

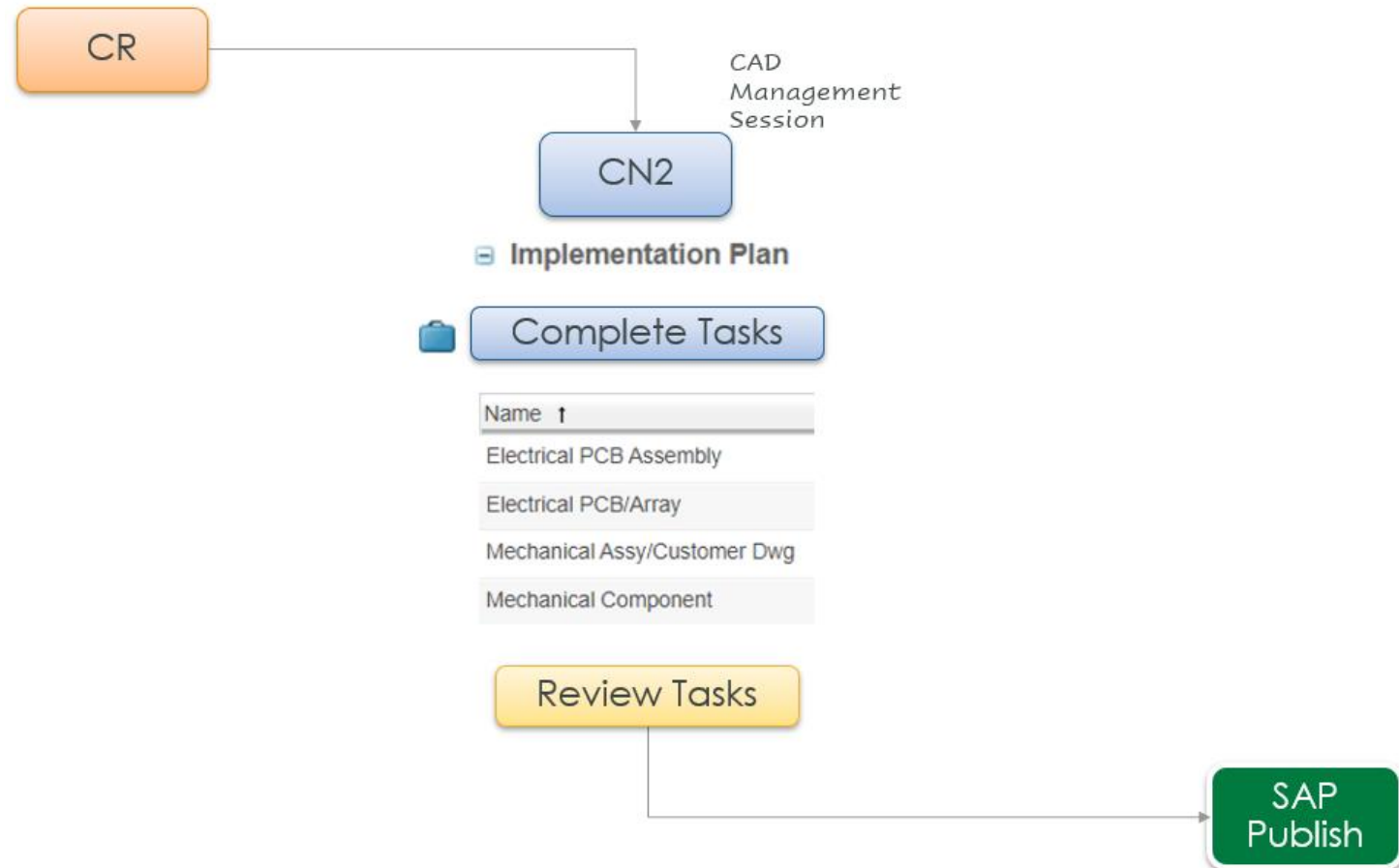
CAD Management

Agenda:

1. Validate existing CR
2. Create New CN
3. Setup CN Participants
4. Create ECAD Design
5. Complete PCM.Asm Task
6. Complete PCB Task
7. Create MCAD Component and Complete Task
8. Create AsmDwg and Complete Task
9. Complete Review Tasks
10. Publish to SAP

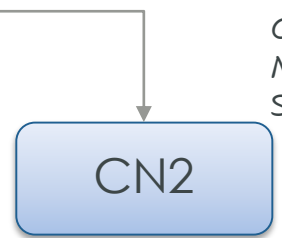
Exercise Scenario

Scenario: In this session a new Change Notice is created based on existing CR with only Mechanical and Electrical tasks on the Implementation Plan. Upon completion of these tasks ECAD and MCAD designs are created and released to Production.



CAD Management

Validate Existing CR



CAD Management Session

Implementation Plan



Name ↑
Electrical PCB Assembly
Electrical PCB/Array
Mechanical Assy/Customer Dwg
Mechanical Component



CAD Management

Step 1: Validating Existing CR

Browse to Training Product and view Folder Contents page:

- Click Browse from Navigator
- Click Products
- Click TRAINING/Folders

Change Folder Content Filter to Change Objects:

- Click Folder Contents Filter
- Select Change Objects

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. A search bar and 'Quick Links' are on the right. The breadcrumb path 'Products > TRAINING' is highlighted with a red box. Below this, the 'Product - TRAINING' page is shown. The 'Folders' section (9 objects) lists: TRAINING, 0 - Documents, 1 - Final Assemblies, 2 - Parts and Sub-Assemblies, 3 - Changes and Promotions, CN1, CN2, CN2_MCAD, and CN3. The 'Folder Contents' section (21 objects) is open, showing a view dropdown menu with 'Change Objects' selected and highlighted with a red box. The table below lists various objects, including CAD Documents, Configurable Modules, and various test files.

Change Request [v] Search [v] Quick Links [v]

Products > TRAINING

Recently Accessed [v]

Actions [v] Product - TRAINING

Folders (9 objects)

Search in selected folder [v]

Name
TRAINING
0 - Documents
1 - Final Assemblies
2 - Parts and Sub-Assemblies
3 - Changes and Promotions
CN1
CN2
CN2_MCAD
CN3

Folder Contents All (21 objects)

- Pick a View -

- All
- By Owner
- CAD Documents
- Change Objects
- Configurable Modules
- Contents
- Created or Modified By Me
- Discussed
- Documents
- Dynamic Documents
- Folders
- In Work
- Last Modified
- Links
- Manufacturing Resources
- Module Variants
- Not Released

Search in table [v]

Name
CN2
CN3
1 - Final Assemblies
0 - Documents
3 - Changes and Promotions
2 - Parts and Sub-Assemblies
PCBAsm-20200518200403.3
FinalAssembly_Test02
Software_Test01
Packaging_Test02
Packaging_Test01
FinalAssembly_Test01
FinalAssembly_Test02
FinalAssembly_Test01
Software_Test02
Software_Test01

(0 objects selected)

CAD Management

Step 1: Validating Existing CR

- Validate you have your CR_YourNameInitials_TRN for the Change Management System
- If you don't have your CR you will use instructor CR ...shown here
- Write down CR number

The screenshot shows the Windchill interface for a product named "TRAINING". The left sidebar contains a "Navigator" with "Search | Browse" and a "Folders" pane showing a tree structure: TRAINING (selected), 0 - Documents, 1 - Final Assemblies, 2 - Parts and Sub-Assemblies, and 3 - Changes and Promotions. The main area displays "Folder Contents" for the selected folder, showing a table of objects. The table has columns for "Number", "Name", "Version", and "State". Two rows are visible: one for "CN0000249" with name "CN1_YNI_TRN" and state "Resolved", and another for "CR0000444" with name "CR_YNI_TRN" and state "Resolved". The second row is highlighted with a red box. An arrow points from the text "shown here" in the instructions to this row. The top of the interface shows the Windchill logo, user "rtemur", a production notice "PRODUCTION Windchill rehost dated 1-June-2020", a search bar, and "Quick Links".

Number	Name	Version	State
CN0000249	CN1_YNI_TRN		Resolved
CR0000444	CR_YNI_TRN		Resolved

CAD Management

Step 1: Validating Existing CR

Change the Folder Contents Filter back to All:

- Click Folder Contents Filter
- Select All Option

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. A search bar and 'Change Request' dropdown are also present. The main area is divided into two panels: 'Folders' and 'Folder Contents'.

Folders Panel: Shows a tree view of folders under 'Products > TRAINING'. The 'TRAINING' folder is selected, showing sub-folders: '0 - Documents', '1 - Final Assemblies', '2 - Parts and Sub-Assemblies', '3 - Changes and Promotions', 'CN1', 'CN2', 'CN2_MCAD', and 'CN3'.

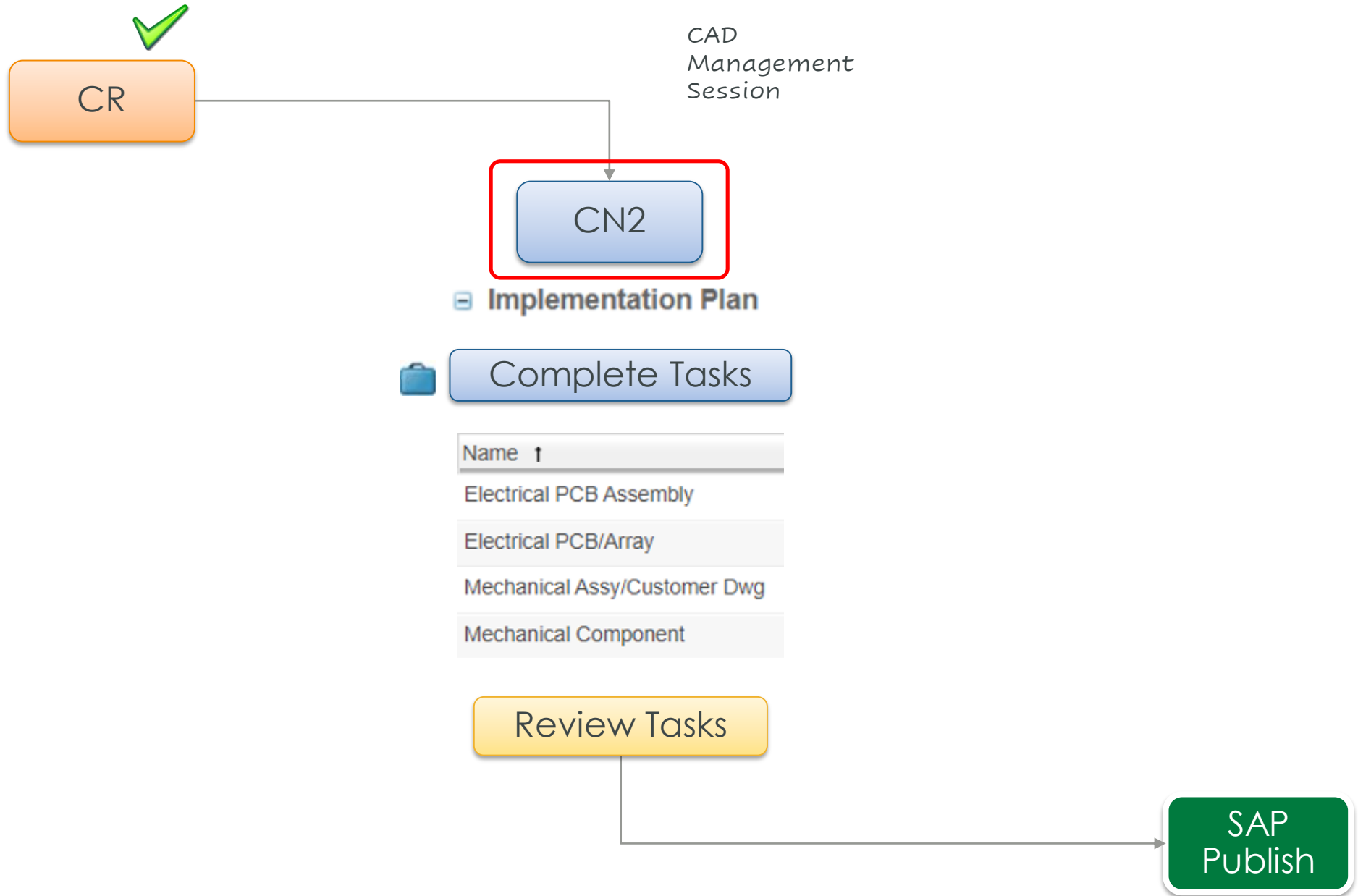
Folder Contents Panel: Shows a table of objects. A dropdown menu is open over the 'Change Objects' filter, with 'All' selected. The table has columns for Name and Version. The following table represents the data shown in the screenshot:

Name	Version
...	...
..._YNI_TRN	...
...Where_Used	...
...Test02_TRN	...
...Test01_TRN	...
...YNI_TRN	...
..._YNI	...
..._YNI	...
...Where_Used	...
...Test02_TRN	...
...Test01_TRN	...
..._YNI_TRN	...
CN0000021	CN2_YNI_TRN
CN0000001	CN_YNI_TRN

At the bottom of the Folder Contents panel, it indicates '(0 objects selected)'.

CAD Management

Create New Change Notice



CAD Management

Step2: Create New Change Notice

- Search for your previous CR created during CM class named CR_YourNameInitials_TRN
- If you don't have your own CR use the instructor CR named: CR_YNI_TRN

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'remur' are visible. A search bar contains 'Change Request' and a dropdown menu shows 'CR_YNI_TRN'. The breadcrumb navigation shows 'Products > TRAINING'. The main content area displays the details for a Change Request with ID 'CR0000001'. The 'Process' tab is active, showing fields for Name, Category, Change Admin, Description, Proposed Solution, and Delta Piece Cost. Below this, the 'Justification' section shows Recurring and Nonrecurring costs. The 'Business Attributes' section contains a table with various attributes and their values.

Windchill remur

Change Request CR_YNI_TRN

Products > TRAINING

Change Request - CR0000001

Resolved

Details Process History

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	PDP Gate			

CAD Management

Step2: Create New Change Notice

- Navigate to the existing CR
- Click Actions menu
- Select New option
- Select New Change Notice option

The screenshot shows the Windchill CAD Management interface. At the top, the user is logged in as 'rtmur'. The current page is 'Change Request - CR0000001', which is in a 'Resolved' state. The breadcrumb path is 'Products > TRAINING'. The 'Actions' menu is open, and the 'New' option is selected, which has opened a sub-menu where 'New Change Notice' is highlighted. Other options in the 'Actions' menu include Edit, View Related Tasks, Copy, Move, Rename, Set State, Delete, Reassign Life Cycles, Reset Team, Add to, Edit Access Control, Subscribe, Track New Work, and New Activity. The sub-menu options are New Change Notice, New Problem Report, New Defect, New Variance, and New Review. Below the menu, there are sections for 'Affected Objects', 'Affected End Items', and 'Associated Process'. At the bottom, there is a table of key dates and information for the change request.

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

CAD Management

Step2: Create New Change Notice

- Make sure Propagate is Selected
- Enter name as: CN2_YNI_TRN
- Enter/Add to Description as needed (skip this step for 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: CN2_YNI_TRN

Description:

description

* Indicates required fields.

Back

Next

Finish

Cancel

CAD Management

Step2: Create New Change Notice

- Enter CN Completion target date
- Fill in all other necessary Magna attributes (skip this for TRN)
- Click Next button

New Change Notice

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

Describe the Change Request here...

Magna Details

Project Number: 000001

Origin: Internal - Engineering

Reimbursement: Customer Paid

* CN Completion Target: 2020-05-21 yyyy-mm-dd

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

* Magna Build Target: 2020-05-12 yyyy-mm-dd

Reason for Date Change:

Customer PO:

ED&T PO:

Tooling PO:

* Indicates required fields.

Back

Next

Finish

Cancel

CAD Management

Step2: Create New Change Notice

- Select all tasks except:
 - Electrical PCB Assembly
 - Electrical PCB Array
 - Mechanical Assy/Customer DWG
 - Mechanical Component
- 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 type="checkbox"/>	(Generated)	Electrical PCB Assembly				
<input type="checkbox"/>	(Generated)	Electrical PCB/Array				
<input checked="" type="checkbox"/>	(Generated)	Engineering Final Assembly (eBOM)				
<input checked="" type="checkbox"/>	(Generated)	Hardware Assembly				
<input checked="" type="checkbox"/>	(Generated)	Manufacturing Final Assembly (mBOM)				
<input checked="" type="checkbox"/>	(Generated)	Manufacturing SubAssy/Packaging				
<input type="checkbox"/>	(Generated)	Mechanical Assy/Customer Dwg				
<input 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 (4 objects)

	Number	Name ↑	State	Assignee	Reviewer
<input type="checkbox"/>	(Generated)	Electrical PCB Assembly			
<input type="checkbox"/>	(Generated)	Electrical PCB/Array			
<input type="checkbox"/>	(Generated)	Mechanical Assy/Customer Dwg			
<input type="checkbox"/>	(Generated)	Mechanical Component			

Back

Next

Finish

Cancel

CAD Management

Step2: Create New Change Notice

- Click Next for Set Attachments step
- Click Finish for Select Associations step

New Change Notice ?

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

Attachments (0 objects)

?

<input type="checkbox"/>	*Label or File Name	*URL/External Location
--------------------------	---------------------	------------------------

(0 objects selected)

New Change Notice ?

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

Associated Process Objects All

Search in table ?

<input type="checkbox"/>	Identity ↑	Name	Category
<input type="checkbox"/>	CR0000001	CR_YNI_TRN	

(0 objects selected)

Associated Reference Objects All

Search in table ?

