final Assemblies

Final Assembly - GP000067802, FinalAssembly_YNI_Changed, 01.3 (Holly) Draft

Details Structure Related Objects Changes History Where Used Traceability AML/AVL **Upstream/Downstream**

Editing: Insert Existing, Remove, Insert New, Edit
Check Out/In: Check Out, Revise, Check In, My Checkouts
Clipboard: Paste, Copy
Viewing: Show, Views, Hide, Display
New/Add To: New, Add to

Find in Structure: All, Advanced

Identity

- GP000067802, FinalAssembly_YNI_Changed, 01.3 (Holly)
 - RO000067502, Hardware_YNI_Changed, 01.3 (Engineering)
 - RO000068501, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - RO000068701, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
 - RO000068801, Mechanical_YNI_TRN COVER ASM, 01.2 (Engineering)
 - RO000068901, Mechanical_YNI_TRN COVER PART, 01.1 (Enginee
 - RO000069001, Mechanical_YNI_TRN GASKET PART, 01.1 (Engine
 - RO000070901, ManufAsm_YNI, 01.1 (Holly)
 - UN000067701, Software_YNI, 01.1 (Engineering)
 - VE000067901, Packaging_YNI, 01.1 (Holly)

Attributes Classification Visualization Uses Oc

Part Attributes

Number: GP000067802
Name: FinalAssembly_YNI_Changed
Version: 01.3 (Holly)
State: Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
Status: Checked in
Modified By: Roberto Temur
Last Modified: 2020-06-09 12:41 EDT
Weight:
CN Number:
Customer Part Number:
mePartViewDriver:

https://magna-dev5.ptcmscloud.com/Windchill/#

BOM Management

Step9: Create Equivalent Links eBOM to mBOM

- Note the FinalAssembly is .3 now
- Select Upstream/Downstream TAB

The screenshot shows the Windchill interface for BOM Management. The top navigation bar includes the Windchill logo, the user name 'rtemur', a red notification box stating 'PRODUCTION Windchill rehost dated 1-June-2020', a search bar, and a 'Quick Links' dropdown. The breadcrumb trail indicates the current location: 'Products > Test_MEProduct > 1 - Final Assemblies'. The main content area displays the 'Final Assembly - GP000067802, FinalAssembly_YNI_Changed, 01.3 (Holly)' in a 'Draft' state. A horizontal menu of tabs is visible, with 'Upstream/Downstream' highlighted in red. Below this, the 'Upstream Parts' section is expanded to show 'Upstream Equivalent Parts' (1 object). A table lists the upstream parts, with the first row highlighted in orange and outlined in red:

	Number	Name	Version	State	Context
<input type="checkbox"/>	GP000067602	FinalAssembly_YNI_Changed	01.1 (Engineering)	Draft	Test_MEProduct

The bottom of the table area shows '(0 objects selected)'. On the left side of the interface, there is a vertical 'Navigator' bar with 'Search | Browse' options.

BOM Management

CR

BOM Management Session
CN3 ✓

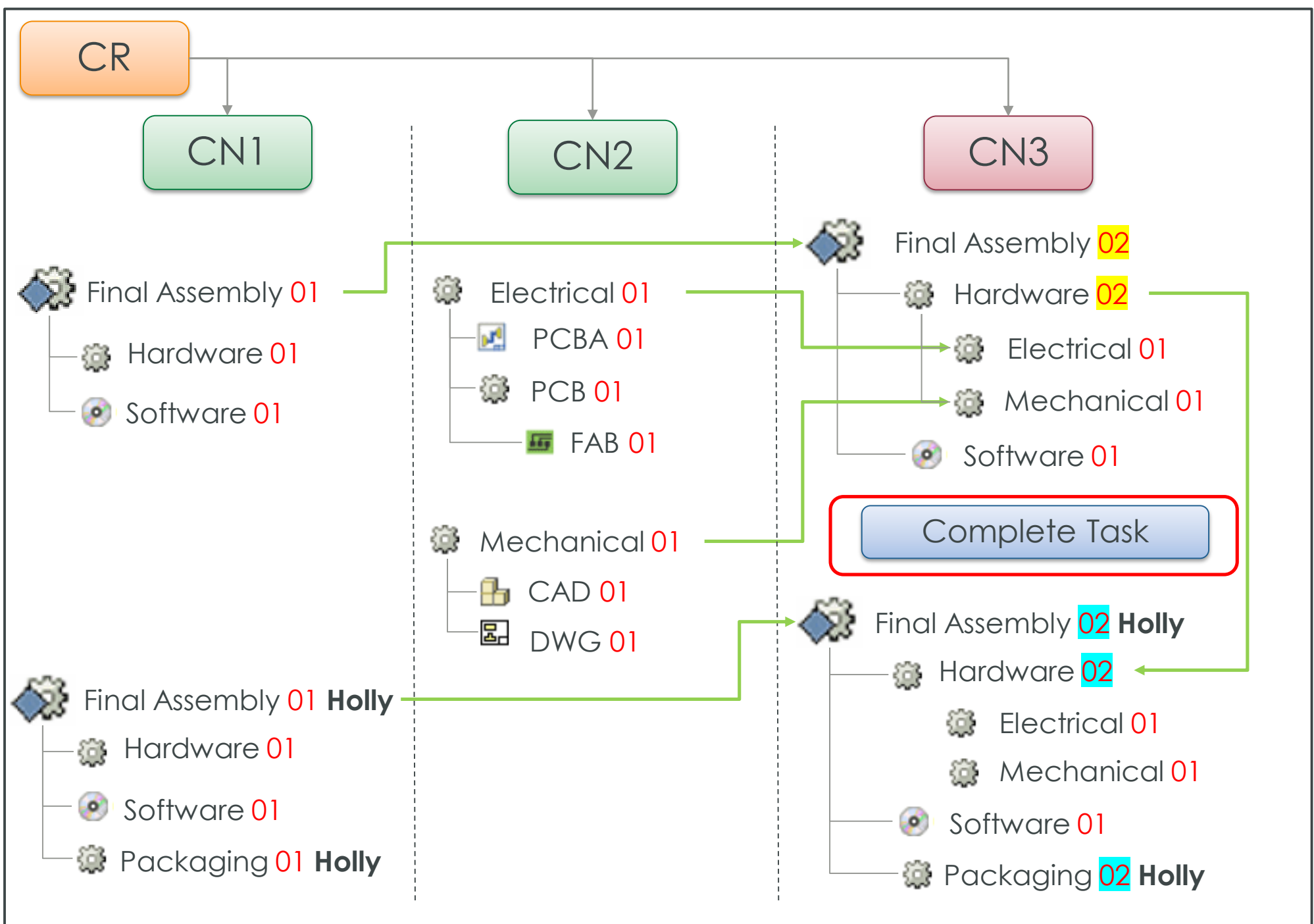
Complete Change Notice Task mBOM



- ✓ Engineering Final ASM (eBOM)
 - Final Assembly 02
- Manufacturing Final ASM (mBOM)
 - Final Assembly 02 **Holly**
- Manufacturing SubAssy/ Packaging
 - Packaging 02 **Holly**

BOM Management

Complete mBOM Task



BOM Management

Step 10: Complete Change Notice Task - eBOM

- Click Home icon
- Identify the task with subject: Manufacturing Final Assembly (mBOM)
- Click Complete Change Notice Task link for identified task to open
- Select Details TAB (if needed)

Tasks | Updates | Checked-Out Work

My Tasks Open (3 objects)

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Assignee
Complete Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Assignee
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer

windchill® rtemur Change Request Search ... Quick Links

Products > TRAINING > Tasks

Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task Implementation

Details Resulting Objects

Complete Resulting Objects All (1 objects)

Identity	Name	State	Comments
GP000011002, FinalAssembly_YNI_Changed, 01.3 (Holly)	FinalAssembly_YNI...	Draft	

(0 objects selected)

BOM Management

Step 10: Complete Change Notice Task - eBOM

- Scroll down the page
- Enter comments
- Click Complete Task

The screenshot shows the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are navigation elements like 'Change Request' and a search bar. The breadcrumb trail indicates the path: 'Products > TRAINING > Tasks'. The main title of the task is 'Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task'. Below the title, there are tabs for 'Details' and 'Resulting Objects', with 'Resulting Objects' being the active tab. Underneath, there are sub-sections for 'Attributes', 'Subject Attributes', and 'Task Completion'. The 'Subject Attributes' section contains the following information: Change Notice: Change Notice - CN0000038; Change Notice Name: CN3_YNI; Name: Manufacturing Final Assembly (mBOM); Need Date: (empty); Description: Update and release affected Manufacturing Final Assembly (mBOM). Confirm BOM structure for Manufacturing Final Assembly (mBOM) is correctly configured. If additional Manufacturing Partial Assemblies and/or Manufacturing Packaging parts were created at the time of mBOM configuration, please add these items to the list of affected and resulting objects. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables. The 'Task Completion' section has a 'Comments' field with the text 'mBOM was updated to 02 as required' entered. At the bottom right, there are two buttons: 'Save' and 'Complete Task', with 'Complete Task' being highlighted with a red box.