<input type="checkbox"/>	Identity ↑	Name	Category
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(0 objects selected)

CAD Management

Step2: Create New Change Notice

- Click Submit now button

New Change Notice

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

Associated Process Objects All (1 objects)

Identity ↑	Name	Category	Priority	State	Need Date	Complexi
CR0000001	CR_YNI_TRN			Resolved		

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

Associated Reference (0 objects)

Back Next Finish Cancel

CAD Management

Step2: Create New Change Notice

- Note the confirmation CN created successful
- Write down your CN2_YNI_TRN number for later use

The screenshot displays the Windchill interface. At the top, a green confirmation banner reads: "CONFIRMATION: Create successful. The object was created successfully." Below this, a "Change Notice - CN0000032" is highlighted with a red box. The main content area shows the "Change Request - CR0000001" page, which is in a "Resolved" state. The page has tabs for "Details", "Process", and "History". A navigation bar includes links for "Attributes", "More Attributes", "Attachments", "Annotations", "Affected Objects", "Affected End Items", "Associated Process Objects", and "Associated Reference Objects".

The "Attributes" section is expanded, showing the following details:

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

The "Justification" section is also expanded, showing:

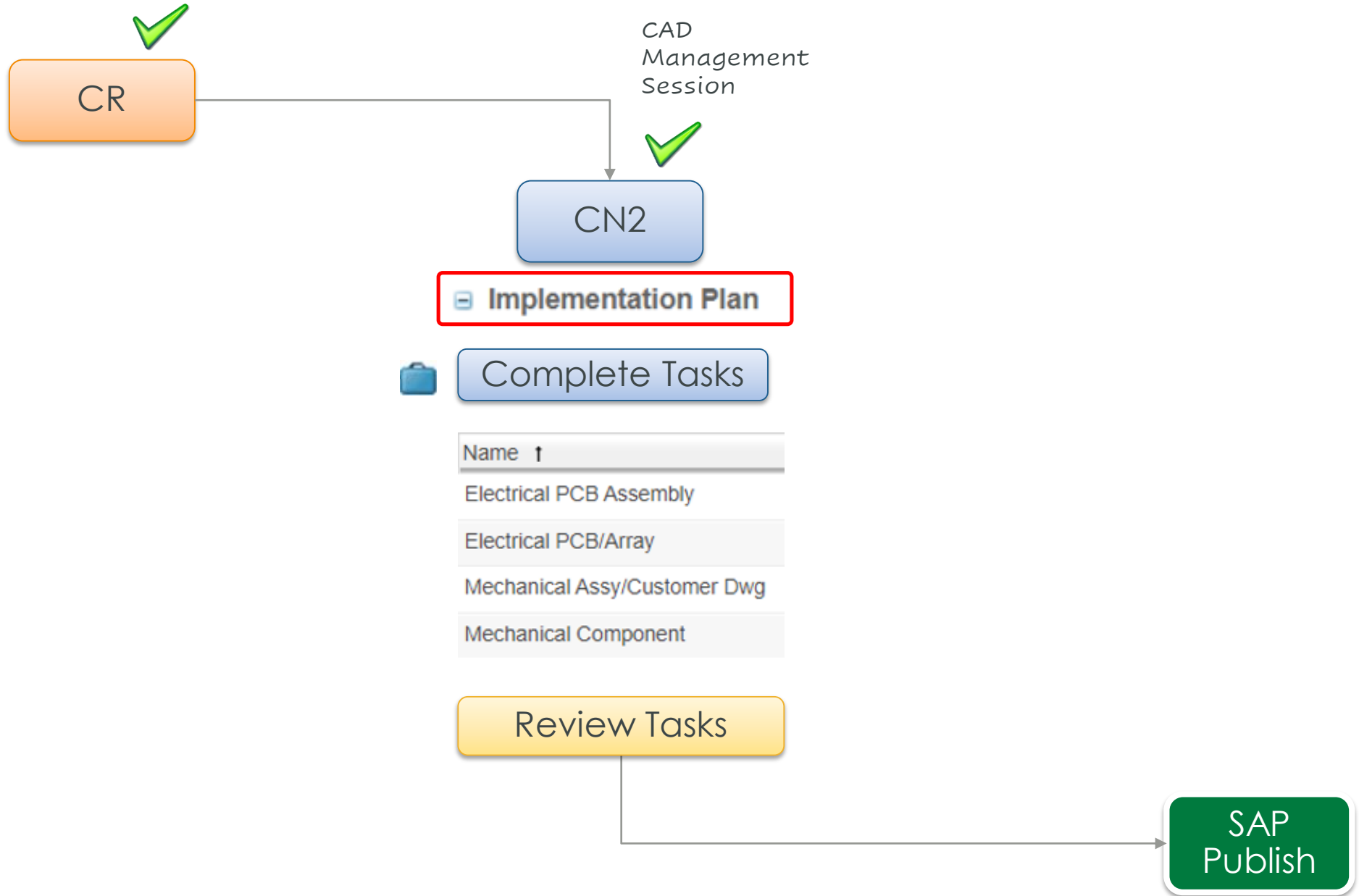
- Recurring Cost:**
- Nonrecurring Cost:**

The "Business Attributes" section is expanded, displaying a table of key dates and 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:	Consolidated	Nature of Change:	Customer: Training	PDP Gate:			

CAD Management

Setup
Change
Notice
Participants



CAD Management

Step3: Setup Change Notice Participants

- Click Home Icon to refresh page
- See My Tasks
- New Tasks are Generated
- Click the task name to open: Set Assignee & Reviewer task for Mechanical Component

The screenshot displays the Windchill CAD Management interface. At the top left, a home icon is highlighted with a red box. The main navigation bar includes 'Tasks | Updates | Checked-Out Work' and a 'Customize' dropdown. Below this is a 'My Tasks' section with an 'Open' dropdown and '(5 objects)' text. A table lists tasks, with the first row 'Set Assignee & Reviewer' highlighted in red. The task details view for 'Magna Change Task - CT0000043, Mechanical Component' is shown, featuring a yellow warning banner, a breadcrumb trail 'Products > TRAINING > Tasks', and tabs for 'Details', 'Related', and 'Set Up Participants'. The 'Set Up Participants' tab is active, displaying task attributes such as Subject, Instructions, Process, Process Initiator, Process Initiated On, Assignee, Role, Priority, Deadline, and Status. A 'Comments' text area is located at the bottom of the details view. The interface also includes a 'Search | Browse' sidebar and a 'Navigator' at the bottom.

Name	Subject	Role	State
Set Assignee & Reviewer	Magna Change Task - CT0000043, Mechanical Component	LeadMechanicalEngineer	Implement
Set Assignee & Reviewer	windchill	rtemur	
Set Assignee & Reviewer			
Set Assignee & Reviewer			

Task - Magna Change Activity Workflow_CT0000043-Set Assignee & Reviewer

Attributes

General

Subject: Magna Change Task - CT0000043, Mechanical Component

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

Process: Magna Change Activity Workflow_CT0000043-Mechanical Component

Process Initiator: Roberto Temur

Process Initiated On: 2020-05-13 18:12 EDT

Assignee: Roberto Temur

Role: LeadMechanicalEngineer

Priority: Highest

Deadline:

Status: Potential

Inputs

Comments:

CAD Management

Step3: Setup Change Notice Participants

- Select Setup Participants TAB
- Make sure you are assigned as Assignee and Reviewer
- If you used Instructor CR your name will not be set as participant (see next slide how to change it)

The screenshot displays the Windchill CAD Management interface. At the top, the user is logged in as 'rtemur'. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. A yellow notification banner states: 'This is a 'Set Up Participants' task. Use the Set Up Participants tab to assign participants to different roles used in this process.' The main task title is 'Task - Magna Change Activity Workflow_CT0000043-Set Assignee & Reviewer'. The 'Set Up Participants' tab is highlighted with a red box. Below the tabs, the 'Attributes' section is visible, with 'Save' and 'Complete Task' buttons. The 'General' section contains the following details:

- Subject:** Magna Change Task - CT0000043.Mechanical Component
- Instructions:** Set an Assignee (to complete the task) and a Reviewer (to approve the work).
- Process:** Magna Change Activity Workflow_CT0000043-Mechanical Component
- Process Initiator:** Roberto Temur
- Process Initiated On:** 2020-05-13 18:12 EDT
- Assignee:** Roberto Temur
- Role:** Lead
- Priority:** High
- Deadline:**
- Status:** Potentially blocked

The 'Inputs' section has a 'Comments' field. A modal window titled 'Set Up Participants' is overlaid on the main interface. It shows a table with the following data:



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

The 'Roberto Temur' entries in the table are highlighted with red boxes. The modal window also includes a 'Find in tree' search box and navigation icons.

CAD Management

Step3: Setup Change Notice Participants

OPTIONAL STEP only when not assigned:

- Select Instructor for both roles
- Click Remove 
- Click Add Participants to add your name 
- Type your username
- Click Search
- Click OK
- Repeat last steps for Reviewer

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.



Actions Task - Magna Change Activity Workflow_CT0000043-Set Assignee & Reviewer

Details Related Set Up Participants

Set Up Participants

Set Up Participants

Find in tree

Roles/Members	Description
Assignee	Assignee role
<input checked="" type="checkbox"/> Roberto Temur	 Assignee role
Reviewer	Reviewer role
<input checked="" type="checkbox"/> Roberto Temur	 Reviewer role

Find Participant

Search for: User

Search In: Context

Full Name:

User Name:

Email:

Organization Name:

Search Results:

Assign to Role: Reviewer

Participant List:

CAD Management

Step3: Setup Change Notice Participants

- Select Details TAB
- Enter Comments as needed
- Click Complete Task

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains 'Change Request' and 'CR_YNI_TRN'. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. A yellow notification bar states: 'This is a 'Set Up Participants' task. Use the Set Up Participants tab to assign participants to different roles used in this process.' The main task title is 'Task - Magna Change Activity Workflow_CT0000043-Set Assignee & Reviewer'. Below the title are three tabs: 'Details' (highlighted with a red box), 'Related', and 'Set Up Participants'. The 'Attributes' section includes 'Save' and 'Complete Task' buttons. The 'General' section lists task details: Subject (Magna Change Task - CT0000043, Mechanical Component), Instructions (Set an Assignee and a Reviewer), Process (Magna Change Activity Workflow_CT0000043-Mechanical Component), Process Initiator (Roberto Temur), Process Initiated On (2020-05-13 18:12 EDT), Assignee (Roberto Temur), Role (LeadMechanicalEngineer), Priority (Highest), Deadline, and Status (Potential). The 'Inputs' section features a 'Comments:' label and a text input field (highlighted with a red box). At the bottom right, there are 'Save' and 'Complete Task' buttons, with the latter highlighted by a red box. A vertical sidebar on the left contains 'Search | Browse' and 'Navigator' labels.

CAD Management

Step3: Setup Change Notice Participants

Complete remaining Set Assignee & Reviewer Tasks in the same way:

- Open task
- Validate participants
- Replace Instructor with your name (only if needed)
- Go to Details
- Complete Task

Tasks | Updates | Checked-Out Work

My Tasks Open (5 objects)

Name	Subject	Role	State
Complete Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Assignee	Implement
Set Assignee & Reviewer	Magna Change Task - CT0000040,Electrical PCB Assembly	LeadElectricalEngineer	Implement
Set Assignee & Reviewer	Magna Change Task - CT0000042,Electrical PCB/Array	LeadElectricalEngineer	Implement
Set Assignee & Reviewer	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	LeadMechanicalEngineer	Implement

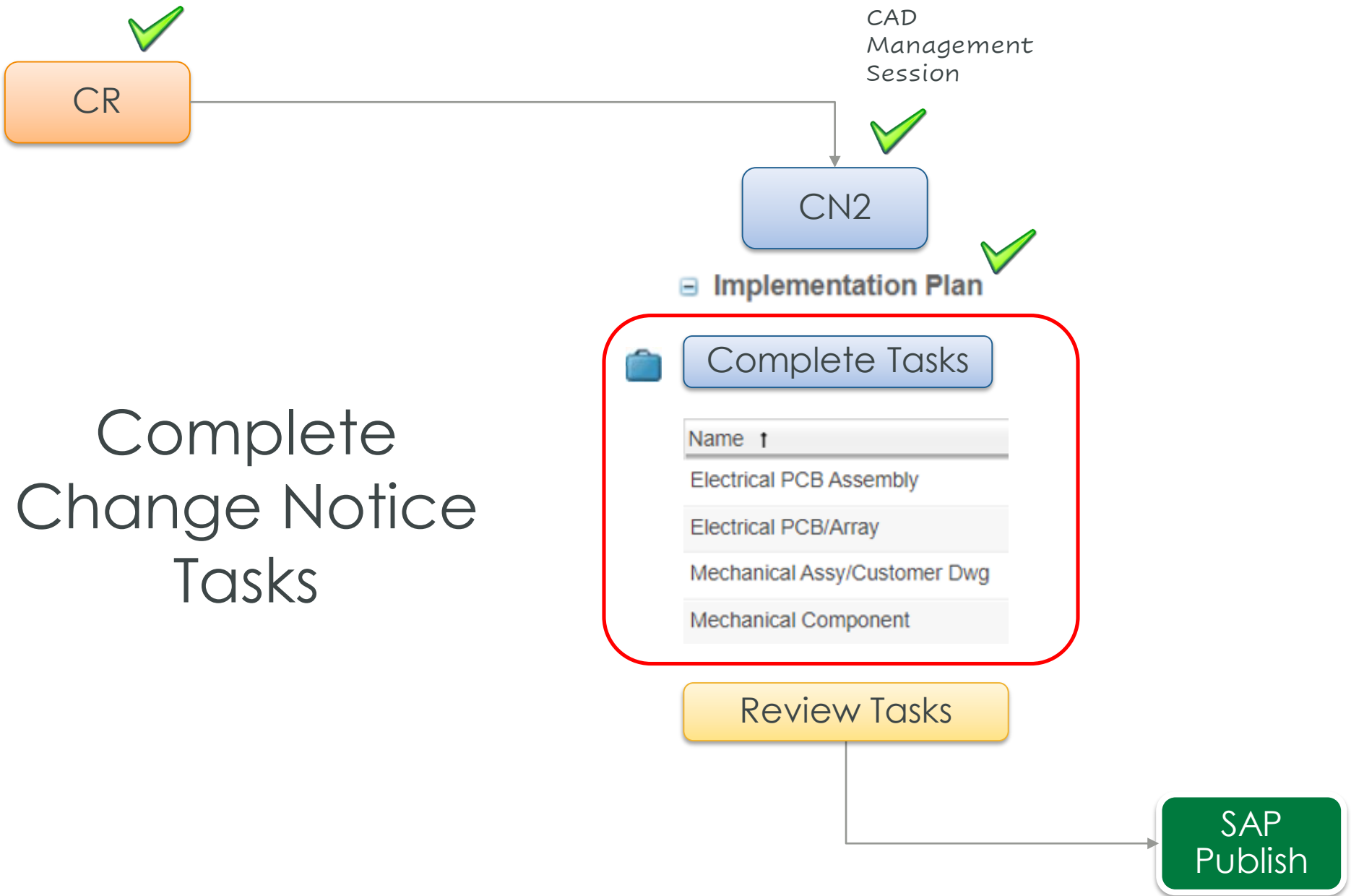


Tasks | Updates | Checked-Out Work

My Tasks Open (0 objects selected)

Name	Subject
Complete Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array
Complete Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg
Complete Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly
Complete Change Notice Task	Magna Change Task - CT0000043,Mechanical Component

CAD Management



Complete Change Notice Tasks

CAD Management

Create ECAD Design and Variants



Complete Change Notice Task



- Electrical PCB Assembly
 - Electrical 01
- Electrical PCB/Array
 - PCB 01
- Mechanical Component
 - Mechanical 01
- Mechanical Assy/Cust DWG
 - DWG 01

CAD Management

Step4: Create ECAD Design and Variants

- Click Home Page to refresh page to See My Tasks:
- New tasks are generated for:
 1. Electrical PCB Assembly
 2. Electrical PCB/Array
 3. Mechanical Component
 4. Mechanical Assy/ Customer Dwg

The screenshot displays the Windchill user interface for a user named 'remur'. The top navigation bar includes 'Change Request' (set to 'CR_YNI_TRN') and 'Quick Links'. The main content area is divided into 'My Tasks' and 'Updates' sections.

My Tasks Section: Shows a list of 5 objects. The table below highlights the second and third rows with red boxes.

Name	Subject	Role	State
Complete Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Assignee	Implem
Complete Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Assignee	Implem
Complete Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly	Assignee	Implem
Complete Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Assignee	Implem

Updates Section: Shows a list of 15 objects. The table below lists the updates.

Name	Number	Version	State	Last Modified
CN3_YNI_TRN	CN0000032		Implementation	2020-05-13 1
CR_Where_Used	CN0000028		Implementation	2020-05-11 1
CR_Where_Used	CR0000044		Implementation	2020-05-11 1
PR2_TRN	000002		Running	2020-05-11 1
FA2_TRN	GP000006601	01.2 (Engineering)	Draft	2020-05-11 1
Hardware2Change_TRN	RO000006701	01.1 (Engineering)	Draft	2020-05-11 1
Final_Assembly_YNI_Changed_Twiced	GP000003803	01.1 (Holly)	Draft	2020-05-11 1
CN2_YNI_TRN	CN0000021		Resolved	2020-05-08 1
Final_Assembly_YNI_Changed	GP000003802	01.5 (Holly)	Production	2020-05-08 1
Packaging_YNI_Changed	VE000004302	01.1 (Holly)	Production	2020-05-08 1

CAD Management

Step4: Create ECAD Design and Variants

First we will create ECAD design

- Browse to folder: TRAINING/Part and Sub-Assemblies/Electrical/ECAD/TRN
- Click View Information Icon for PCB.Asm part



The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user 'itemur' are visible. A search bar and 'Change Request' dropdown are on the right. The breadcrumb path is 'Products > TRAINING > 2 - Parts and Sub-Assemblies'. The left pane shows a folder tree with '2 - Parts and Sub-Assemblies' and 'Electrical' highlighted. The right pane shows a table of folder contents with 'PCB.Asm' highlighted in red.