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Change Request Search . . . Quick Links

Products > TRAINING > Tasks Recently Accessed

Actions Task - Magna Change Activity Workflow_CT0000069-Complete Change Notice Task Implementation ?

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Subject Attributes

Change Notice: Change Notice - CN0000038

Change Notice Name: CN3_YNI

Name: Manufacturing Final Assembly (mBOM)

Need Date:

Description: Update and release affected Manufacturing Final Assembly (mBOM). Confirm BOM structure for Manufacturing Final Assembly (mBOM) is correctly configured. If additional Manufacturing Partial Assemblies and/or Manufacturing Packaging parts were created at the time of mBOM configuration, please add these items to the list of affected and resulting objects. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables.

Task Completion

Comments: mBOM was updated to 02 as required

Save Complete Task

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task Packaging

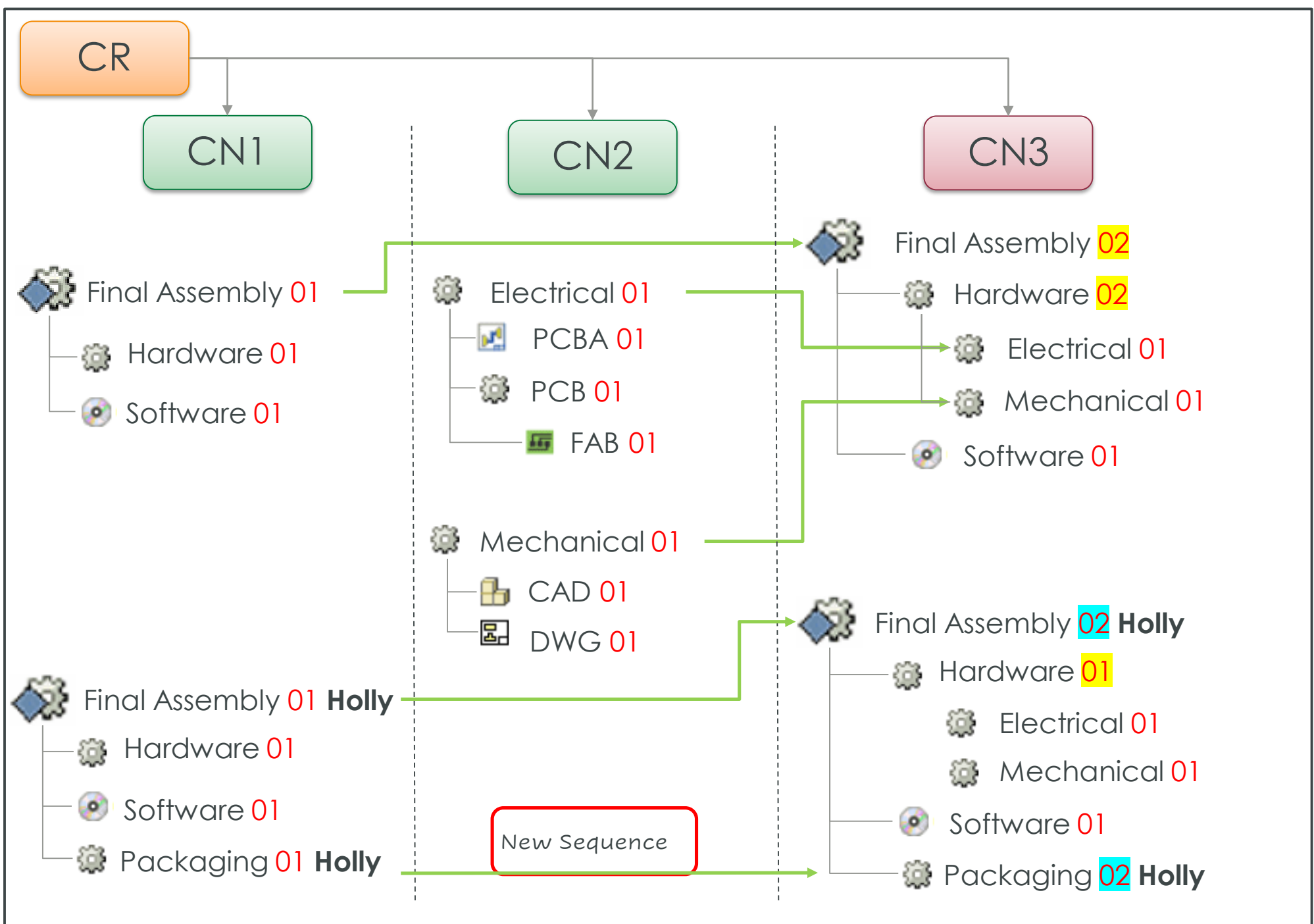


- ✓ Engineering Final ASM (eBOM)
 Final Assembly 02
- ✓ Manufacturing Final ASM (mBOM)
 Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
 Packaging 02 Holly

BOM Management

Update of existing Packaging

New Sequence



BOM Management

Step 11: Update of existing Packaging

- Identify the task with subject: Manufacturing SubAssy/Packaging
- Click Complete Change Notice Task link for identified task to open
- Read the Description and Need Date
- Do NOT complete the task at this time

The screenshot displays the Windchill software interface. At the top, there are navigation tabs for 'Tasks', 'Updates', and 'Checked-Out Work'. Below this, a 'My Tasks' section shows a list of tasks. The first task, 'Complete Change Notice Task', is highlighted with a red box. The task details for 'Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging' are shown below. The 'Attributes' section includes 'Subject', 'Instructions', 'Assignee', 'Role', 'Deadline', 'Priority', 'Status', and 'Process'. The 'Subject Attributes' section includes 'Change Notice', 'Change Notice Name', 'Name', 'Need Date', and 'Description'. The 'Description' field is highlighted with a red box.

Tasks | Updates | Checked-Out Work

My Tasks Open (3 objects)

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Assignee
Review Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task		

Search in table

Change Request Search ... Quick Links

Products > TRAINING > Tasks

Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task

Details Resulting Objects

Attributes Subject Attributes Task Completion

Attributes

Subject: Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging

Instructions: You have been assigned a task for the change notice.
1. Review the object displayed.
2. Complete the work required.
3. Enter comments in the Comments text field below.
4. Click Complete Task to advance the change activity.

Assignee: Roberto Temur
Role: Assignee
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change Activity Workflow_CT0000070-Manufacturing SubAssy/Packaging

Subject Attributes

Change Notice: Change Notice - CN0000038
Change Notice Name: CN3_YNI
Name: Manufacturing SubAssy/Packaging
Need Date:
Description: Update and release affected Packaging information. Confirm BOM structure for Manufacturing Electrical Assembly is correctly configured. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables.

BOM Management

Step 11: Update of existing Packaging

- Click on the Resulting Objects TAB
- Click Edit icon to edit the Change Task

The screenshot displays the Windchill interface for a task titled "Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task". The main view shows the "Details" tab, which includes sections for "Attributes" and "Subject Attributes".

Attributes:

- Subject:** Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging
- Instructions:** You have been assigned a task for the change notice.
 1. Review the object displayed.
 2. Complete the work required.
 3. Enter comments in the Comments text field below.
 4. Click Complete Task to advance the change activity.
- Assignee:** Roberto Temur
- Role:** Assignee
- Deadline:**
- Priority:** Highest
- Status:** Potential
- Process:** Magna Change Activity Workflow_CT0000070-Manufacturing SubAssy/Packaging


Subject Attributes:

- Change Notice:** Change Notice - CN0000038
- Change Notice Name:** CN3_YNI
- Name:** Manufacturing SubAssy/Packaging
- Need Date:**
- Description:** Update and release... Review and confirm... Provide all information... If applicable, update...

A modal window is overlaid on the bottom right, showing the "Resulting Objects" tab. It features a "Complete Resulting Objects" section with a dropdown menu set to "All". Below this is a toolbar with various icons, including an edit icon (pencil) which is highlighted with a red box. An "Actions" dropdown menu is also visible next to the toolbar. At the bottom of the modal, a table header is partially visible with columns for "Identity" and "Name".