Windchill
itemur
Change Request
Search ...
Quick Links

Products > TRAINING > 2 - Parts and Sub-Assemblies
Recently Accessed

Actions Folder - Electrical

Folders (10 objects)
Search in selected folder

Name	Number	Name	Version
TRAINING		ECAD	
0 - Documents		PCB.Asm	01.2 (Engine)
1 - Final Assemblies		Variant_PCB.Asm	01.1 (Engine)
2 - Parts and Sub-Assemblies		PCB	01.1 (Engine)
Electrical		Variant_PCBA	A.1
ECAD		PCBA	A.1
Manufacturing Parts		FAB	A.1
Mechanical			
Software			
3 - Changes and Promotions			

Folder Contents All (7 objects)
Search in table

Number	Name	Version
	ECAD	
RO000009701	PCB.Asm	01.2 (Engine)
RO000009801	Variant_PCB.Asm	01.1 (Engine)
RO000009901	PCB	01.1 (Engine)
0000000036	Variant_PCBA	A.1
0000000035	PCBA	A.1
0000000038	FAB	A.1

(0 objects selected)

Search | Browse
Navigator

CAD Management

Step4: Create ECAD Design and Variants

- Select Structure TAB
- Click Display /Select All
- Click Show /CAD Documents
- Click Actions menu
- Select Save As Option

The screenshot displays the Windchill CAD Management interface. At the top, the user is logged in as 'rtetur'. The main header shows 'Change Request' and a search bar. The breadcrumb trail indicates the current location is 'Electrical'. The main title is '1, PCB.Asm, 01.2 (Engineering)' with a 'Draft' status.

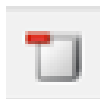
The interface is divided into several sections:

- Actions Menu:** A dropdown menu is open, showing options like 'Check In', 'Check Out', 'Undo Checkout', 'Edit', 'Edit Common Attributes', 'New', 'Copy', 'Save As', and 'New Sequence'. The 'Actions' dropdown and 'Save As' option are highlighted with red boxes.
- Structure Navigator:** A tree view on the left shows the product structure. The root is 'RO000009701, PCB.Asm, 01.2 (Engineering)'. It contains sub-objects like 'PCBA-RO000004001__ A.1', 'RO000009901, PCB, 01.1 (Engineering)', and 'FAB-RO000003901__ A.1'. Below this, a list of components is shown, including various resistors (RES) with their values and tolerances. The total count is '(36 objects)'.
- Part Attributes Panel:** On the right, the 'Part Attributes' panel is visible. It shows the following information:
 - Number:** RO000009701
 - Name:** PCB.Asm
 - Version:** 01.2 (Engineering)
 - State:** Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
 - Status:** Checked in
 - Modified By:** Roberto Temur
 - Last Modified:** 2020-05-18 16:20 EDT
 - Weight:**
 - Sync to Nexus:** No

CAD Management

Step4: Create ECAD Design and Variants

- Click Dependents and select All option
- Select All dependents except PCB.Asm and PCB
- Click Remove icon



Commonspace Save As

Current Settings: No dependents, Latest : Engineering, Working

Save As As a List Default (1 of 1 objects)

Dependents

Number	New Number	File N...	New File N...	All	New Name
RO000009701	(Generated)			<input checked="" type="radio"/>	PCB_Asm

(0 objects selected)

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (34 of 34 objects)

Remove icon

Number	New Number	File N...	New File N...	Name ↓	New Name
RO005114301	(Generated)			RES_0402,15K,1%	RES_0402,15K,1%
RO005044301	(Generated)			RES_0402,10K,5%	RES_0402,10K,5%
RO005044101	(Generated)			RES_0402,0 OHM,5%	RES_0402,0 OHM,5%
RO000009701	(Generated)			PCB.Asm	PCB_Asm
RO000009901	(Generated)			PCB	PCB
RO006334301	(Generated)			IC,LFBGA159,SWITC...	IC,LFBGA159,SWITCH,ETHERNET,Gb
RO005781501	(Generated)			DIODE,STD,SOT323,...	DIODE,STD,SOT323,75V,DUAL

CAD Management

Step4: Create ECAD Design and Variants

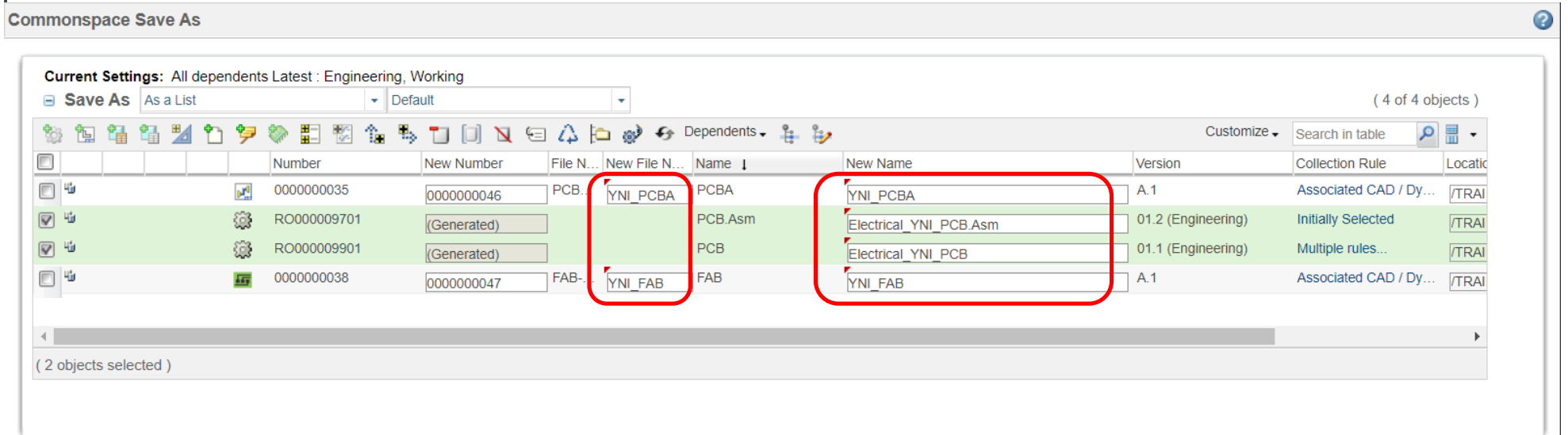
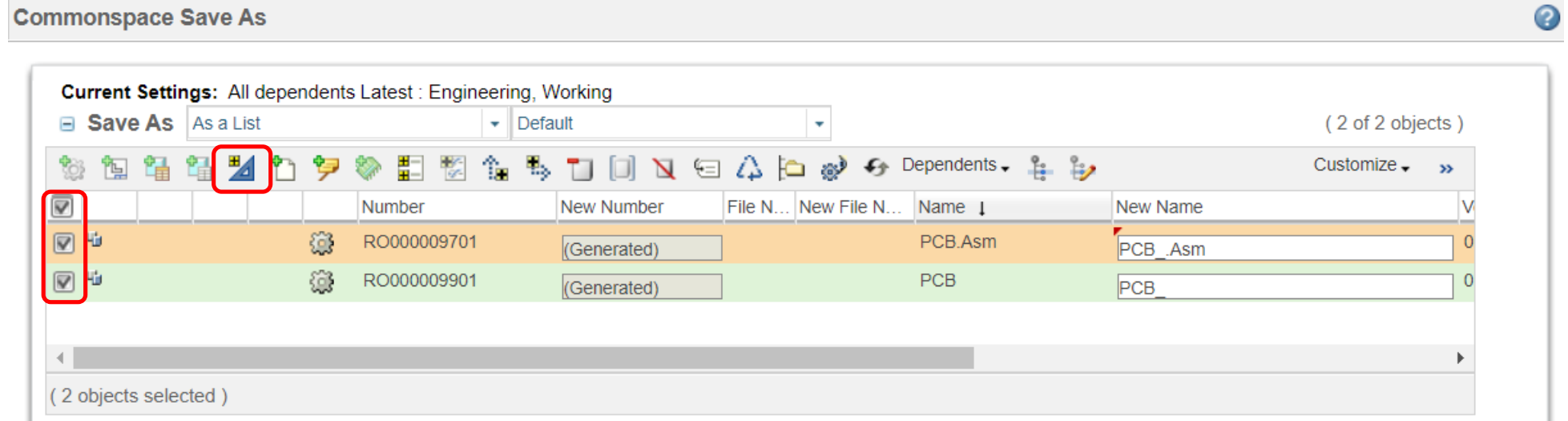
- Select All objects and click CAD Icon 

- Change the names of parts such as:
Electrical_YNI_PCB.Asm
Electrical_YNI_PCB

- Change the names of CAD docs:
YNI_PCBA
YNI_FAB

- Change File name as shown

- Go next slide....



*Indicates required fields

OK Cancel

CAD Management

Step4: Create ECAD Design and Variants

- Select All objects
- Click Set Location icon



- Select folder 2-Parts and Sub-Assemblies/Electrical
- Click OK
- Click OK

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (4 of 4 objects)

		Number	New Number	File Name	New File Name	Name	New Name	Version	Collection Rule
<input checked="" type="checkbox"/>		0000000628	0000000649	0000000628	YNI_FAB	PCB	YNI_FAB	A.1	Board
<input checked="" type="checkbox"/>		0000000627	0000000650	0000000627	YNI_PCBA	PCB.Asm	YNI_PCBA	A.1	Multiple rules...
<input checked="" type="checkbox"/>		RO000066601	(Generated)			PCB.Asm	Electrical_YNI_PCB.Asm	01.2 (...)	Initially Selected
<input checked="" type="checkbox"/>		RO000066701	(Generated)			PCB	Electrical_YNI_PCB	01.1 (...)	Dependent

Set Location

(4 objects selected)

Context: TRAINING

Folder: /.
ECAD

/TRAINING/2 - Parts and Sub-Assemblies/Electrical

Open

OK

Cancel

*Indicates required fields

OK

Cancel

CAD Management

Step4: Create ECAD Design and Variants

- Validate the Result of Save As
- This is your ECAD PCB.Asm design to use further in Training
- Write Down the name/number of new PCB created by Save As (is needed later for Variant)

The screenshot displays the Windchill CAD Management interface. At the top, the user is logged in as 'remur' and is viewing a 'Change Request'. The breadcrumb navigation shows the path: Products > TRAINING > 2 - Parts and Sub-Assemblies > Electrical. The main title is 'Electrical Part - RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)'. The interface includes a 'Draft' status indicator and a 'Recently Accessed' dropdown.

The main workspace is divided into several tabs: Details, Structure, Related Objects, Changes, History, Where Used, Traceability, and AML/AVL. Below these tabs are several toolbars: Editing (Insert Existing, Remove, Insert New, Edit), Check Out/In (Check Out, Check In, Revise, My Checkouts), Clipboard (Paste, Copy), Viewing (Show, Hide, Views, Display), and New/Add To (New, Add to).

The 'Structure' tab is active, showing a tree view of the design. The root is 'RO000010301, Electrical_YNI_PCB.Asm, 01.1 (Engineering)'. It contains sub-objects: 'YNI_PCBA, A.1', 'RO000010401, Electrical_YNI_PCB, 01.1 (Engineering)', and 'YNI_FAB, A.1'. The 'RO000010401' object is highlighted with a red box, and an arrow points from the text in the adjacent list to this object. Below the tree, a list of other parts is shown, including 'RO005011301, RES,0603,0 OHM,5%, 01.2 (Engineering)', 'RO005016701, RES,0603,100K,1%, 01.2 (Engineering)', and others.

The 'Attributes' tab is also visible, showing 'Part Attributes' for the selected object. The attributes are: Number: RO000010301, 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: (blank), and Sync to Nexus: No.

CAD Management

Step4: Create ECAD Design and Variants

Now we will Create ECAD Variant:

- Browse to folder: TRAINING/Part and Sub-Assemblies/Electrical/TRN
- Click View Information Icon for Variant_PCB.Asm



The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. There are navigation elements like 'Change Request', a search bar, and 'Quick Links'. The breadcrumb path is 'Products > TRAINING > 2 - Parts and Sub-Assemblies'. The main area is titled 'Folder - Electrical' and is divided into two panes: 'Folders' and 'Folder Contents'.

Folders (10 objects)

Name
TRAINING
0 - Documents
1 - Final Assemblies
2 - Parts and Sub-Assemblies
Electrical
ECAD
Manufacturing Parts
Mechanical
Software
3 - Changes and Promotions

Folder Contents (11 objects)

Number	Name	Version
	ECAD	
RO000010401	Electrical_YNI_PCB	01.1 (Engineering)
RO000010301	Electrical_YNI_PCB.Asm	01.1 (Engineering)
RO000009801	Variant_PCB.Asm	01.1 (Engineering)
RO000009901	PCB	01.1 (Engineering)
RO000009701	PCB.Asm	01.2 (Engineering)
0000000046	YNI_PCBA	A.1
0000000036	Variant_PCBA	A.1
0000000035	PCBA	A.1
0000000047	YNI_FAB	A.1
0000000038	FAB	A.1

Navigator

CAD Management

Step4: Create ECAD Design and Variants

- Click Actions menu
- Select Save As Option


The screenshot displays the Windchill CAD Management interface. At the top, the 'windchill' logo and user name 'remur' are visible. A search bar and 'Change Request' dropdown are present. The main content area shows a tree view of CAD objects under 'Electrical'. The selected object is 'RO000009801, Variant_PCB.Asm, 01.1 (Engineering)'. The 'Actions' menu is open, with 'Save As' highlighted. The 'Part Attributes' panel on the right shows details for the selected part.

Part Attributes

Number:	RO000009801
Name:	Variant_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 16:15 EDT
Weight:	
Sync to Nexus:	No

CAD Management

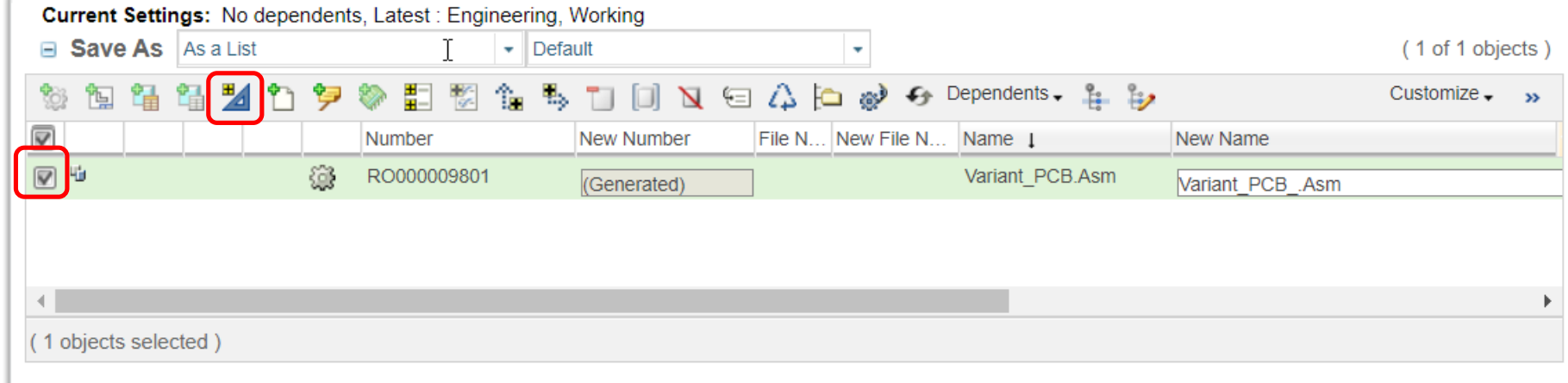
Step4: Create ECAD Design and Variants

- Select the Variant
- Click CAD objects (if needed) 
- Change the New Name of Part:
Electrical_YNI_Variant_PCB.Asm
- Change the New Name of CAD:
YNI_Variant_PCBA
- Change the File Name for CAD:
YNI_VariantPCBA
- Go next slide...