BOM Management

Step 11: Update of existing Packaging

- Click Add Affected objects icon 

Search for your Packaging:

- Type Packaging_YNI in Name field
- Click Search
- Select Holly View
- Click OK

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (0 objects)

Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation Sets
--	----------	---------	------	----------	-----------------	----------	-----------------

+ Add by Number Add by Name (0 objects selected)

Find Affected Objects

Type: All Applicable Object Types Add/Update

Context:

Number:

Name:

Revision: Select: Latest Specify:

Search **Clear**

Search Results (3 objects)

Search in table

	Number ↓	Name	Context	Version
<input checked="" type="checkbox"/>	VE000011101	Packaging_YNI	TRAINING	01.1 (Holly)

OK **Cancel**

BOM Management

Step 11: Update of existing Packaging

- Note Packaging (01) was added to Affected Objects
- Select the Packaging in Affected Objects
- Click New Sequence Icon

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Actions

<input checked="" type="checkbox"/>		Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation S
<input checked="" type="checkbox"/>		VE000011101	01.1 (Holly)	Packaging_YNI	Use Existing ▾	Use Existing ▾	Use Existing ▾	

+ Add by Number Add by Name

(1 objects selected)

Resulting Objects All (0 objects)

Actions

<input type="checkbox"/>		Number	Version	Name	State	Release Target ↑	Comments
--------------------------	--	--------	---------	------	-------	------------------	----------

+ Add by Number Add by Name

(0 objects selected)

Back Next Finish Cancel

BOM Management

Step 11: Update of existing Packaging

- Update the New name of the changing components: append word Changed
- Click OK

New Sequence

Current Settings: No dependents, Latest : Holly, Working

New Sequence

As a List

Default

(1 of 1 objects)

			Number	New Number	File N...	Ne...	Name ↓	New Name	Version
<input type="checkbox"/>			VE000011101	(Generated)			Packaging_YNI	Packaging_YNI_Changed	01.1 (Holly)

(0 objects selected)

*Indicates required fields

OK

Cancel

BOM Management

Step 11: Update of existing Packaging

- Click Refresh Button from the Resulting Objects



Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Search in table

Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation S
VE000011101	01.1 (Holly)	Packaging_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (0 objects selected)

Resulting Objects All (0 objects)

Search in table

Number	Version	Name	State	Release Target ↑	Comments
--------	---------	------	-------	------------------	----------

+ Add by Number Add by Name (0 objects selected)

Back Next Finish Cancel

BOM Management

Step 11: Update of existing Packaging

- Note the Resulting Objects Table is successfully Updated
- Note the version of Package is 02
- Note the State is Draft

Refresh Resulting Objects
Table successfully updated.

Set Attributes Select Affected/Resulting Objects

Affected Objects All (1 objects)

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation S
	VE000011101	01.1 (Holly)	Packaging_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name (0 objects selected)

Resulting Objects All (1 objects)

	Number	Version	Name	State	Release Target...	Comments
	VE000011102	01.1 (Holly)	Packaging_YNI_Change...	Draft		

+ Add by Number Add by Name (0 objects selected)

Back Next Finish Cancel

BOM Management

Step 11: Update of existing Packaging

- Set Release Target to Production for all objects
- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (1 objects)

Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation S
<input type="checkbox"/>	VE000011101	01.1 (Holly)	Packaging_YNI	Use Existing ▼	Use Existing ▼	Use Existing ▼	

+ Add by Number Add by Name

(0 objects selected)

Resulting Objects All (1 objects)

Search in table

	Number	Version	Name	State	Release Targe...	Comments
<input checked="" type="checkbox"/>	VE000011102	01.1 (Holly)	Packaging_YNI_Chan...	Draft	Production ▼	

+ Add by Number Add by Name

(1 objects selected)

Back Next **Finish** Cancel

BOM Management

CR

BOM Management Session
CN3 ✓

Complete Change Notice Task Packaging

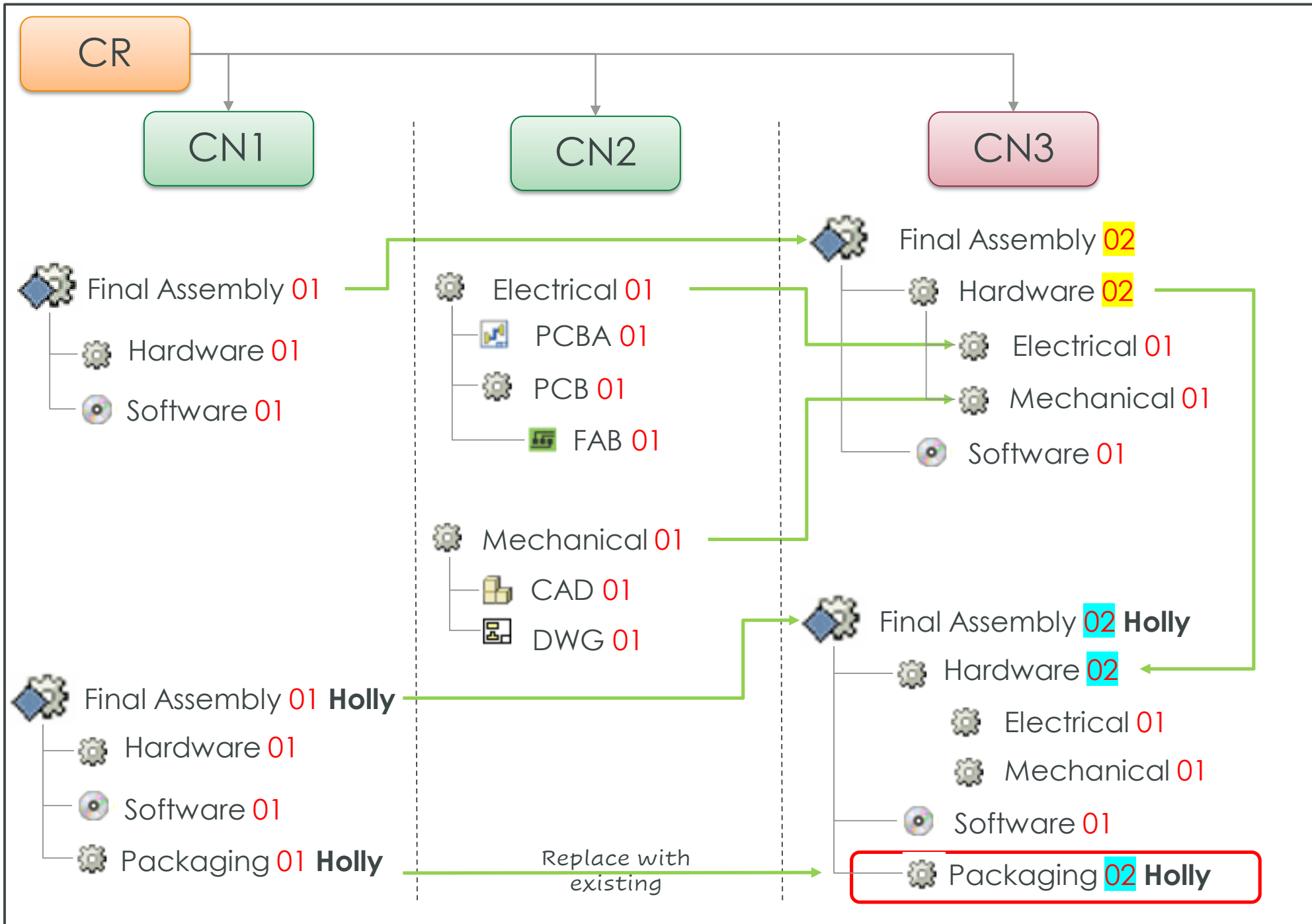


- ✓ Engineering Final ASM (eBOM)
 Final Assembly 02
- ✓ Manufacturing Final ASM (mBOM)
 Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
 Packaging 02 Holly

BOM Management

Replace Packaging 01 with 02 in mBOM

Replace with Existing



BOM Management

Step 12: Replace Packaging 01 with 02 in FA_YNI mBOM

- Note Resulting Objects added to the Change Task
- Before to Complete the task you need to update the mBOM with new Packaging (02)
- Go to next slide

The screenshot shows the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are navigation elements like 'Change Request' and a search bar. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task'. Below this, there are tabs for 'Details' and 'Resulting Objects'. The 'Resulting Objects' tab is active, showing a table of 'Complete Resulting Objects'. The table has columns for 'Identity', 'Name', 'State', and 'Comments'. One object is listed: 'VE000011102, Packaging_YNI_Changed, 01.1 (Holly)' with state 'Draft'. A red box highlights the gear icon in the 'Identity' column and the information icon in the 'Name' column for this object. The bottom of the screen shows '(0 objects selected)' and a 'Navigator' sidebar on the left.