Commonspace Save As

Current Settings: No dependents, Latest : Engineering, Working

Save As As a List Default (1 of 1 objects)



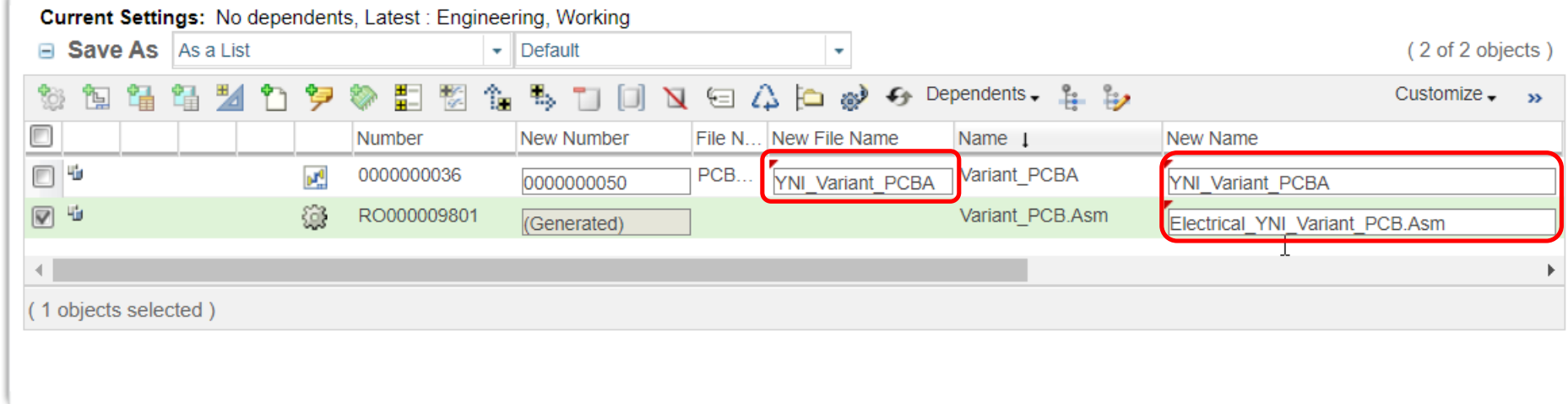
	Number	New Number	File N...	New File N...	Name ↓	New Name
<input checked="" type="checkbox"/>	RO000009801	(Generated)			Variant_PCB.Asm	Variant_PCB_Asm

(1 objects selected)

Commonspace Save As

Current Settings: No dependents, Latest : Engineering, Working

Save As As a List Default (2 of 2 objects)



	Number	New Number	File N...	New File Name	Name ↓	New Name
<input type="checkbox"/>	0000000036	0000000050	PCB...	YNI_Variant_PCBA	Variant_PCBA	YNI_Variant_PCBA
<input checked="" type="checkbox"/>	RO000009801	(Generated)			Variant_PCB.Asm	Electrical_YNI_Variant_PCB.Asm

(1 objects selected)

*Indicates required fields

OK

Cancel

CAD Management

Step4: Create ECAD Design and Variants

- Select All objects
- Click Set Location icon



- Select folder 2-Parts and Sub-Assemblies/Electrical
- Click OK
- Click OK

Commonspace Save As

Current Settings: No dependents, Latest : Engineering, Working

Save As As a List Default (2 of 2 objects)

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number	New Number	File Name	New File Name	Name	New Name	Version	Collection Rule
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0000000640	0000000655	0000000630	YNI_Variant_PCBA	Variant_P...	YNI_Variant_PCBA	A.1	Associated CAD / Dy..
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RO000067401	(Generated)			Variant_P...	Electrical_YNI_Variant_PCB.Asm	01.1 (...)	Initially Selected

(2 objects selected)

Set Location

Context: TRAINING

Folder: /.
ECAD

/TRAINING/2 - Parts and Sub-Assemblies/Electrical

Open OK Cancel

*Indicates required fields

OK Cancel

CAD Management

Step4: Create ECAD Design and Variants

Validate the Result of Save As:

- This is your ECAD Variant_PCB.Asm design to use further in Training

Replace Instructor PCB with your PCB:

- Select PCB
- Click RMB
- Select Replace
- Select Replace with Existing

The screenshot displays the Windchill CAD Management interface for an Electrical Part. The main title is "Electrical Part - RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.1 (Engineering)". The interface is divided into several sections:

- Navigation:** Home icon, breadcrumb "Products > TRAINING > 2 - Parts and Sub-Assemblies > Electrical", and "Recently Accessed" dropdown.
- Actions:** A dropdown menu is open, showing options like "View Information", "Check In", "Check Out", "Undo Checkout", "Insert", "Remove", "Edit", "Replace", "Manage Replacements", "Copy", "Paste", "Expand by", "Show/Hide Related Information", "Add Related Information", "Add to", "CAD", "Open in", and "Select in Visualization". The "Replace" option is highlighted, and a sub-menu is open with "Replace with Existing" selected.
- Structure:** A tree view shows the part hierarchy. The selected part is "RO000009901, PCB, 01.1 (Engineering)".
- Details:** A table of related objects is visible, listing various components like "RO005011301, RES,0603,0 OHM,5%, 01.2 (Engineering)", "RO005016701, RES,0603,100K,1%, 01.2 (Engineering)", etc.
- Classification:** A section for "Attributes" showing "RO000009901" and "Replace with Alternate/Substitute".
- Visualization:** A section for "Uses" showing "Prototype - DV Intent -" and "Checked in" by "Roberto Temur" on "2020-05-18 16:15 EDT".

CAD Management

Step4: Create ECAD Design and Variants

- Type the number of PCB you wrote down earlier in Number field or name:
Electrical_YNI_PCB
- Click Search
- Select your PCB
- Click OK
- Click Check In
- Enter comments
- Click OK

The screenshot shows the Windchill interface for an 'Electrical Part - RO000010501, Electrical_YNI_Variant_PCB.Asm, 01.1 (Engineering)'. The 'Search On' dropdown is set to 'All Applicable Types'. The 'Number' field contains '*000010401'. The 'Search' button is highlighted with a red box. Below the search criteria, a table lists search results:

Number	Name	End Item
RO000010401	Electrical_YNI_PCB	No

The row for 'RO000010401' is highlighted with a red box. The 'OK' button at the bottom right is also highlighted with a red box. The interface includes a 'Navigator' on the left, a 'Search | Browse' bar, and a 'Draft' status indicator.

CAD Management

Step4: Create ECAD Design and Variants

- See your Variant
- Click Display/All
- Click Show/CAD Documents
- Validate the PCB was replaced with your PCB named:

Electrical_YNI_PCB

The screenshot displays the Windchill CAD Management interface for a specific variant. The breadcrumb path is Products > TRAINING > 2 - Parts and Sub-Assemblies > Electrical. The current view is for the variant 'Electrical Part - RO000010501, Electrical_YNI_Variant_PCB.Asm, 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 a 'Draft' status and a 'Details' tab selected. The 'Details' tab shows a list of objects in the structure, with 'RO000010401, Electrical_YNI_PCB, 01.1 (Engineering)' highlighted. The 'Part Attributes' section on the right shows the following information:

Attributes	Classification	Visualization	Uses	Occurrences	Super:
Part Attributes					
Number:	RO000010501				
Name:	Electrical_YNI_Variant_PCB.Asm				
Version:	01.2 (Engineering)				
State:	Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled				
Status:	Checked in				
Modified By:	Roberto Temur				
Last Modified:	2020-05-18 17:43 EDT				
Weight:					
Sync to Nexus:	No				

CAD Management

Complete Electrical PCB.Asm Task



Complete Change Notice Task



- Electrical PCB Assembly
 - Electrical 01
- Electrical PCB/Array
 - PCB 01
- Mechanical Component
 - Mechanical 01
- Mechanical Assy/Cust DWG
 - DWG 01

CAD Management

Step5: Complete Electrical PCB.Asm Task

- Browse to Electrical Folder Contents
- Select both:
Electrical_YNI_PCB.Asm
Electrical_YNI_Variant_PCB.Asm
- Click Actions menu
- Select Copy option
- See confirmation

Products > TRAINING > 2 - Parts and Sub-Assemblies

Folder - Electrical

Actions

Folder Contents All

Number	Name	Version
<input checked="" type="checkbox"/>	RO000010501 Electrical_YNI_Variant_PCB.Asm	01.2 (Engineer)
<input checked="" type="checkbox"/>	RO000010301 Electrical_YNI_PCB.Asm	01.1 (Engineer)
	RO000010401 Electrical_YNI_PCB	01.1 (Engineer)
	RO000009801 Variant_PCB.Asm	01.1 (Engineer)
	RO000009901 PCB	01.1 (Engineer)
	RO000009701 PCB.Asm	01.2 (Engineer)
	0000000050 YNI_Variant_PCBA	A.1
	0000000046 YNI_PCBA	A.1
	0000000036 Variant_PCBA	A.1
	0000000035 PCBA	A.1
	0000000047 YNI_FAB	A.1
	0000000038 FAB	A.1

CONFIRMATION: Successful copy
2 object(s) copied to the clipboard

CAD Management

Step5: Complete Electrical PCB.Asm Task

- Click Home Icon to refresh page
- Identify the task with subject: Electrical PCB Assembly
- Click Complete Change Notice Task link for identified task
- Read the Description and Need Date

The screenshot displays the Windchill CAD Management interface. At the top, there is a navigation bar with a home icon and a 'Recently Accessed' dropdown. Below this, the main navigation area includes 'Tasks | Updates | Checked-Out Work' and a 'Customize' dropdown. A 'My Tasks' section shows a list of tasks with columns for Name, Subject, Role, and State. The third task, 'Complete Change Notice Task' with subject 'Magna Change Task - CT0000040,Electrical PCB Assembly', is highlighted in orange and has a red box around its 'Complete Change Notice Task' link. Below the list, the detailed view for this task is shown, including 'Attributes', 'Subject Attributes', and 'Task Completion' tabs. The 'Attributes' section contains details like Subject, Instructions, Assignee (Roberto Temur), Role (Assignee), Deadline, Priority (Highest), Status (Potential), and Process. The 'Subject Attributes' section includes Change Notice (CN0000032), Change Notice Name (CN3_YNI_TRN), Name (Electrical PCB Assembly), and a detailed Description and Need Date, both of which are highlighted with a red box.

Name	Subject	Role	State
Complete Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Assignee	Implementatic
Complete Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Assignee	Implementatic
Complete Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly	Assignee	Implementatic
Complete Change Notice Task	windchill*	rtemur	

Task - Magna Change Activity Workflow_CT0000040-Complete Change Notice Task

Attributes

Subject: Magna Change Task - CT0000040,Electrical PCB Assembly

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_CT0000040-Electrical PCB Assembly

Subject Attributes

Change Notice: CN0000032
Change Notice Name: CN3_YNI_TRN
Name: Electrical PCB Assembly
Need Date:
Description: Update and release affected Electrical PCB Assembly and associated Schematic and Assembly Drawings. Confirm BOM structure for Electrical PCB 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. If applicable, update all related ProjectLink Activities and deliverables.

CAD Management

Step5: Complete Electrical PCB.Asm Task

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

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. There are dropdown menus for 'Change Request' (set to 'CR_YNI_TRN') and 'Quick Links'. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000040-Complete Change Notice Task' with an 'Implementation' link. Two tabs are present: 'Details' and 'Resulting Objects', with the latter highlighted in red. Below the tabs, the section 'Complete Resulting Objects' contains a dropdown menu set to 'All' and '(0 objects)'. A toolbar with various icons is shown, with the 'Edit' icon (a pencil) highlighted in red. Below the toolbar is a table with columns: Identity, Name, State, and Comments. The table is currently empty. At the bottom, a status bar indicates '(0 objects selected)'. On the left side, there is a vertical 'Navigator' bar with 'Search | Browse' options.

CAD Management

Step5: Complete Electrical PCB.Asm Task

- Go to Resulting Objects Table

- Click Paste icon



- Set Release Target to : Production

- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects (0 objects)

Copy Paste Paste Selection Remove Add Affected Objects Collect Objects Revise New Sequence

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

3 Select Associations

Affected Objects All (0 objects)

Copy Paste Paste Selection Remove Add Affected Objects Collect Objects Revise New Sequence

Search in table

Add by Number Add by Name

Resulting Objects All (2 objects)

Copy Paste Paste Selection Remove Add Resulting Object Refresh Collect Objects Set Release Target

Number	Version	Name	State	Release Target	Comments
RO000068501	01.1 (Engineering)	Electrical_YNI_PCB.Asm	Draft	Production	
RO000068701	01.2 (Engineering)	Electrical_YNI_Variant_PCB.Asm	Draft	Production	

Search in table

Add by Number Add by Name

Back Next **Finish** Cancel

CAD Management

Step5: Complete Electrical PCB.Asm Task

- Note Electrical PCB.Asm and Variant_PCB.Asm are set as Resulting Objects
- Click Details TAB

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A notification banner reads 'PRODUCTION Windchill rehost dated 1-June-2020'. The main task title is 'Task - Magna Change Activity Workflow_CT0000276-Complete Change Notice Task'. The 'Details' tab is selected and highlighted in green. Below the task title, the section 'Complete Resulting Objects' is shown with a dropdown menu set to 'All' and '(2 objects)'. A toolbar contains various actions: Copy, Check In, Check Out, Undo Checkout, Mass Change, Add to Workspace, Set Effectivity, and Edit. Below the toolbar is a table with columns: Identity, Name, State, and Comments. Two rows are listed, both highlighted in yellow and enclosed in a red box:

Identity	Name	State	Comments
RO000068501, Electrical_YNI_PCB.Asm, 01.1 (Engineering)	Electrical_YNI_PCB...	Draft	
RO000068701, Electrical_YNI_Variant_PCB.Asm, 01.2 (Engineering)	Electrical_YNI_Varian...	Draft	

At the bottom of the interface, a status bar indicates '(0 objects selected)'. The left sidebar contains 'Search | Browse' and 'Navigator' buttons.

CAD Management

Step5: Complete Electrical PCB.Asm Task

- Scroll Down the page
- Enter Comments as needed
- Click Complete Task

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains 'Change Request' and 'CR_YNI_TRN'. The breadcrumb trail shows 'Products > TRAINING > Tasks'. The main title is 'Task - Magna Change Activity Workflow_CT0000040-Complete Change Notice Task'. The 'Resulting Objects' tab is active, showing 'Process: Magna Change Activity Workflow_CT0000040-Electrical PCB Assembly'. Under 'Subject Attributes', the 'Change Notice' is 'Change Notice - CN0000032', the name is 'CN3_YNI_TRN', and the description is 'Update and release affected Electrical PCB Assembly and associated Schematic and Assembly Drawings. Confirm BOM structure for Electrical PCB 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. If applicable, update all related ProjectLink Activities and deliverables.' The 'Task Completion' section has a 'Comments' field containing 'Electrical PCB Created'. At the bottom right, there are 'Save' and 'Complete Task' buttons, with the latter highlighted by a red box.

windchill rtemur Change Request CR_YNI_TRN Quick Links

Products > TRAINING > Tasks Recently Accessed

Task - Magna Change Activity Workflow_CT0000040-Complete Change Notice Task Implementation

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Process: Magna Change Activity Workflow_CT0000040-Electrical PCB Assembly

Subject Attributes

Change Notice: Change Notice - CN0000032

Change Notice Name: CN3_YNI_TRN

Name: Electrical PCB Assembly

Need Date:

Description: Update and release affected Electrical PCB Assembly and associated Schematic and Assembly Drawings. Confirm BOM structure for Electrical PCB 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. If applicable, update all related ProjectLink Activities and deliverables.

Task Completion

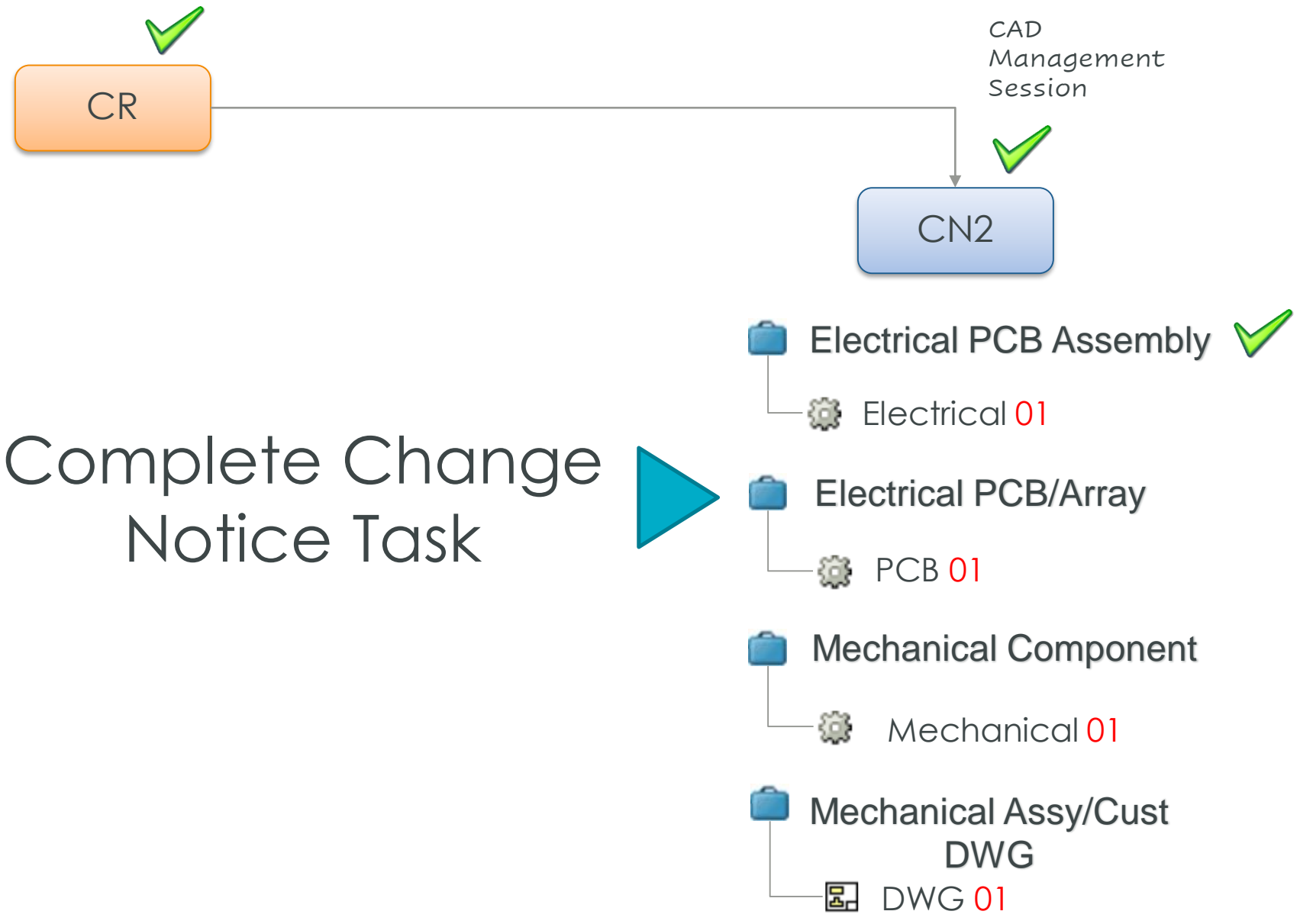
Comments: Electrical PCB Created

Save Complete Task

CAD Management

Complete Electrical PCB/Array Task

Complete Change Notice Task



CAD Management

Step6: Complete Electrical PCB/Array Task

- Browse to Electrical Folder Contents
- Select your: Electrical_YNI_PCB
- Click Actions menu
- Select Copy option
- See confirmation

The screenshot shows the Windchill CAD Management interface. The breadcrumb path is **Products > TRAINING > 2 - Parts and Sub-Assemblies**. The left sidebar shows a tree view of folders, with **Electrical** selected. The main area displays the **Folder Contents** for the **Electrical** folder. A table lists various assembly files, with **RO000010401 Electrical_YNI_PCB** selected. The **Actions** menu is open, and the **Copy** option is highlighted. A confirmation message at the bottom states: **CONFIRMATION: Successful copy** 1 object(s) copied to the clipboard.