Products > TRAINING > Tasks

Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task

Implementation ?

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (1 objects)

Identity	Name	State	Comments
VE000011102, Packaging_YNI_Changed, 01.1 (Holly)	Packaging_YNI_Cha...	Draft	

(0 objects selected)

Search | Browse

Navigator

BOM Management

Step 12: Replace Packaging 01 with 02 in FA_YNI mBOM

- Click Home Icon
- Click Updates
- Select View Information icon for FinalAssembly_YNI_Changed..... Holly view



The screenshot shows the Windchill BOM Management interface. The user is logged in as 'rtemur'. The 'Home' icon is highlighted with a red box. The 'Updates' tab is selected and highlighted with a red box. The 'My Tasks' section shows three tasks related to 'Magna Change Task'. The 'Updates' section shows a list of 15 updates, with the 'FinalAssembly_YNI_Changed' update highlighted in orange and its information icon circled in red.

Windchill[®] rtemur Change Request Search... Quick Links

Home

Tasks Updates Checked-Out Work Customize

My Tasks Open (3 objects)

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Assignee
Review Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer

(0 objects selected)

Updates Most Recent (15 objects)

Name	Number	Version	State	Last Modified
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000011002	01.3 (Holly)	Draft	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Draft	2020-05-2
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2
AsmCustDWG_YNI_DashCamAsm	RO000011301	01.1 (Engineering)	Draft	2020-05-2

BOM Management

Step 12: Replace Packaging 01 with 02 in FA_YNI mBOM

- Select Structure TAB if needed
- Note Packaging is version 01
- Click RMB on Packaging
- Select Replace Option
- Select Replace with Existing

The screenshot displays the Windchill software interface for BOM management. The top navigation bar includes the Windchill logo, the user name 'rtemur', and a search bar. The main content area shows the 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.4 (Holly)' structure. The 'Structure' tab is active, showing a tree view of components. The component 'VE000011101, Packaging_YNI, 01.1 (Holly)' is selected and highlighted with a red box. A right-click context menu is open over this component, with the 'Replace' option highlighted in green. A sub-menu is also open, showing 'Replace with Existing' highlighted in green. The 'Part Attributes' section on the right shows the part number 'VE000011101' and other details. The bottom of the screen shows the URL 'https://magna-dev1.ptcmscloud.com/Windchill/#'.

BOM Management

Step 12: Replace Packaging 01 with 02 in FA_YNI mBOM

- Type in the Name field: Packaging_YNI_C hanged
- Click Search
- Select your Packaging_YNI_C hanged (02)
- Click OK

Windchill rtemur Change Request Search ... Quick Links

Products > TRAINING > CN1

Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.4 (Holly) Draft

Details Structure Related Objects Changes History Where Used Traceability AML/AVL

Replace with Existing

Search On: All Applicable Types

Number:

Name: Packaging_YNI_Changed

End Item:

Default Trace Code:

Search Clear

Number	Name	End Item
VE000011102	Packaging_YNI_Changed	No
VE000004302	Packaging_YNI_Changed	No

OK Cancel

BOM Management

Step 12: Replace Packaging 01 with 02 in FA_YNI mBOM

- Validate the mBOM & Packaging: Expand Structure
- Select FA_YNI_Changed 02 (Holly)
- Click Check In
- Enter comments
- Click OK

The screenshot displays the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar and 'Change Request' dropdown are also present. The main navigation bar shows 'Products > TRAINING > CN1'. The current view is 'Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.4 (Holly)'. The 'Check In' button in the 'Check Out/In' section is highlighted with a red box. The 'Check In' dialog box is open, showing the item 'GP000011002, FinalAssembly_YNI_Changed, 01.4 (Holly)' and a 'Comments' text area, which is also highlighted with a red box. The 'OK' button at the bottom right of the dialog is also highlighted with a red box. The left sidebar contains 'Search | Browse' and 'Navigator' buttons. The bottom of the interface shows '(7 objects)'.

BOM Management

CR

BOM Management Session
CN3 ✓

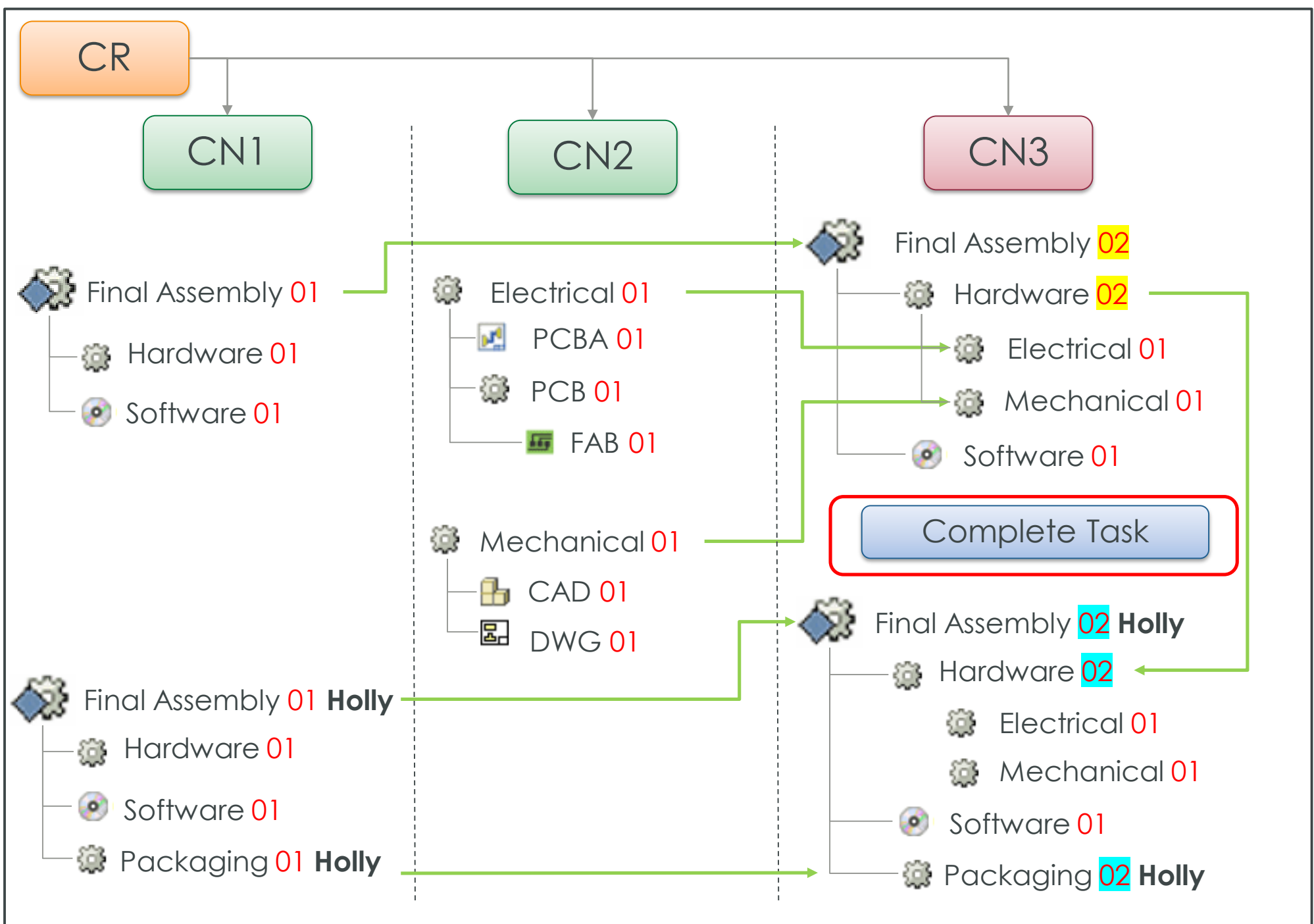
Complete Change Notice Task Packaging



- ✓ Engineering Final ASM (eBOM)
 Final Assembly 02
- ✓ Manufacturing Final ASM (mBOM)
 Final Assembly 02 Holly
- Manufacturing SubAssy/ Packaging
 Packaging 02 Holly

BOM Management

Complete Packaging Task



BOM Management

Step 13: Complete Packaging Task

- Click Home Icon
- Identify the task with subject: Manufacturing SubAssy/Packaging
- Click Complete Change Notice Task link for identified task to open
- Select Details TAB (if needed)

The screenshot displays the Windchill user interface. At the top, there are navigation tabs for 'Tasks', 'Updates', and 'Checked-Out Work'. Below this, a 'My Tasks' section shows a list of tasks. The first task, 'Complete Change Notice Task', is highlighted with a red box. The second task, 'Review Change Notice Task', is also highlighted with a red box. The third task, 'Review Change Notice Task', is also highlighted with a red box. Below the task list, the 'Details' tab is selected and highlighted with a red box. The 'Details' view shows the task name 'Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task' and a table of 'Complete Resulting Objects'. The table has columns for 'Identity', 'Name', 'State', and 'Comments'. One object is listed: 'VE000011102, Packaging_YNI_Changed, 01.1 (Holly)' with state 'Draft'. A 'Navigator' sidebar is visible on the left side of the interface.

Name	Subject	Role
Complete Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Assignee
Review Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer

Identity	Name	State	Comments
VE000011102, Packaging_YNI_Changed, 01.1 (Holly)	Packaging_YNI_Cha...	Draft	

BOM Management

Step 13: Complete Packaging Task

- Scroll down the page
- Enter comments
- Click Complete Task

The screenshot shows the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are navigation elements like 'Change Request' and a search bar. The breadcrumb trail indicates the path: Products > TRAINING > Tasks. The main title of the task is 'Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task'. Below the title, there are tabs for 'Details' and 'Resulting Objects', with 'Resulting Objects' being the active tab. Underneath, there are sub-sections for 'Attributes', 'Subject Attributes', and 'Task Completion'. The 'Subject Attributes' section contains the following information: Change Notice: Change Notice - CN0000038; Change Notice Name: CN3_YNI; Name: Manufacturing SubAssy/Packaging; Need Date: (blank); Description: Update and release affected Packaging information. Confirm BOM structure for Manufacturing Electrical Assembly is correctly configured. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables. The 'Task Completion' section has a 'Comments' field with the text 'Packaging updated to 02 as required'. At the bottom right, there are two buttons: 'Save' and 'Complete Task', with 'Complete Task' being highlighted with a red box.

windchill® rtemur Change Request Search . . . Quick Links

Products > TRAINING > Tasks Recently Accessed

Actions Task - Magna Change Activity Workflow_CT0000070-Complete Change Notice Task Implementation ?

Details Resulting Objects

Attributes Subject Attributes Task Completion

Subject Attributes

Change Notice: Change Notice - CN0000038

Change Notice Name: CN3_YNI

Name: Manufacturing SubAssy/Packaging

Need Date:

Description: Update and release affected Packaging information. Confirm BOM structure for Manufacturing Electrical Assembly is correctly configured. Review and confirm that the Resulting Objects list reflects the correct Part Numbers, Versions and States for each of the Affected Parts being released. Provide all information required to create the mBOM: Routing information, container & packaging information. If applicable, update all related ProjectLink Activities and deliverables.

Task Completion

Comments: Packaging updated to 02 as required

Save Complete Task

BOM Management

Complete
Review
Change
Notice
Tasks

CR

BOM
Management
Session

CN3

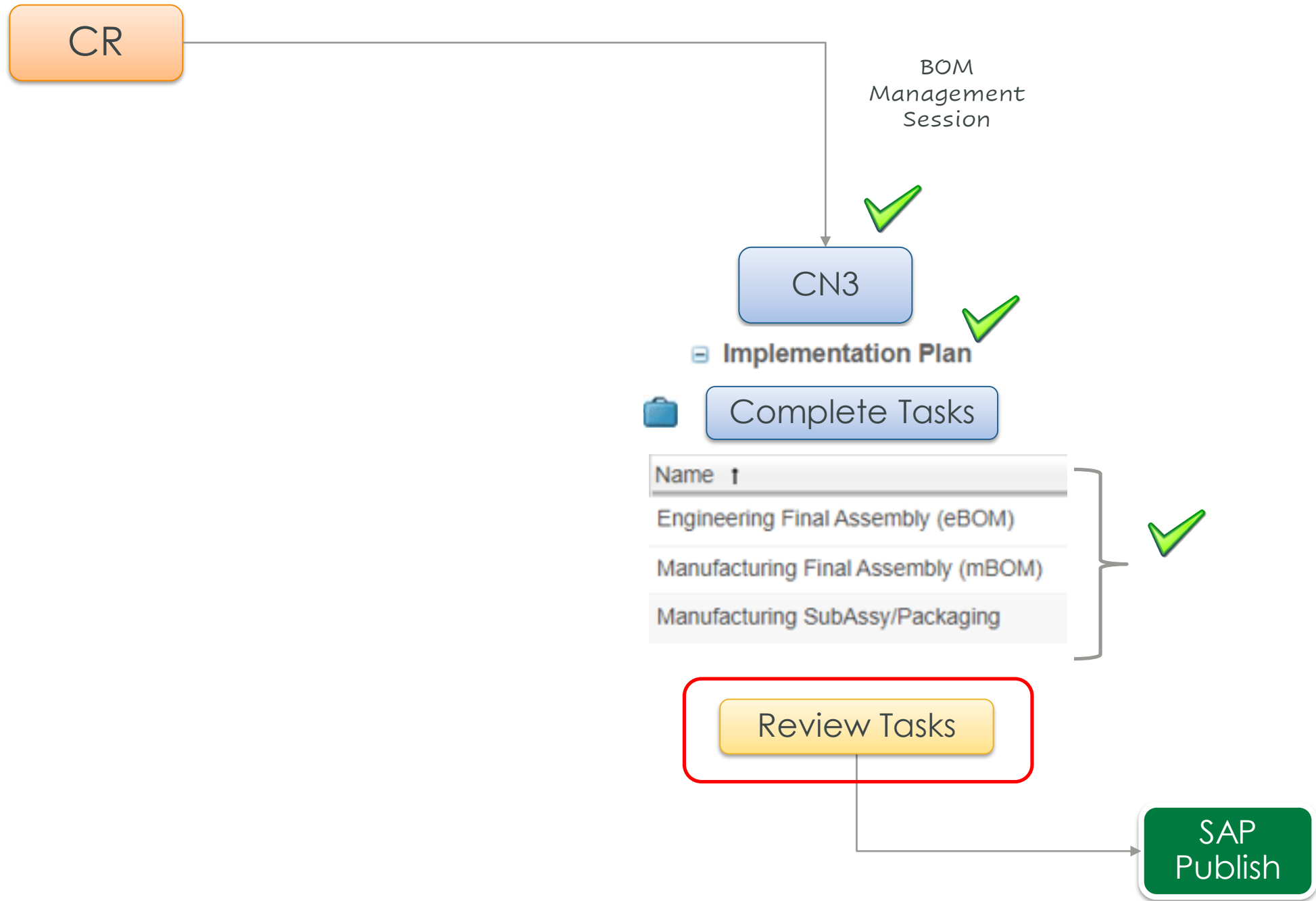
Implementation Plan

Complete Tasks

Name ↑
Engineering Final Assembly (eBOM)
Manufacturing Final Assembly (mBOM)
Manufacturing SubAssy/Packaging

Review Tasks

SAP
Publish



BOM Management

Step 14: Review Change Notice Tasks

- Note: Tasks are generated for Reviewers

The screenshot displays the Windchill BOM Management interface. At the top, the user 'rtemur' is logged in, and the current view is 'Change Request'. The interface is divided into several sections:

- My Tasks:** A table with 3 objects. The first three rows are highlighted with a red box. Each row contains a checkbox, a folder icon, the text 'Review Change Notice Task', an information icon, a folder icon, the subject name, and the role 'Reviewer'.

Name	Subject	Role
Review Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Reviewer
- Updates:** A table with 15 objects. The first few rows are visible, showing various assembly names, numbers, versions, and states.

Name	Number	Version	State	Last Modified
FinalAssembly_YNI_Changed	GP000011002	01.5 (Holly)	Draft	2020-05-2
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Draft	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Draft	2020-05-2
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2

BOM Management

Step 14: Review Change Notice Tasks

- Identify the task: Engineering Final Assembly (eBOM)
- Click in the name column the identified task to open

The screenshot shows the Windchill software interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are navigation tabs for 'Change Request', a search bar, and 'Quick Links'. The main content area is divided into two sections: 'My Tasks' and 'Updates'.