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

Products > TRAINING > 2 - Parts and Sub-Assemblies Recently Accessed

Actions Folder - **Electrical**

Folders (9 objects)

Search in selected folder

Name ↑

- TRAINING
 - 0 - Documents
 - 1 - Final Assemblies
 - 2 - Parts and Sub-Assemblies
 - Electrical**
 - Manufacturing Parts
 - Mechanical
 - Software
 - 3 - Changes and Promotions

Folder Contents All (13 objects)

Actions

Number	Name	Version
RO000010501	Electrical_YNI_Variant_PCB.Asm	01.2 (Engineer)
<input checked="" type="checkbox"/> RO000010401	Electrical_YNI_PCB	01.1 (Engineer)
RO000010301	Electrical_YNI_PCB.Asm	01.1 (Engineer)
RO000009801	Variant_PCB.Asm	01.1 (Engineer)
RO000009901	PCB	01.1 (Engineer)
RO000009701	PCB.Asm	01.2 (Engineer)
0000000050	YNI_Variant_PCBA	A.1
0000000046	YNI_PCBA	A.1
0000000036	Variant_PCBA	A.1
0000000035	PCBA	A.1
0000000047	YNI_FAB	A.1
0000000038	FAB	A.1

(1 objects selected)

CONFIRMATION: Successful copy
1 object(s) copied to the clipboard

CAD Management

Step6: Complete Electrical PCB/Array Task

- Click Home Icon to refresh page
- Identify the task with subject: Electrical PCB/Array
- Click Complete Change Notice link for identified task to open
- Read the Description and Need Date

The screenshot displays the Windchill CAD Management interface. At the top, there is a navigation bar with a home icon and a 'Recently Accessed' dropdown. Below this, the main header shows 'Tasks | Updates | Checked-Out Work' and a 'Customize' dropdown. A 'My Tasks' section is visible with a search bar and a 'Open' dropdown. A table lists tasks, with the second row highlighted in orange: 'Complete Change Notice Task' with subject 'Magna Change Task - CT0000042,Electrical PCB/Array' and role 'Assignee'. A red box highlights this row. Below the table, a detailed view of the selected task is shown. The task title is 'Task - Magna Change Activity Workflow_CT0000042-Complete Change Notice Task'. The 'Attributes' section includes: Subject: Magna Change Task - CT0000042,Electrical PCB/Array; 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: (blank); Priority: Highest; Status: Potential; Process: Magna Change Activity Workflow_CT0000042-Electrical PCB/Array. The 'Subject Attributes' section includes: Change Notice: Change Notice - CN0000032; Change Notice Name: CN3_YNI_TRN; Name: Electrical PCB/Array; Need Date: (blank); Description: Update and release affected Electrical PCB, Component and PCB Array and associated Layout and Fabrication Drawings. 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. A red box highlights the description text.

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly	Reviewer	Under Re
Complete Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Assignee	Implemen
Complete Change Notice Task	windchill*		
Complete Change Notice Task			

Task - Magna Change Activity Workflow_CT0000042-Complete Change Notice Task

Attributes

Subject: Magna Change Task - CT0000042,Electrical PCB/Array

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_CT0000042-Electrical PCB/Array

Subject Attributes

Change Notice: Change Notice - CN0000032
Change Notice Name: CN3_YNI_TRN
Name: Electrical PCB/Array
Need Date:
Description: Update and release affected Electrical PCB, Component and PCB Array and associated Layout and Fabrication Drawings. 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.

CAD Management

Step6: Complete Electrical PCB/Array Task

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

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main title is 'Task - Magna Change Activity Workflow_CT0000042-Complete Change Notice Task'. Below the title, there are two tabs: 'Details' and 'Resulting Objects', with the latter highlighted in red. The 'Resulting Objects' section shows 'Complete Resulting Objects' with a filter set to 'All' and '(0 objects)'. A toolbar contains several icons, with the 'Edit' icon (a pencil) highlighted in red. Below the toolbar is a table with columns: Identity, Name, State, and Comments. The table is currently empty. At the bottom, a status bar indicates '(0 objects selected)'. The left sidebar contains 'Search | Browse' and 'Navigator'.

Change Request

Products > TRAINING > Tasks

Actions Implementation

Details **Resulting Objects**

Complete Resulting Objects

Complete Resulting Objects (0 objects)

Identity	Name	State	Comments
----------	------	-------	----------

(0 objects selected)

Search | Browse

Navigator

CAD Management

Step6: Complete Electrical PCB/Array Task

- Go to Resulting Objects Table

- Click Paste



- Set Release Target to : Production

- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects Edit Change Task

1 2 3 Set Attributes Select Affected/Resulting Objects Select Associations

Affected Objects All (0 objects)

Copy Paste Paste Selection Remove Add Affected Objects Collect Objects Revise New Sequence Actions Search in table

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

+ Add by Number (0 objects selected)

Resulting Object

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

Resulting Objects All (1 objects)

Copy Paste Paste Selection Remove Add Resulting Object Refresh Collect Objects Set Release Target Actions Search in table

Number ↑	Version	Name	State	Release Target	Comments
RO000068601	01.1 (Engineering)	Electrical_YNI_PCB	Draft	Production	

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

Back Next **Finish** Cancel

CAD Management

Step6: Complete Electrical PCB/Array Task

- Note: Electrical_YNI_PCB is set as Resulting Object
- Click Details TAB

The screenshot shows the Windchill user interface. At the top, the Windchill logo and user name 'rtemur' are visible. A red banner at the top right reads 'PRODUCTION Windchill rehost dated 1-June-2020'. The main header area contains a search bar and a 'Quick Links' dropdown. Below this, the breadcrumb path is 'Home > Task - Magna Change Activity Workflow_CT0000277-Complete Change Notice Task'. The 'Implementation' status is shown with a question mark icon. Two tabs are present: 'Details' (highlighted with a red box) and 'Resulting Objects'. The 'Complete Resulting Objects' section shows a filter set to 'All' and '(1 objects)'. A toolbar with icons for Copy, Check In, Check Out, Undo Checkout, Mass Change, Add to Workspace, Set Effectivity, and Edit is visible. Below the toolbar is a table with columns: Identity, Name, State, and Comments. One row is highlighted with a red box, containing the identity 'RO000068601, Electrical_YNI_PCB, 01.1 (Engineering)', name 'Electrical_YNI_PCB', and state 'Draft'. A 'Navigator' sidebar is on the left, and a status bar at the bottom indicates '(0 objects selected)'.

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

Home Task - Magna Change Activity Workflow_CT0000277-Complete Change Notice Task Implementation ?

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (1 objects)

Copy Check In Check Out Undo Checkout Mass Change Add to Workspace Set Effectivity Edit Actions Search in table

Identity	Name	State	Comments
RO000068601, Electrical_YNI_PCB, 01.1 (Engineering)	Electrical_YNI_PCB	Draft	

(0 objects selected)

Search | Browse Navigator

CAD Management

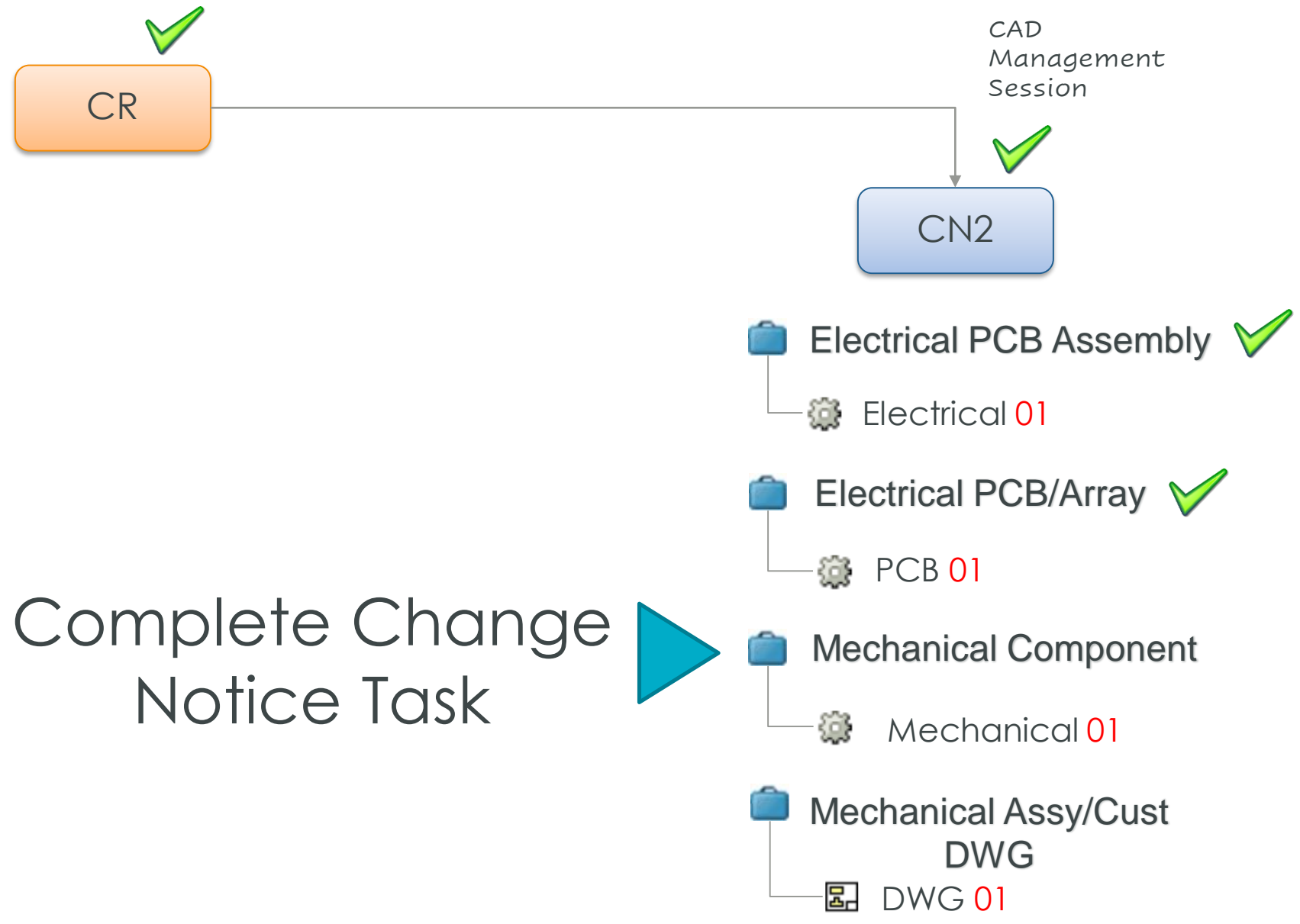
Step6: Complete Electrical PCB/Array Task

- Scroll Down the page
- Enter Comments as needed
- Click Complete Task

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains 'Change Request' and a dropdown menu shows 'CR_YNI_TRN'. A 'Quick Links' button is also present. The breadcrumb trail indicates the path: 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000042-Complete Change Notice Task' with an 'Implementation' link. Below the title, there are tabs for 'Details' and 'Resulting Objects', with 'Resulting Objects' being the active tab. Underneath, there are sub-tabs for 'Attributes', 'Subject Attributes', and 'Task Completion'. The 'Subject Attributes' section shows: 'Status: Potential', 'Process: Magna Change Activity Workflow_CT0000042-Electrical PCB/Array', 'Change Notice: Change Notice - CN0000032', 'Change Notice Name: CN3_YNI_TRN', 'Name: Electrical PCB/Array', 'Need Date:', and a detailed 'Description'. The 'Task Completion' section features a 'Comments' field with the text 'Electrical PCB/Array Created'. At the bottom right, there are 'Save' and 'Complete Task' buttons, with the latter being highlighted by a red box.

CAD Management

Create Mechanical Component and Complete Task



Complete Change Notice Task

CAD Management

Step7: Create Mechanical Component and Complete Task

- Browse to folder: TRAINING/Part and Sub-Assemblies/Mechanical/MCAD/TRN
- Click View information icon for Part: TRN Cover ASM

The screenshot displays the Windchill CAD Management interface. On the left, the 'Navigator' pane shows a tree view of folders under 'Folder - TRN (/Default)'. The 'TRN' folder is highlighted with a red box. The main area shows the 'Folder Contents' for the selected folder, displaying a table of 10 objects. The table has columns for 'Number', 'Name', and 'Version'. The row for 'TRN COVER ASM' with version '01.3 (Engineering)' is highlighted in orange, and its information icon is circled in red.

	Number	Name	Version
<input type="checkbox"/>	RO000067301	DashCam	01.2 (Engineering)
<input type="checkbox"/>	0000100006	DashCam	-.1
<input type="checkbox"/>	0000100005	DashCam	-.1
<input type="checkbox"/>	RO000067001	TRN COVER ASM	01.3 (Engineering)
<input type="checkbox"/>	0000100004	TRN COVER DWG	-.1
<input type="checkbox"/>	0000100003	TRN GASKET PART	-.1
<input type="checkbox"/>	RO000067201	TRN GASKET PART	01.1 (Engineering)
<input type="checkbox"/>	0000100002	TRN COVER PART	-.1
<input type="checkbox"/>	RO000067101	TRN COVER PART	01.1 (Engineering)
<input type="checkbox"/>	0000100001	TRN COVER ASM	-.1

CAD Management

Step7: Create Mechanical Component and Complete Task



- Select Structure TAB
- Click Display/Select All
- Click Show/CAD Documents
- Click Actions menu
- Select Save As

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The main content area shows a tree view of the CAD structure for 'RO000067001, TRN COVER ASM, 01.3 (Engineering)'. The 'Actions' menu is open, with 'Save As' highlighted. The 'Part Attributes' panel on the right shows the following details:

Attributes	Classification	Visualization	Uses	Occurrences
Part Attributes				
Number:	RO000067001			
Name:	TRN COVER ASM			
Version:	01.3 (Engineering)			
State:	Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled			
Status:	Checked in			
Modified By:	Roberto Temur			
Last Modified:	2020-06-06 21:24 EDT			
Weight:				
CN Number:				
Sync to Nexus:	No			
Component Classification:				

CAD Management

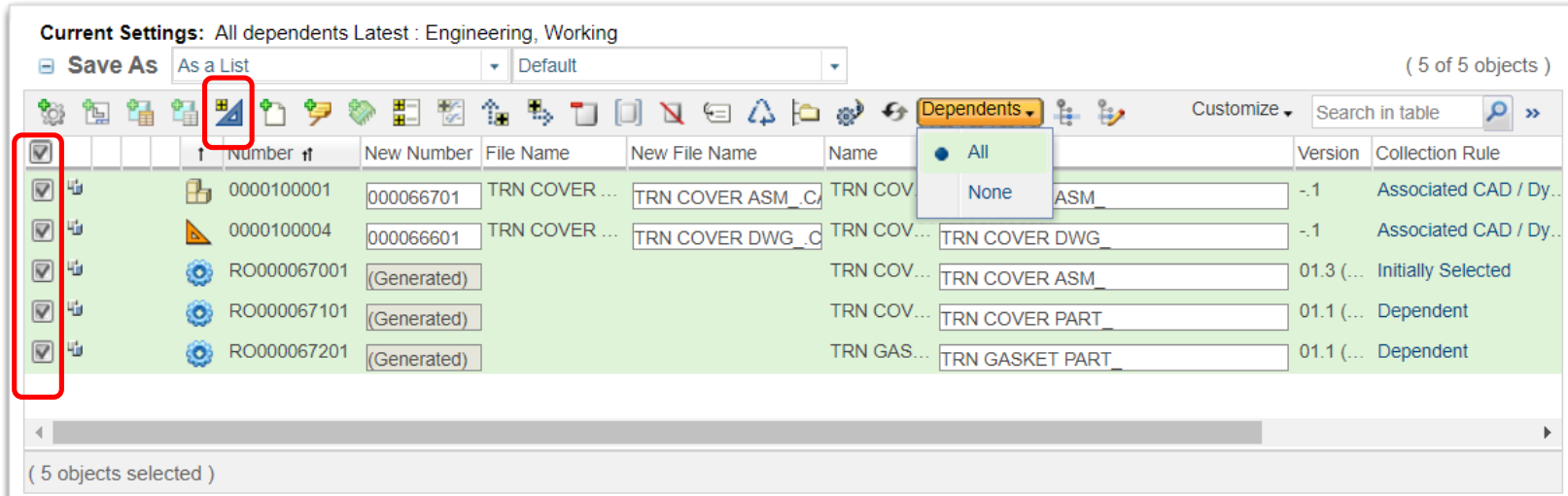
Step7: Create Mechanical Component and Complete Task

- Click Dependents and select All
- Select All objects
- Click Collect Related parts 
- Select All objects
- Click Set New Name icon 

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (5 of 5 objects)



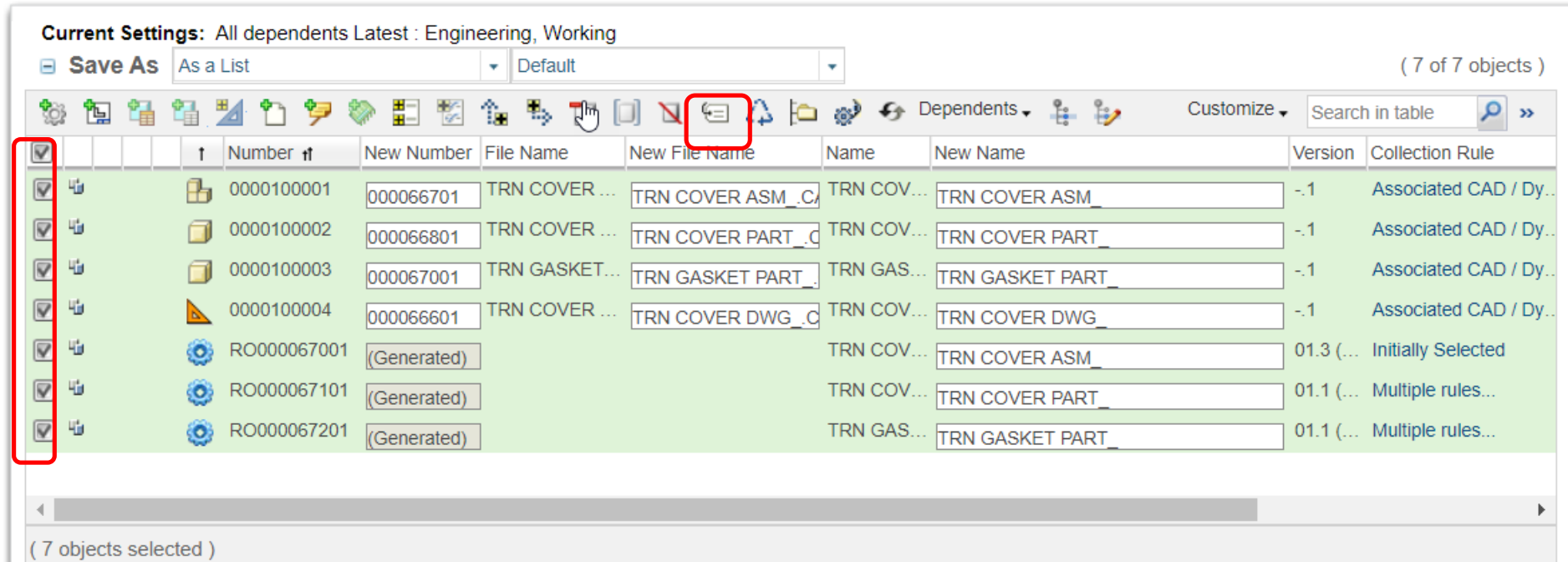
		Number	New Number	File Name	New File Name	Name	Version	Collection Rule
<input checked="" type="checkbox"/>		0000100001	000066701	TRN COVER ...	TRN COVER ASM_C...	TRN COV...	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		0000100004	000066601	TRN COVER ...	TRN COVER DWG_C...	TRN COV...	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		RO000067001	(Generated)			TRN COV...	01.3 (...)	Initially Selected
<input checked="" type="checkbox"/>		RO000067101	(Generated)			TRN COV...	01.1 (...)	Dependent
<input checked="" type="checkbox"/>		RO000067201	(Generated)			TRN GAS...	01.1 (...)	Dependent

(5 objects selected)

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (7 of 7 objects)



		Number	New Number	File Name	New File Name	Name	New Name	Version	Collection Rule
<input checked="" type="checkbox"/>		0000100001	000066701	TRN COVER ...	TRN COVER ASM_C...	TRN COV...	TRN COVER ASM_	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		0000100002	000066801	TRN COVER ...	TRN COVER PART_C...	TRN COV...	TRN COVER PART_	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		0000100003	000067001	TRN GASKET...	TRN GASKET PART_	TRN GAS...	TRN GASKET PART_	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		0000100004	000066601	TRN COVER ...	TRN COVER DWG_C...	TRN COV...	TRN COVER DWG_	-1	Associated CAD / Dy..
<input checked="" type="checkbox"/>		RO000067001	(Generated)			TRN COV...	TRN COVER ASM_	01.3 (...)	Initially Selected
<input checked="" type="checkbox"/>		RO000067101	(Generated)			TRN COV...	TRN COVER PART_	01.1 (...)	Multiple rules...
<input checked="" type="checkbox"/>		RO000067201	(Generated)			TRN GAS...	TRN GASKET PART_	01.1 (...)	Multiple rules...

(7 objects selected)

CAD Management

Step7: Create Mechanical Component and Complete Task

- Change New Number to Autogenerate
- Change New Name as shown here:
- Change New File Name as shown here:
- Click OK

Options.. - Google Chrome
magna-dev5.ptcmscloud.com/Windchill/servlet/WindchillAuthG...

Set New Name

New Number:

- Unchanged
- Autogenerate
- Generate document number based on related Part
- Change

From: *.* To: *_*

New Name:

- Unchanged
- Autogenerate
- Change

From: *.* To: Mechanical_YNI_**

New File Name:

- Unchanged
- Same as number
- Same as name
- Change

From: *.* To: Mechanical_YNI_**

OK Cancel

CAD Management

Step7: Create Mechanical Component and Complete Task

- Validate names are as shown:
- YNI= your name initials
- If needed make corrections by typing
- Go to next page

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (7 of 7 objects)


		Number	New Number	File Name	New File Name	Name	New Name
<input checked="" type="checkbox"/>		0000100001	000066701	TRN COVER...	Mechanical_YNI_TRN COVER ASM.CATProduct	TRN COV...	Mechanical_YNI_TRN COVER ASM
<input checked="" type="checkbox"/>		0000100002	000066801	TRN COVER...	Mechanical_YNI_TRN COVER PART.CATPart	TRN COV...	Mechanical_YNI_TRN COVER PART
<input checked="" type="checkbox"/>		0000100003	000067001	TRN GASKE...	Mechanical_YNI_TRN GASKET PART.CATPart	TRN GAS...	Mechanical_YNI_TRN GASKET PART
<input checked="" type="checkbox"/>		0000100004	000066601	TRN COVER...	Mechanical_YNI_TRN COVER DWG.CATDrawing	TRN COV...	Mechanical_YNI_TRN COVER DWG
<input checked="" type="checkbox"/>		RO000067001	(Generated)			TRN COV...	Mechanical_YNI_TRN COVER ASM
<input checked="" type="checkbox"/>		RO000067101	(Generated)			TRN COV...	Mechanical_YNI_TRN COVER PART
<input checked="" type="checkbox"/>		RO000067201	(Generated)			TRN GAS...	Mechanical_YNI_TRN GASKET PART

*Indicates required fields

OK Cancel

CAD Management

Step7: Create Mechanical Component and Complete Task

- Select All objects
- Click Set Location icon 
- Select folder 2-Parts and Sub-Assemblies/Mechanical
- Click OK
- Click OK

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (7 of 7 objects)

	Number	New Number	File Name	New File Name	Name	New Name
<input checked="" type="checkbox"/>	0000100001	000066701	TRN COVER ...	Mechanical_YNI_TRN COVER ASM.CATProduct	TRN COV...	Mechanical_YNI_TRN COVER ASM
<input checked="" type="checkbox"/>	0000100002	000066801	TRN COVER ...	Mechanical_YNI_TRN COVER PART.CATPart	TRN COV...	Mechanical_YNI_TRN COVER PART
<input checked="" type="checkbox"/>	0000100003	000067001	TRN GASKE...	Mechanical_YNI_TRN GASKET PART.CATPart	TRN GAS...	Mechanical_YNI_TRN GASKET PART
<input checked="" type="checkbox"/>	0000100004	000066601	TRN COVER ...	Mechanical_YNI_TRN COVER DWG.CATDrawing	TRN COV...	Mechanical_YNI_TRN COVER DWG
<input checked="" type="checkbox"/>	RO000067				COV...	Mechanical_YNI_TRN COVER ASM
<input checked="" type="checkbox"/>	RO000067				COV...	Mechanical_YNI_TRN COVER PART
<input checked="" type="checkbox"/>	RO000067				GAS...	Mechanical_YNI_TRN GASKET PART

(7 objects selected)

Set Location

Context: TRAINING

Folder: /.
MCAD

/TRAINING/2 - Parts and Sub-Assemblies/Mechanical

Open **OK** Cancel

*Indicates required fields

OK Cancel

CAD Management

Step7: Create Mechanical Component and Complete Task

- Navigate to the new created MCAD component.
- Click View information icon
- Click Display/Select All
- Click Show Button/CAD Documents

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The main title of the component is 'Mechanical Component - RO000068801, Mechanical_YNI_TRN COVER ASM, 01.1 (Engineering)'. 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 component's structure. The tree view includes the following items:

- 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)
- Mechanical_YNI_TRN COVER PART.CATPart, -.1
- RO000069001, Mechanical_YNI_TRN GASKET PART, 01.1 (Engineering)
- Mechanical_YNI_TRN GASKET PART.CATPart, -.1

The 'Viewing' section includes a 'Show' button and a 'Display' button. The 'Part Attributes' section is visible on the right, showing the following information:

Part Attributes

- Number:** RO000068801
- Name:** Mechanical_YNI_TRN COVER 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:** 2020-06-08 20:53 EDT
- Weight:**
- CN Number:**
- Sync to Nexus:** No
- Component Classification:**

CAD Management

Step7: Create Mechanical Component and Complete Task

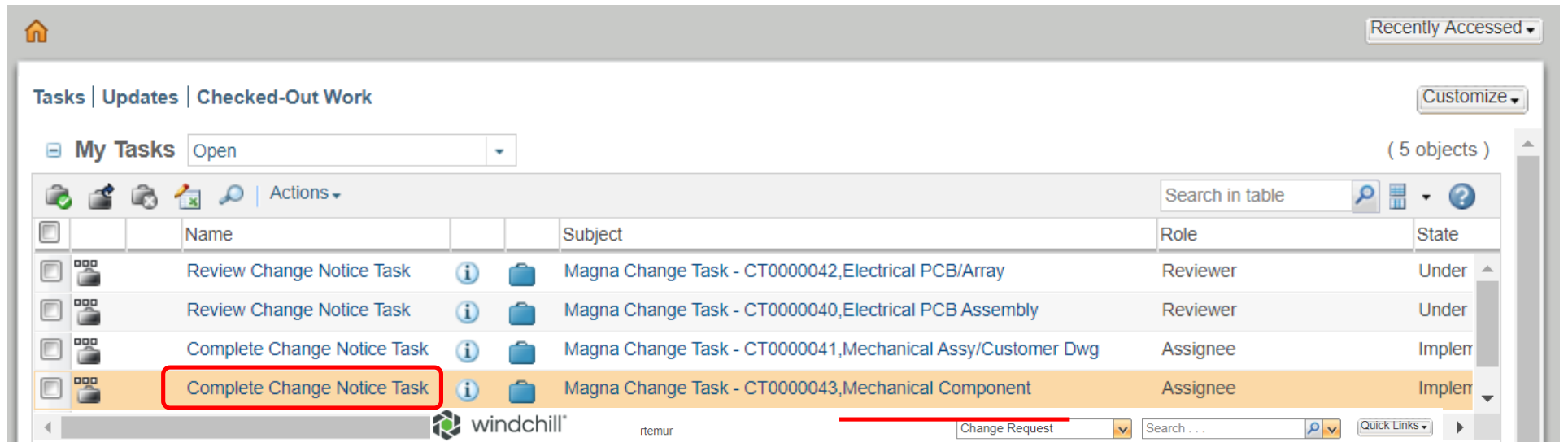
- Click Actions menu
- Select Copy option
- Click Home Icon
- See confirmation for clipboard

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A search bar contains the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The main title bar reads 'Mechanical Component - RO000068801, Mechanical_YNI_TRN COVER ASM, 01.1 (Engineering)'. A 'Draft' status is shown on the right. Below the title bar, a navigation bar includes tabs for 'Changes', 'History', 'Where Used', 'Traceability', 'AML/AVL', and 'Upstream/Downstream'. A 'Clipboard' section shows 'Paste' and 'Copy' options. A 'Viewing' section includes 'Show' and 'Hide' options. A 'New/Add To' section has 'New' and 'Add to' options. The 'Identity' pane on the left shows a tree structure of components, with the selected component highlighted. The 'Attributes' pane on the right displays 'Part Attributes' including Number, Name, Version, State, Status, Modified By, Last Modified, Weight, CN Number, and Sync to Nexus. A confirmation message at the bottom states 'CONFIRMATION: Successful copy 1 object(s) copied to the clipboard'. The 'Navigator' is visible on the left side of the interface.

CAD Management

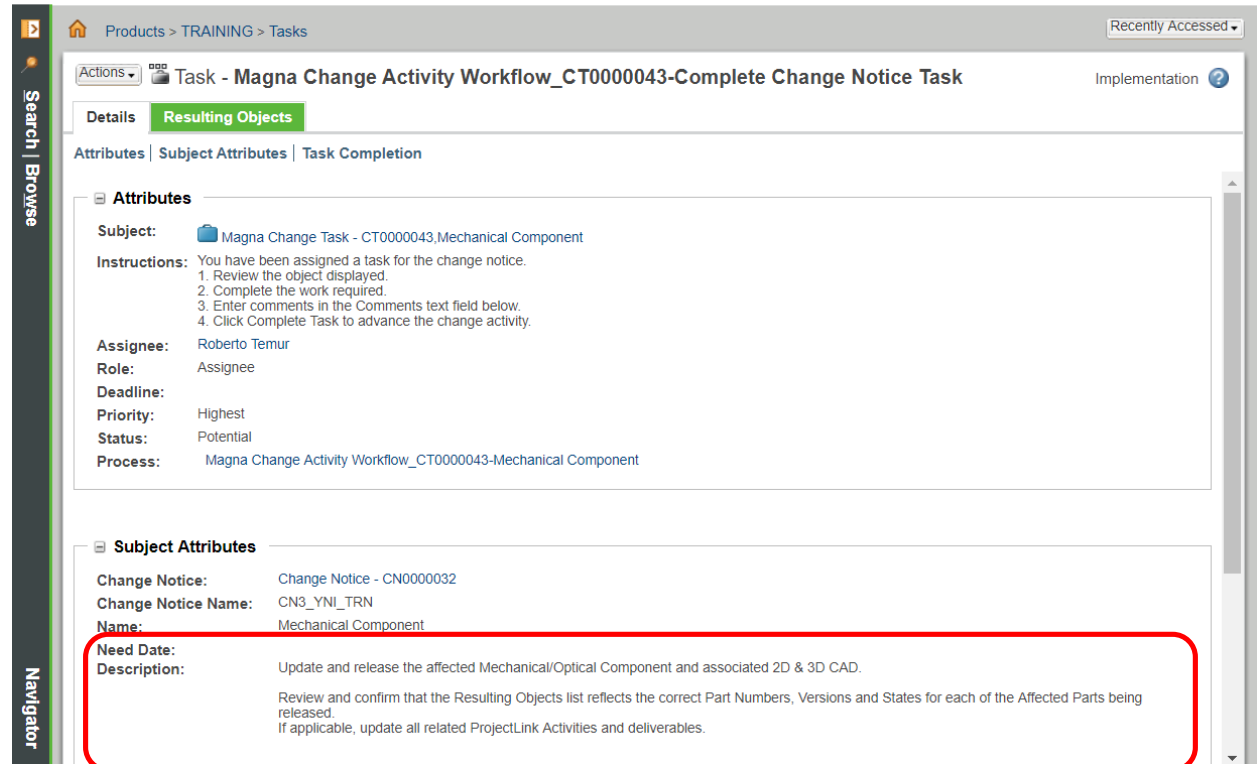
Step7: Create Mechanical Component and Complete Task

- Click Home icon
- Identify the task with subject: Mechanical Component
- Click Complete Change Notice link for identified task
- Read the Description



The screenshot shows the 'My Tasks' section in Windchill. A table lists tasks with columns for Name, Subject, Role, and State. The task 'Complete Change Notice Task' with subject 'Magna Change Task - CT0000043, Mechanical Component' is highlighted in orange and has a red box around the 'Complete Change Notice Task' text in the Name column.

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000042, Electrical PCB/Array	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000040, Electrical PCB Assembly	Reviewer	Under
Complete Change Notice Task	Magna Change Task - CT0000041, Mechanical Assy/Customer Dwg	Assignee	Implem
Complete Change Notice Task	Magna Change Task - CT0000043, Mechanical Component	Assignee	Implem



The screenshot shows the details of a task in Windchill. The task is 'Task - Magna Change Activity Workflow_CT0000043-Complete Change Notice Task'. The 'Resulting Objects' tab is selected. The 'Attributes' section shows the subject as 'Magna Change Task - CT0000043, Mechanical Component' and the assignee as 'Roberto Temur'. The 'Subject Attributes' section shows the change notice as 'Change Notice - CN0000032' and the description as 'Update and release the affected Mechanical/Optical Component and associated 2D & 3D CAD. 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 description text is highlighted with a red box.