My Tasks Section:

- Tab: My Tasks (Open)
- Search: Search in table
- Table with columns: Name, Subject, Role
- Three rows of tasks are listed. The second row is highlighted with a red box.

Name	Subject	Role
Review Change Notice Task	Magna Change Task - CT0000069, Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000070, Manufacturing SubAssy/Packaging	Reviewer

Updates Section:

- Tab: Updates (Most Recent)
- Search: Search in table
- Table with columns: Name, Number, Version, State, Last Modif
- Multiple rows of updates are listed.

Name	Number	Version	State	Last Modif
FinalAssembly_YNI_Changed	GP000011002	01.5 (Holly)	Draft	2020-05-2
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Draft	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Draft	2020-05-2
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2

BOM Management

Step 14: Review Change Notice Tasks

- Read Instructions
- Click RMB on subject link to open in a New Window
- Click Resulting Objects Link
- Click View Info icon for objects to do the review
- Close extra window after review

windchill® rtemur

Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Task - Magna Change Activity Workflow_CT0000071-Review Change Notice Task Under Review

Details Resulting Objects

Attributes | Subject Attributes | Process Status | Task Completion

Attributes

Subject: Magna Change Task - CT0000071, Engineering Final Assembly (eBOM)

Instructions: You have been selected as a reviewer for this change notice task.
1. Review the ob
2. Review the Re
3. If rework is ne
4. Enter commen
5. Click Complete
6. Click Complete

Special Instructions:

Assignee: Roberto Temur
Role: Reviewer
Deadline:
Priority: Highest
Status: Potential
Process: Magna Change

Subject Attributes

Change Notice: Change Notice
Change Notice Name: CN3_YNI
Name: Engineering F
Need Date:
Description: Update and re configured.

Magna Change Task - CT0000071

Details Process

Attributes | More Attributes | Attachments Affected / Resulting Objects | Related Supplier Parts and Documents

Affected Objects All

Number	Version	Name	On Order	Work-in-Process
GP000010901	01.2 (Engineering)	FinalAssembly_YNI	Use Existing	Use Existing

(0 objects selected)

Resulting Objects All

Number	Version	Name	State
RO000010702	01.2 (Engineering)	Hardware_YNI_Changed	Draft
GP000010902	01.1 (Engineering)	FinalAssembly_YNI_Changed	Draft

BOM Management

Step 14: Review Change Notice Tasks

- You are back on the review task - Scroll down the page
- See Process Status
- See Task History
- Enter Comments
- Select Complete
- Click Complete Task

Products > TRAINING > Tasks Recently Accessed ▾

Actions ▾ **Task - Magna Change Activity Workflow_CT0000071-Review Change Notice Task** Under Review ?

Details **Resulting Objects**

Attributes | Subject Attributes | Process Status | Task Completion

Process Status (3 objects)

Search in table 🔍 ?

	Name	Assignee	Role	Vote	Comments	Completed By
	Review Change Notice Task	Roberto Temur	Reviewer			
✓	Set Assignee & Reviewer	Roberto Temur	LeadSystemEngineer			Roberto Temur
✓	Complete Change Notice T...	Roberto Temur	Assignee		eBOM was updated with ECAD and MCAD	Roberto Temur

Task Completion

Comments:

Routing Options Complete Rework

Save **Complete Task**

BOM Management

Step 14: Review Change Notice Tasks

- Complete the remaining Review Tasks (repeat same steps):
- Open task
- Click Subject
- Click Resulting Objects
- Review
- Go back to Task
- Scroll Down
- Enter Comments
- Select Complete disposition
- Click Complete Task

Tasks | Updates | Checked-Out Work

My Tasks Open (2 objects)

Name ↑	Subject	Role
Review Change Notice Task	Magna Change Task - CT0000069,Manufacturing Final Assembly (mBOM)	Reviewer
Review Change Notice Task	Magna Change Task - CT0000070,Manufacturing SubAssy/Packaging	Reviewer

Tasks | Updates | Checked-Out Work

My Tasks Open (1 objects)

Name ↑	Subject	Role
Review Change Notice Task	Magna Change Task - CT0000070,Manufacturing SubAssy/Packaging	Reviewer

BOM Management

Confirm Publishing to SAP

CR

BOM Management Session

CN3

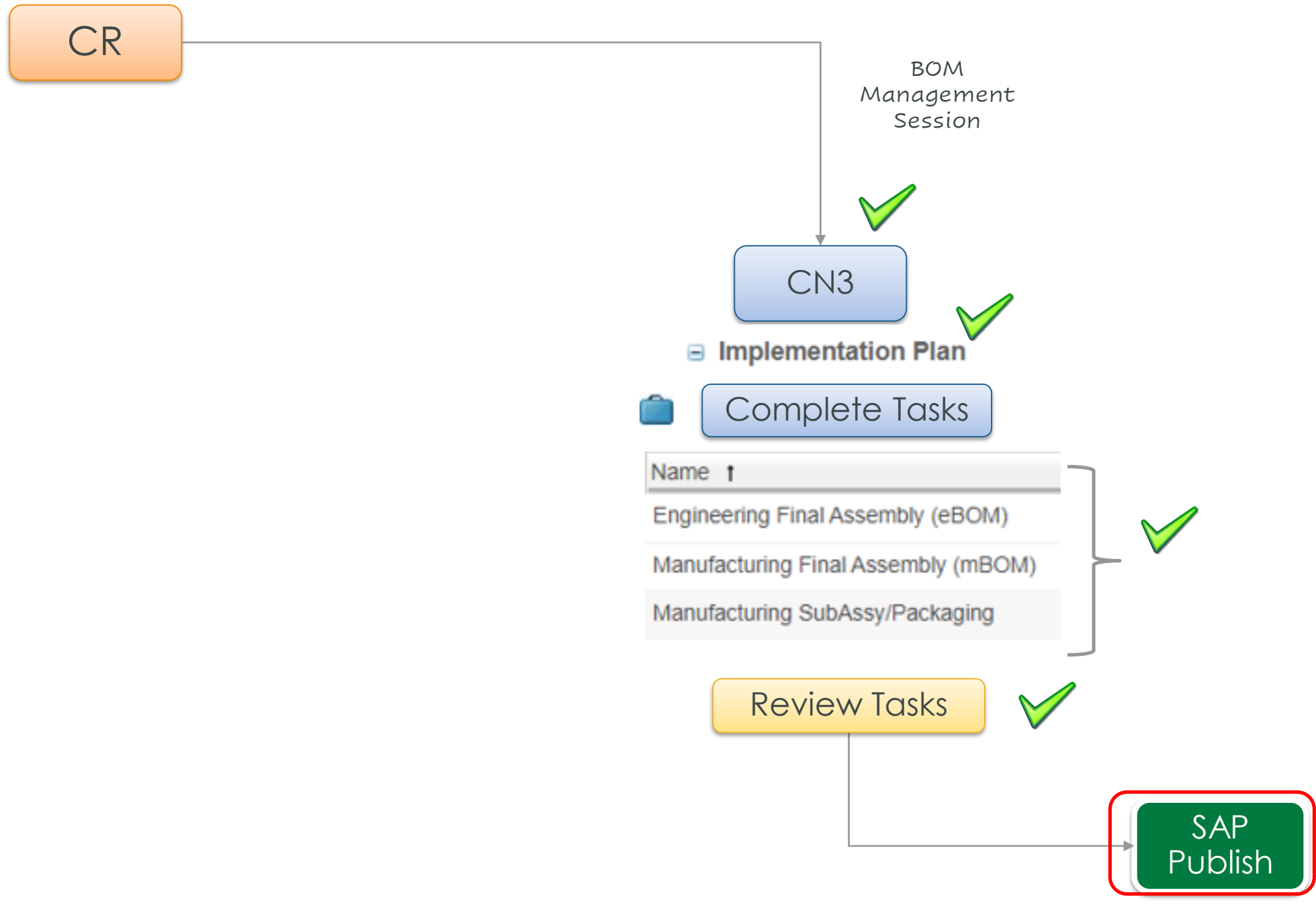
Implementation Plan

Complete Tasks

Name ↑
Engineering Final Assembly (eBOM)
Manufacturing Final Assembly (mBOM)
Manufacturing SubAssy/Packaging

Review Tasks

SAP Publish



BOM Management

Step 15: Confirm Publishing to SAP

- If you get this Task that means the Operational CM Role is missing
- Select your CN3_YNI_TRN to add the role

The screenshot shows the Windchill user interface. At the top, the user is logged in as 'rtemur'. There are navigation tabs for 'Tasks', 'Updates', and 'Checked-Out Work'. The 'My Tasks' section shows one task: 'Operational CM group Role need to be filled in' with a subject of 'Change Notice - CN0000038,CN3_YNI'. Below this, the 'Updates' section shows a list of 15 objects. The 'CN3_YNI' update with number 'CN0000038' is highlighted in orange.

Windchill® rtemur Change Request Search . . . Quick Links

Recently Accessed

Tasks | Updates | Checked-Out Work

My Tasks Open (1 objects)

Name	Subject	Role
Operational CM group Role need to be filled in	Change Notice - CN0000038,CN3_YNI	Program Man

(0 objects selected)

Updates Most Recent (15 objects)

Name	Number	Version	State	Last Modif
FinalAssembly_YNI_Changed	GP000011002	01.5 (Holly)	Draft	2020-05-2
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Draft	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Draft	2020-05-2
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2
AsmCustDWG_YNI_DashCamAsm	RO000011301	01.1 (Engineering)	Draft	2020-05-2
Mechanical_YNI_CoverAsm.CATProduct	0000000056.CATPR...	A.1	In Work	2020-05-2

BOM Management

Step 15: Confirm Publishing to SAP

- Click Process TAB
- Click Actions menu
- Select Add roles option
- Select role... named: Operational CM group
- Click OK

The screenshot shows the Windchill interface for a Change Notice (CN0000038) in the 'Process' tab. The 'Members' section is active, and the 'Add Roles to Team' dialog is open. The dialog lists various organization roles, with 'Operational CM group' selected. The 'OK' button is highlighted.

Windchill rtemur Change Request Search ... Quick Links

Products > TRAINING Recently Accessed

Change Notice - CN0000038 Implementation

Details Implementation Plan **Process** History

Members | Tasks for Change Process | Routing/Process History | Discussions

Members Members By Role (53 objects)

Find in tree

Roles/Members ↑

Copy Paste Remove E-mail Expand Collapse Add Roles Add Members E-mail Team

Add Roles to Team

Select one or more Organization roles to add:

- Nonconformance Reuse Approver
- Nonconformance Reuser
- Nonconformance Reworker
- Nonconformance Scrapper
- Nonconformance Vendor
- Observer
- OEM
- Operational CM group**
- Optical Team Lead
- OpticalEngineer
- Option Manager
- Organization Administrator
- Organization Leader
- Owner
- Package Approver
- Package Contributor

Clear

Or add one or more team specific roles (comma separated):

OK Cancel

javascript:var abc = doNothing() Cost Planning

BOM Management

Step 15: Confirm Publishing to SAP

- Select Add participant
- Type your user name
- Click Search
- Click OK

The screenshot shows the Windchill interface for a Change Notice (CN0000038). The 'Members' list is displayed, and the 'Operational CM group' is selected. The 'Find Participant' dialog box is open, allowing the user to search for a participant. The 'User Name' field is filled with 'rtemur', and the 'Search' button is highlighted. The search results show 'Roberto Temur (rtemur: Magna Electronics)'. The 'Assign to Role' dropdown is set to 'Operational CM group'. The 'OK' button is highlighted at the bottom of the dialog.

Roles/Members	Status	Description	Phone
LeadSystemEngineer			
Roberto Temur			
Operational CM group			
Problem Report Author			
Program Controller			
Roberto Temur			
Program Manager			
Roberto Temur			
Program Manager			
Roberto Temur			
Promoter			
Sales			
Roberto Temur			
SoftwareQualityEngineer			
Roberto Temur			
Submitter			

Find Participant

Search for: User

Search In: Context

Full Name:

User Name:

Email:

Organization Name:

Search Results:
Roberto Temur (rtemur: Magna Electronics)

Assign to Role:

Participant List:
Roberto Temur (rtemur: Magna Electronics)

BOM Management

Step 15: Confirm Publishing to SAP

- Click Home icon
- Select the Task: Operational CM group Role
- Open Task
- Complete Task

The screenshot displays the Windchill user interface. At the top, there are navigation tabs for 'Tasks', 'Updates', and 'Checked-Out Work'. Below this, a 'My Tasks' section shows a list of tasks. One task, 'Operational CM group Role need to be filled in', is highlighted with a red box. The task details are shown in a sidebar, including the subject 'Change Notice - CN0000038,CN3_YNI' and the role 'Program Man'. The 'General' section lists various attributes such as 'Subject', 'Instructions', 'Process', 'Process Initiator', 'Process Initiated On', 'Assignee', 'Role', 'Priority', 'Deadline', and 'Status'. The 'Inputs' section contains a 'Comments' field. At the bottom right, there are buttons for 'Save' and 'Complete Task', with the latter highlighted by a red box.

Tasks | Updates | Checked-Out Work

My Tasks Open (1 objects)

Search in table

Name ↑	Subject	Role
Operational CM group Role need to be filled in	Change Notice - CN0000038,CN3_YNI	Program Man

windchill rtemur

Change Request Search ... Quick Links

Products > TRAINING > Tasks

Task - Magna Change Notice Workflow_CN0000038-Operational CM group Role need to be filled in

Implementation

Details Related

Attributes

General

Subject: Change Notice - CN0000038,CN3_YNI

Instructions: Roles that need to have any user assigned:
Operational CM group

Process: Magna Change Notice Workflow_CN0000038-CN3_YNI

Process Initiator: Roberto Temur

Process Initiated On: 2020-05-21 13:26 EDT

Assignee: Roberto Temur

Role: Program Manager

Priority: Highest

Deadline:

Status: Potential

Inputs

Comments:

Save Complete Task

BOM Management

Step 15: Confirm Publishing to SAP

- New task is generated
- Click task Name to open : Confirm Ready to Publish to SAP

The screenshot displays the Windchill user interface. At the top, the 'windchill' logo and user name 'rtemur' are visible. There are navigation elements like 'Change Request', a search bar, and 'Quick Links'. The main area is divided into 'My Tasks' and 'Updates' sections. The 'My Tasks' section shows a single task: 'Confirm Ready to Publish to SAP', which is highlighted with a red box. The 'Updates' section shows a list of 15 objects with columns for Name, Number, Version, State, and Last Modified.

Name	Number	Version	State	Last Modified
FinalAssembly_YNI_Changed	GP000011002	01.5 (Holly)	Draft	2020-05-2
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Draft	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Draft	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Draft	2020-05-2
CN3_YNI	CN0000038		Implementation	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2
AsmCustDWG_YNI_DashCamAsm	RO000011301	01.1 (Engineering)	Draft	2020-05-2
Mechanical_YNI_CoverAsm.CATProduct	0000000056.CATPR...	A.1	In Work	2020-05-2

BOM Management

Step 15: Confirm Publishing to SAP

- Click on
- Review Resulting Objects on all task: Use Subject Link
- Enter Comments
- Select Ready as disposition
- Click Complete Task

The screenshot displays the Windchill user interface for a task. At the top, the Windchill logo and user name 'rtemur' are visible. A navigation breadcrumb shows 'Products > TRAINING > Tasks'. The task title is 'Task - Magna Change Notice Workflow_CN0000038-Confirm Ready to Publish to SAP'. The 'Related' tab is selected, showing task attributes and inputs. The 'Attributes' section lists details such as Subject, Instructions, Process, Process Initiator, Process Initiated On, Assignee, Role, Priority, Deadline, and Status. The 'Inputs' section contains a 'Comments' field with the text 'Ready to Publish updated BOMs to SAP' and 'Routing Options' with the 'Ready' radio button selected. At the bottom right, 'Save' and 'Complete Task' buttons are present, with 'Complete Task' highlighted by a red box.

windchill® rtemur Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Actions Task - Magna Change Notice Workflow_CN0000038-Confirm Ready to Publish to SAP Implementation ?