Attributes

Subject: Magna Change Task - CT0000043, Mechanical Component

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_CT0000043-Mechanical Component

Subject Attributes

Change Notice: Change Notice - CN0000032
Change Notice Name: CN3_YNI_TRN
Name: Mechanical Component
Need Date:
Description: Update and release the affected Mechanical/Optical Component and associated 2D & 3D CAD.
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.

CAD Management

Step7: Create Mechanical Component and Complete Task

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

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A 'Change Request' dropdown menu and a search bar are also present. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000043-Complete Change Notice Task' with an 'Implementation' link. Two tabs are visible: 'Details' and 'Resulting Objects', with the latter highlighted in green and circled in red. Below the tabs, the section 'Complete Resulting Objects' is shown with a dropdown menu set to 'All' and '(0 objects)' next to it. A toolbar contains various icons, including a pencil icon for editing, which is also circled in red. Below the toolbar is a table with columns for 'Identity', 'Name', 'State', and 'Comments'. The table is currently empty. At the bottom of the interface, a status bar indicates '(0 objects selected)'. A vertical sidebar on the left contains the text 'Search | Browse' and 'Navigator'.

CAD Management

Step7: Create Mechanical Component and Complete Task

- Go to Resulting Objects Table

- Click Paste



- Set Release Target to : Production

- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects: All (0 objects)

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects 3 Select Associations

Affected Objects: All (0 objects)

Copy Paste Paste Selection Remove Add Affected Objects Collect Objects Revise New Sequence Actions Search in table

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

Resulting Object

Add by Number (0 objects selected) Add by Name

Resulting Objects: All (1 objects)

Copy Paste Paste Selection Remove Add Resulting Object Refresh Collect Objects Set Release Target Actions Search in table

Number ↑	Version	Name	State	Release Target	Comments
RO000068801	01.1 (Engineering)	Mechanical_YNI_TRN COVER ASM	Draft	Production	

Add by Number (0 objects selected) Add by Name

Back Next **Finish** Cancel

CAD Management

Step7: Create Mechanical Component and Complete Task

- Note the MCAD Component is set as Resulting Items
- Click Details TAB

The screenshot shows the Windchill interface for a task titled "Task - Magna Change Activity Workflow_CT0000279-Complete Change Notice Task". The "Details" tab is selected and highlighted with a red box. Below the tabs, the section "Complete Resulting Objects" shows a table with one object. The object's identity is "RO000068801, Mechanical_YNI_TRN COVER ASM, 01.1 (Engineering)" and its state is "Draft". The "Details" tab and the object row are both highlighted with red boxes.

Windchill logo and user name: rtemur

Production status: PRODUCTION Windchill rehost dated 1-June-2020

Search bar: Search ...

Quick Links

Recently Accessed

Task: Task - Magna Change Activity Workflow_CT0000279-Complete Change Notice Task

Implementation ?

Details (highlighted) | Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (1 objects)

Copy Check In Check Out Undo Checkout Mass Change Add to Workspace Set Effectivity Edit Actions Search in table

Identity	Name	State	Comments
RO000068801, Mechanical_YNI_TRN COVER ASM, 01.1 (Engineering)	Mechanical_YNI_TR...	Draft	

(0 objects selected)

Search | Browse

Navigator

CAD Management

Step7: Create Mechanical Component and Complete Task

- Scroll Down the page
- Enter Comments as needed
- Click Complete Task

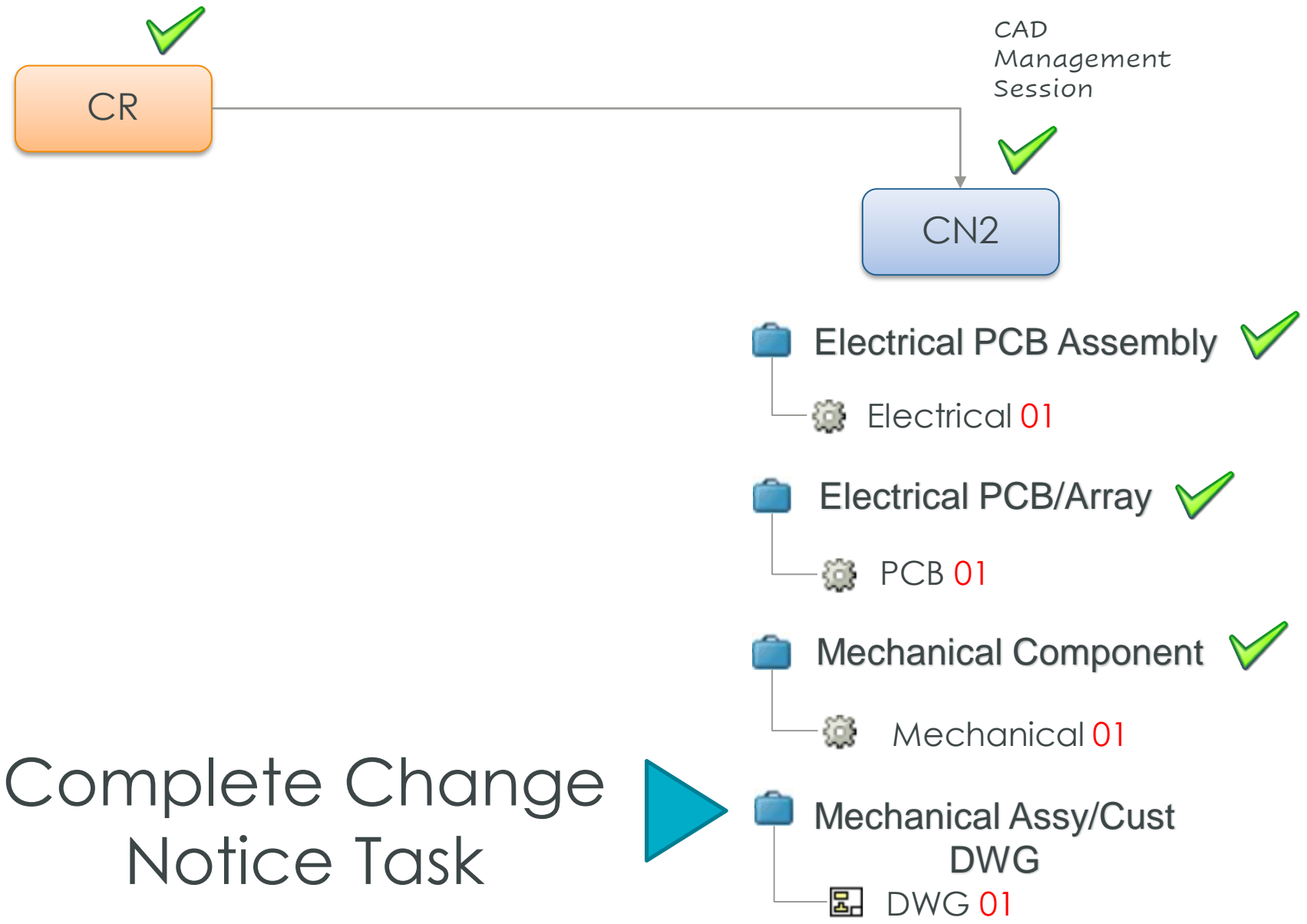
The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A navigation breadcrumb shows 'Products > TRAINING > Tasks'. The main title is 'Task - Magna Change Activity Workflow_CT0000043-Complete Change Notice Task'. Below the title, there are tabs for 'Details' and 'Resulting Objects', with 'Resulting Objects' being the active tab. Underneath, there are sub-tabs for 'Attributes', 'Subject Attributes', and 'Task Completion'. The 'Subject Attributes' section contains the following information:

- Change Notice:** Change Notice - CN0000032
- Change Notice Name:** CN3_YNI_TRN
- Name:** Mechanical Component
- Need Date:**
- Description:** Update and release the affected Mechanical/Optical Component and associated 2D & 3D CAD. 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 contains a 'Comments' field with the text 'Mechanical Component Created'. At the bottom right, there are two buttons: 'Save' and 'Complete Task', with 'Complete Task' being highlighted with a red box.

CAD Management

Create Asm/
Cust DWG
and
Complete
Task



Complete Change
Notice Task



CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Browse to folder: TRAINING/Part and Sub-Assemblies/Mechanical/MCAD/TRN
- Click View information icon for Part: DashCam

The screenshot shows the Windchill CAD Management interface. At the top, the Windchill logo and user name 'remur' are visible. A red box highlights the text 'PRODUCTION Windchill rehost dated 1-June-2020'. A search bar and 'Quick Links' button are also present.

The main interface is divided into two main sections: 'Folders' and 'Folder Contents'.

Folders (13 objects):

- TRAINING
 - 0 - Documents
 - 1 - Final Assemblies
 - 2 - Parts and Sub-Assemblies
 - Electrical
 - ECAD
 - TRN
 - Manufacturing Parts
 - Mechanical** (highlighted with a red box)
 - MCAD
 - TRN** (highlighted with a red box)
 - Software
 - 3 - Changes and Promotions

Folder Contents (10 objects):

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

	Number	Name	Version
<input type="checkbox"/>	RO000067301	DashCam	01.2 (Engineering)
<input type="checkbox"/>	0000100006	DashCam	-1
<input type="checkbox"/>	0000100005	DashCam	-1
<input type="checkbox"/>	RO000067001	TRN COVER ASM	01.3 (Engineering)
<input type="checkbox"/>	0000100004	TRN COVER DWG	-1
<input type="checkbox"/>	0000100003	TRN GASKET PART	-1
<input type="checkbox"/>	RO000067201	TRN GASKET PART	01.1 (Engineering)
<input type="checkbox"/>	0000100002	TRN COVER PART	-1
<input type="checkbox"/>	RO000067101	TRN COVER PART	01.1 (Engineering)
<input type="checkbox"/>	0000100001	TRN COVER ASM	-1

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Select Structure TAB
- Click Display/Select All
- Click Show/CAD Documents
- Click Actions menu
- Select Save As

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. A search bar contains the text 'PRODUCTION Windchill rehost dated 1-June-2020'. The main content area shows a structure tree for 'RO000067301, DashCam, 01.2 (Engineering)'. The 'Actions' menu is open, with 'Save As' highlighted. The 'Part Attributes' panel on the right shows the following information:

Attributes	Classification	Visualization	Uses	Occurrences
Part Attributes				
Number:	RO000067301			
Name:	DashCam			
Version:	01.2 (Engineering)			
State:	Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled			
Status:	Checked in			
Modified By:	Roberto Temur			
Last Modified:	2020-06-06 21:37 EDT			
Weight:				
CN Number:				
Sync to Nexus:	No			
Component Classification:				

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Select All objects
- Click Set New Name icon



- Select Autogenerate for New Number
- Change Name and File Name as shown here
- Click OK

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (3 of 3 objects)

	Number	New Number	File Name
<input checked="" type="checkbox"/>	0000100005	000067701	DashCam.CA...
<input checked="" type="checkbox"/>	0000100006	000067601	DashCam.CA...
<input checked="" type="checkbox"/>	RO000067301	(Generated)	

(3 objects selected)

Options.. - Google Chrome
magna-dev5.ptcmscloud.com/Windchill/servlet/WindchillAuthGW/wt.e...

Set New Name

New Number:

Unchanged
 Autogenerate
 Generate document number based on related Part
 Change

From: *.* To: *.*

New Name:

Unchanged
 Autogenerate
 Change

From: *.* To: AsmCust_DWG_YNI *.*

New File Name:

Unchanged
 Same as number
 Same as name
 Change

From: *.* To: AsmCust_DWG_YNI *.*

OK Cancel

*Indicates required fields

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Validate names are as shown:
- YNI= your name initials
- If needed make corrections by typing
- Go to next slide

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (3 of 3 objects)

	Number	New Number	File Name	New File Name	Name	New Name
<input checked="" type="checkbox"/>	0000100005	000067701	DashCam.CA...	AsmCust_DWG_YNI_DashCam.CATProduct	DashCam	AsmCust_DWG_YNI_DashCam
<input checked="" type="checkbox"/>	0000100006	000067601	DashCam.CA...	AsmCust_DWG_YNI_DashCam.CATDrawing	DashCam	AsmCust_DWG_YNI_DashCam
<input checked="" type="checkbox"/>	RO000067301	(Generated)			DashCam	AsmCust_DWG_YNI_DashCam

(3 objects selected)

*Indicates required fields

OK Cancel

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Select All objects
- Click Set Location icon



- Select folder 2-Parts and Sub-Assemblies/Mechanical
- Click OK
- Click OK

Commonspace Save As

Current Settings: All dependents Latest : Engineering, Working

Save As As a List Default (3 of 3 objects)

		Number	New Number	File Name	New File Name	Name	New Name	Version
<input checked="" type="checkbox"/>		0000100005	000067801	DashCam.CA...	AsmCust_DWG_YNI_DashCam.CATProduct	DashCam	AsmCust_DWG_YNI_DashCam	-1
<input checked="" type="checkbox"/>		0000100006	000067901	DashCam.CA...	AsmCust_DWG_YNI_DashCam.CATDrawing	DashCam	AsmCust_DWG_YNI_DashCam	-1
<input checked="" type="checkbox"/>		RO000067301	(Generated)			DashCam	AsmCust_DWG_YNI_DashCam	01.2 (...)

Set Location (3 objects selected)

Context: TRAINING

Folder: /.
MCAD

/TRAINING/2 - Parts and Sub-Assemblies/Mechanical

Open **OK** Cancel

*Indicates required fields

OK Cancel

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Navigate to the new created Part: AsmCust_DWG_Y NI_DashCam
- Click Show/CAD Documents
- Select AsmCust_DWG_Y NI_DashCam.CAT Drawing
- Click RMB and select View Information Option

The screenshot displays the Windchill CAD Management interface. At the top, the user is logged in as 'rtemur' and the system is in 'PRODUCTION' mode, with a note 'Windchill rehost dated 1-June-2020'. The main title bar shows the component name: 'Mechanical Component - RO000069101, AsmCust_DWG_YNI_DashCam, 01.1 (Engineering)'. Below this, there are tabs for 'Details', 'Structure', 'Related Objects', 'Changes', 'History', 'Where Used', 'Traceability', 'AML/AVL', and 'Upstream/Downstream'. The 'Viewing' toolbar contains a 'Show' button, which is highlighted with a red box. The 'Identity' pane on the left shows a tree view with the following items: 'RO000069101, AsmCust_DWG_YNI_DashCam, 01.1 (Engineering)', 'AsmCust_DWG_YNI_DashCam.CATDrawing, -.1' (highlighted with a red box), and 'AsmCust_DWG_YNI_DashCam.CATProduct, -.1'. The 'Attributes' pane on the right displays the following information:

Attribute	Value
Number	000067901
Name	AsmCust_DWG_YNI_DashCam
Version	-.1
State	Draft - Development - Under Review - Prototype - DV Intent - Production - Obsolete - Canceled
Status	Checked in
Modified By	Roberto Temur
Last Modified	2020-06-08 21:11 EDT

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Click Actions
- Select Copy
- Click Home icon

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A red box highlights the text 'PRODUCTION Windchill rehost dated 1-June-2020'. A search bar and 'Quick Links' button are also present. The main content area shows a CAD drawing titled 'Other - AsmCust_DWG_YNI_DashCam.CATDrawing, -.1'. A context menu is open over the drawing, with the 'Actions' dropdown menu expanded. The 'Copy' option is highlighted with a red box. Below the drawing, the 'Visualization and Attributes' section provides details: File Name: AsmCust_DWG_YNI_DashCam.CATDrawing, Number: 000067901, Name: AsmCust_DWG_YNI_DashCam, Status: Checked in, Modified By: Roberto Temur, Last Modified: 2020-06-08 21:11 EDT. The 'General' section lists: Version: -.1, Authoring Application: CATIA V5, Type: MCADDocument, Document Category: Other, Generic: No, Instance: No, Missing Dependents: No, Incomplete Object: No. The 'Object Specific' section lists: Alternate Number, Mass, Material, and ADW Managed Design: No. The interface includes a 'Search | Browse' sidebar and a 'Navigator' sidebar.

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Identify the task with subject: Mechanical Assy/Customer Dwg
- Click Complete Change Notice link for identified task
- Read the Description

The screenshot displays the Windchill CAD Management interface. At the top, a home icon is highlighted with a red box. Below it, the 'My Tasks' section shows a table of tasks. The task 'Complete Change Notice Task' is highlighted with a red box. The detailed view of this task is shown below, with the 'Description' field also highlighted with a red box.

Tasks | Updates | Checked-Out Work (5 objects)

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly	Reviewer	Under
Complete Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Assignee	Implem

Task - Magna Change Activity Workflow_CT0000041-Complete Change Notice Task

Attributes

Subject: Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg

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_CT0000041-Mechanical Assy/Customer Dwg

Subject Attributes

Change Notice: Change Notice - CN0000032
Change Notice Name: CN3_YNI_TRN
Name: Mechanical Assy/Customer Dwg
Need Date:
Description: Update and release Customer Drawing for Manufacturing Final Assembly part. 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.

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

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

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A 'Change Request' dropdown menu and a search bar are also present. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000041-Complete Change Notice Task' with an 'Implementation' link. Two tabs are visible: 'Details' and 'Resulting Objects', with the latter highlighted in red. Below the tabs, the section 'Complete Resulting Objects' is shown with a filter set to 'All' and '(0 objects)'. A toolbar contains various icons, with the 'Edit' icon (a pencil) highlighted in red. Below the toolbar is a table with columns for 'Identity', 'Name', 'State', and 'Comments'. The table is currently empty. At the bottom, a status bar indicates '(0 objects selected)'. A vertical sidebar on the left contains the text 'Search | Browse' and 'Navigator'.