Details Related

Attributes

Subject: Change Notice - CN0000038,CN3_YNI

Instructions: Review each Resulting Object for correctness to publish to SAP.
This includes confirming that components have BOM and routing information as needed.
If data is not ready, enter Comments and select "Not Ready"

Process: Magna Change Notice Workflow_CN0000038-CN3_YNI

Process Initiator: Roberto Temur

Process Initiated On: 2020-05-21 13:26 EDT

Assignee: Roberto Temur

Role: Operational CM group

Priority: Highest

Deadline:

Status: Potential

Inputs

Comments: Ready to Publish updated BOMs to SAP

Routing Options: Ready Not Ready

Save Complete Task

Search | Browse Navigator

BOM Management

Step 15: Confirm Publishing to SAP

- Note: Process Complete – No pending tasks
- Note: CN Resolved
- Click View Information for FinalAssembly_YNI Changed (Holly)

The screenshot shows the Windchill BOM Management interface. The user is logged in as 'rtemur'. The top navigation bar includes 'Change Request', a search field, and 'Quick Links'. The main content area is divided into 'Tasks' and 'Updates' sections. The 'My Tasks' section is currently empty (0 objects). The 'Updates' section shows 15 objects. A table lists the updates, with the first row, 'CN3_YNI', highlighted in orange. This row is circled in red. The 'FinalAssembly_YNI_Changed' row is also circled in red. The 'View Information' icon (an 'i' in a circle) for the 'FinalAssembly_YNI_Changed' row is also circled in red.

Name	Number	Version	State	Last Modified
CN3_YNI	CN0000038		Resolved	2020-05-2
FinalAssembly_YNI_Changed	GP000011002	01.5 (Holly)	Production	2020-05-2
Packaging_YNI_Changed	VE000011102	01.1 (Holly)	Production	2020-05-2
Mechanical_YNI_CoverAsm	RO000011201	01.2 (Engineering)	Draft	2020-05-2
ManufAsm_YNI	RO000011401	01.1 (Holly)	Draft	2020-05-2
Hardware_YNI_Changed	RO000010702	01.2 (Engineering)	Production	2020-05-2
FinalAssembly_YNI_Changed	GP000010902	01.1 (Engineering)	Production	2020-05-2
AsmCustDWG_YNI_DashCamAsm.CATProd...	0000000057.CATPR...	A.1	In Work	2020-05-2
AsmCustDWG_YNI_DashCamAsm	RO000011301	01.1 (Engineering)	Draft	2020-05-2
Mechanical_YNI_CoverAsm.CATProduct	0000000056.CATPR...	A.1	In Work	2020-05-2
CN1_YNI	CN0000037		Resolved	2020-05-2
Packaging_YNI	VE000011101	01.1 (Holly)	Production	2020-05-2

BOM Management

Step 15: Confirm Publishing to SAP

- Select Structure Tab (if needed)
- Note: All components are released to Production
- This completes the release process

The screenshot displays the Windchill BOM Management interface for a product named "Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.5 (Holly)". The "Structure" tab is selected, showing a tree view of components. A red box highlights the entire structure tree, which includes the parent assembly and its sub-components. The "Classification" tab is also visible, showing the part's state as "Production -", which is also highlighted with a red box. The "Part Attributes" section on the right provides details about the part, including its number, name, version, and status.

Windchill rtemur Change Request Search ... Quick Links

Products > TRAINING > CN1 Recently Accessed

Actions Final Assembly - GP000011002, FinalAssembly_YNI_Changed, 01.5 (Holly) Production ?

Details **Structure** Related Objects Changes History Where Used Traceability AML/AVL

Editing Check Out/In Clipboard Viewing New/Add To

Insert Existing Remove Check Out Revise Insert New Edit Check In My Checkouts Paste Copy Show Views Hide Display New Add to

Find in Structure All Advanced

Identity

- GP000011002, FinalAssembly_YNI_Changed, 01.5 (Holly)
- 000000108, Software_YNI, A.1 (Engineering)
- RO000010702, Hardware_YNI_Changed, 01.2 (Engineering)
 - RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)
 - RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)
 - RO000011201, Mechanical_YNI_CoverAsm, 01.2 (Engineering)
- VE000011102, Packaging_YNI_Changed, 01.1 (Holly)

(7 objects)

Attributes **Classification** Visualization Uses

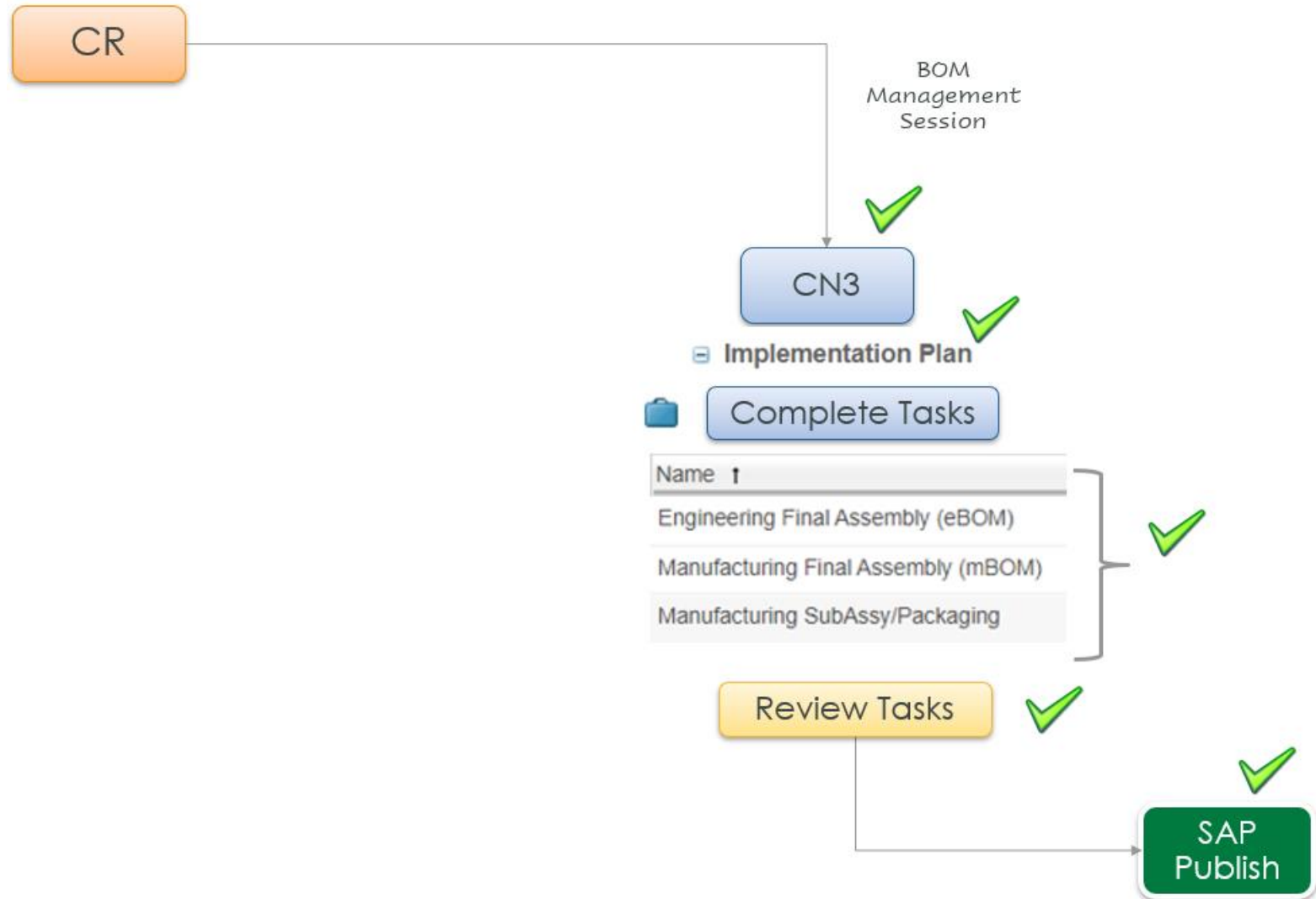
Part Attributes

Number: GP000011002
Name: FinalAssembly_YNI_Changed
Version: 01.5 (Holly)
State: Draft - Development - Under Review - Prototype - DV Intent **Production -** Obsolete - Canceled
Status: Checked in
Modified By: Roberto Temur
Last Modified: 2020-05-21 15:30 EDT
Weight:
CN Number:
Customer Part Number:
mePartViewDriver:

BOM Management

All Tasks Completed:

1. Validate Prerequisites
2. Create new CN
3. Setup CN Participants
4. eBOM CN Task
 - Update existing eBOM
 - Update Hardware
 - Complete eBOM Task
5. mBOM CN Task
 - Update existing mBOM
 - Replace Hardware 01>02
 - Create Phantom ASM
 - Create Equivalent Links
 - Complete mBOM Task
6. Packaging Task
 - Update existing Package
 - Replace Package 01>02
 - Complete Packaging Task
7. Complete Review Tasks
8. Publish to SAP



This concludes the Exercise