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Go to Resulting Objects Table

- Click Paste



- Set Release Target to : Production

- Click Finish button

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects

Affected Objects All (0 objects)

Edit Change Task

1 Set Attributes 2 Select Affected/Resulting Objects 3 Select Associations

Affected Objects All (0 objects)

Copy Paste Paste Selection Remove Add Affected Objects Collect Objects Revise New Sequence Actions Search in table

	Number ↑	Version	Name	On Order	Work-in-Process	Finished	Annotation Sets	Comm
+ Add by Number (0 objects selected)								

Resulting

+ Add by Number (0 objects selected)

Resulting Objects All (1 objects)

Copy Paste Paste Selection Remove Add Resulting Object Refresh Collect Objects Set Release Target Actions Search in table

	Number ↑	Version	Name	State	Release Target	Comments
	000067901	-.1	AsmCust_DWG_YNI_DashCam	Draft	Production	

+ Add by Number (0 objects selected)

Back Next **Finish** Cancel

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Note AsmCust_DWG_YNI_DashCam_DWG is set as Resulting Object
- Click Details TAB

The screenshot shows the Windchill user interface. At the top, the Windchill logo and user name 'rtetur' are visible. A notification banner reads 'PRODUCTION Windchill rehost dated 1-June-2020'. A search bar and 'Quick Links' are also present. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000278-Complete Change Notice Task' with an 'Implementation' status. Two tabs are visible: 'Details' (highlighted with a red box) and 'Resulting Objects'. Below the tabs, the section 'Complete Resulting Objects' shows a table with one object. The table has columns for 'Identity', 'Name', 'State', and 'Comment'. The object listed is 'AsmCust_DWG_YNI_DashCam.CATDrawing, -1' with state 'Draft'. A red box highlights the object name and its associated icons. A toolbar above the table includes actions like 'Copy', 'Check In', 'Check Out', 'Undo Checkout', 'Mass Change', 'Add to Workspace', 'Set Effectivity', and 'Edit'. A 'Search in table' field is also present. The bottom of the interface shows '(0 objects selected)' and a 'Navigator' sidebar on the left.

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

Recently Accessed

Actions Task - Magna Change Activity Workflow_CT0000278-Complete Change Notice Task Implementation ?

Details Resulting Objects

Complete Resulting Objects

Complete Resulting Objects All (1 objects)

Copy Check In Check Out Undo Checkout Mass Change Add to Workspace Set Effectivity Edit Actions Search in table ?

Identity	Name	State	Comment
AsmCust_DWG_YNI_DashCam.CATDrawing, -1	AsmCust_DWG_YNI_...	Draft	

(0 objects selected)

Navigator

CAD Management

Step8: Create Asm/Cust DWG and Complete Task

- Scroll Down the page
- Enter Comments as needed
- Click Complete Task

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. A 'Change Request' dropdown menu and a search bar are also present. The breadcrumb navigation shows 'Products > TRAINING > Tasks'. The main content area is titled 'Task - Magna Change Activity Workflow_CT0000041-Complete Change Notice Task' with an 'Implementation' status. The 'Resulting Objects' tab is active, showing 'Attributes | Subject Attributes | Task Completion'. Under 'Subject Attributes', the 'Change Notice' is 'Change Notice - CN0000032', the 'Change Notice Name' is 'CN3_YNI_TRN', and the 'Name' is 'Mechanical Assy/Customer Dwg'. The 'Description' states: 'Update and release Customer Drawing for Manufacturing Final Assembly part. 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.' Under 'Task Completion', the 'Comments' field contains 'Mechanical Assy/Customer Dwg Completed'. At the bottom right, there are 'Save' and 'Complete Task' buttons, with 'Complete Task' highlighted by a red box.

windchill® itemur Change Request Search ... Quick Links

Products > TRAINING > Tasks Recently Accessed

Task - Magna Change Activity Workflow_CT0000041-Complete Change Notice Task Implementation ?

Details Resulting Objects

Attributes | Subject Attributes | Task Completion

Process: Magna Change Activity Workflow_CT0000041-Mechanical Assy/Customer Dwg

Subject Attributes

Change Notice: Change Notice - CN0000032

Change Notice Name: CN3_YNI_TRN

Name: Mechanical Assy/Customer Dwg

Need Date:

Description: Update and release Customer Drawing for Manufacturing Final Assembly part. 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.

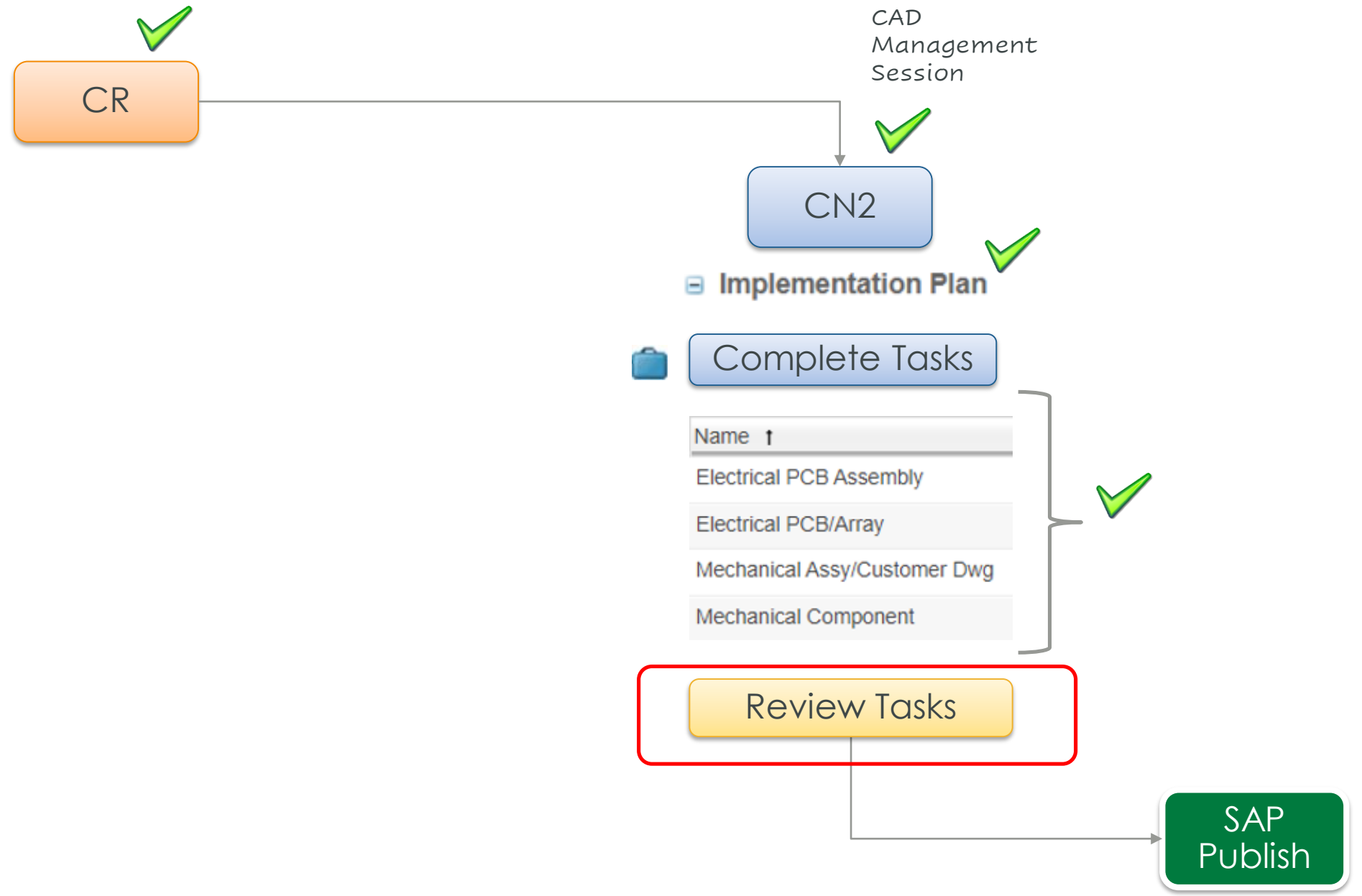
Task Completion

Comments: Mechanical Assy/Customer Dwg Completed

Save Complete Task

CAD Management

Review Change Notice Tasks



CAD Management

Step9: Review Change Notice Task

- Click Home icon to refresh Page
- Note all tasks are generated for Review
- Open Review Change Notice Task for Electrical PCB Assembly subject

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'itemur' are visible. A 'Change Request' dropdown menu is set to 'Change Request', and a search bar is present. The main content area is divided into two sections: 'My Tasks' and 'Updates'.

My Tasks Section: This section shows a list of tasks under the 'Open' filter. The table has columns for Name, Subject, Role, and State. One task is highlighted with a red box:

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000040,Electrical PCB Assembly	Reviewer	Under

Updates Section: This section shows a list of updates under the 'Most Recent' filter. The table has columns for Name, Number, Version, State, and Last Modified:

Name	Number	Version	State	Last Modified
CN3_YNI_TRN	CN0000032		Implementation	2020-05-13
CR_Where_Used	CN0000028		Implementation	2020-05-11
CR_Where_Used	CR0000044		Implementation	2020-05-11
PR2_TRN	000002		Running	2020-05-11
FA2_TRN	GP000006601	01.2 (Engineering)	Draft	2020-05-11
Hardware2Change_TRN	RO000006701	01.1 (Engineering)	Draft	2020-05-11
Final_Assembly_YNI_Changed_Twiced	GP000003803	01.1 (Holly)	Draft	2020-05-11
CN2_YNI_TRN	CN0000021		Resolved	2020-05-08
Final_Assembly_YNI_Changed	GP000003802	01.5 (Holly)	Production	2020-05-08

CAD Management

Step9: Review Change Notice Task

- 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

The screenshot displays the Windchill CAD Management interface. At the top, the user 'itemur' is logged in, and the current view is 'Change Request'. The breadcrumb path is 'Products > TRAINING > Tasks'. The main task is 'Task - Magna Change Activity Workflow_CT0000040-Review Change Notice Task', which is 'Under Review'. The 'Resulting Objects' tab is active, showing a table of affected parts. A red box highlights the subject link 'Magna Change Task - CT0000040,Electrical PCB Assembly'. Another red box highlights the 'Affected / Resulting Objects' tab in a secondary window. A third red box highlights the 'View Info' icon for the first object in the table.

Task Details:

- Subject:** Magna Change Task - CT0000040,Electrical PCB Assembly
- Instructions:** You have been selected as a reviewer for this change notice task.
1. Review the object displayed.
2. Review the Resulting Objects table on the information page of the subject.

Resulting Objects Table:

Number	Version	Name	State	Release Target
RO000006101	01.10 (Engineering)	PCB.Asm-TEST,No Sources,5/8	Draft	Production
RO000004001	01.29 (Engineering)	PCB.Asm-TEST,No Sources,5/8	Draft	Prototype

Task Information:

- Change Notice:** Change Notice - CN0000032
- Change Notice Name:** CN3_YNI_TRN
- Name:** Electrical PCB Assembly
- Need Date:**
- Description:** Update and release affected Electrical PCB Assembly and associated Schematic and Assembly Drawings. Confirm BOM structure for Electrical PCB 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

CAD Management

Step9: Review Change Notice Task

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

The screenshot displays the Windchill CAD Management interface for a task titled "Task - Magna Change Activity Workflow_CT0000040-Review Change Notice Task". The user is logged in as "itemur". The breadcrumb path is "Products > TRAINING > Tasks". The task status is "Under Review".

The interface is divided into several sections:

- Process Status:** A table showing the current state of the task. It is highlighted with a red box. It contains three rows of data:

	Name	Assignee	Role	Vote	Comments	Completed By
	Review Change Notice Task	Roberto Temur	Reviewer			
✓	Set Assignee & Reviewer	Roberto Temur	LeadElectricalEngineer			Roberto Temur
✓	Complete Change Notice T...	Roberto Temur	Assignee		Electrical PCB Created	Roberto Temur

Task History: A table showing the history of the task. It is currently empty, indicated by "(0 objects)".

Name	Original Assignee	New Assignee	Action	Performed By	Reason for Action	Performed On
------	-------------------	--------------	--------	--------------	-------------------	--------------

Task Completion: A section for finalizing the task. It includes a "Comments:" text area (highlighted with a red box) and "Routing Options:" with two radio buttons: "Complete" (selected and highlighted with a red box) and "Rework".

At the bottom right, there are two buttons: "Save" and "Complete Task" (highlighted with a red box).

CAD Management

Step9: Review Change Notice Task

Complete the remaining Review Tasks repeating same steps as:

- 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 (4 objects)

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000042,Electrical PCB/Array	Reviewer	Under

(0 objects selected)

Tasks | Updates | Checked-Out Work

My Tasks Open (3 objects)

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Reviewer	Under
Review Change Notice Task	Magna Change Task - CT0000043,Mechanical Component	Reviewer	Under

(0 objects selected)

Tasks | Updates | Checked-Out Work

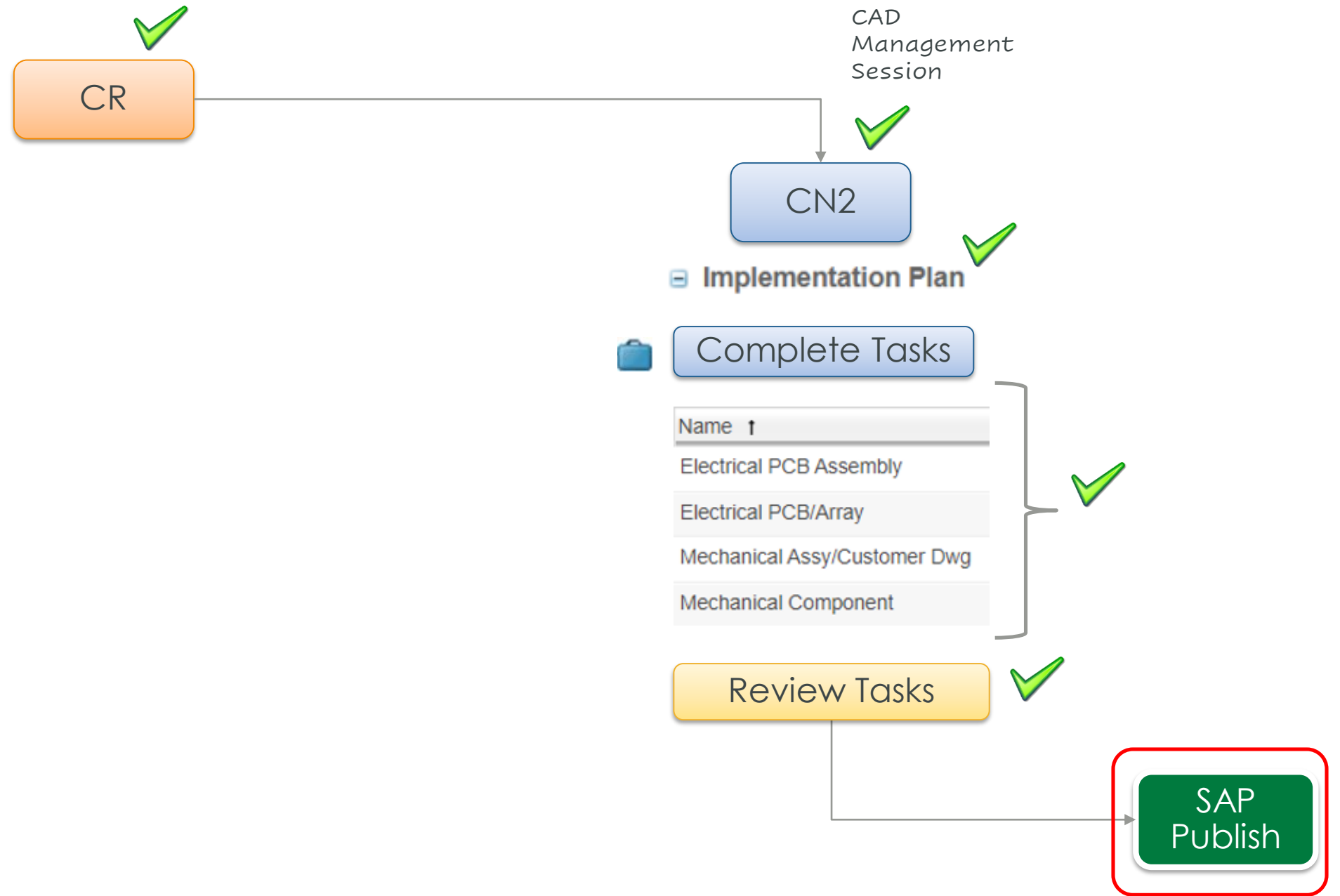
My Tasks Open (2 objects)

Name	Subject	Role	State
Review Change Notice Task	Magna Change Task - CT0000041,Mechanical Assy/Customer Dwg	Reviewer	Under

(0 objects selected)

CAD Management

Confirm Publishing to SAP



BOM Management

Step 10: Confirm Publishing to SAP

- If you get this Task that means the Operational CM Role is missing
- Select your Change Notice CN2_YNI_TRN to add the role

The screenshot shows the Windchill BOM Management interface. At the top, the user is logged in as 'rtemur' and the environment is 'PRODUCTION Windchill rehost dated 1-June-2020'. The main navigation bar includes 'Tasks | Updates | Checked-Out Work'. A task is highlighted with a red box, showing the name 'Operational CM group Role need to be filled in' and the subject 'Change Notice - CN0000250,CN2_YNI_TRN'. Below this, the 'Updates' section is visible, showing a list of 25 objects. The table below lists various updates, with 'CN2_YNI_TRN' highlighted in orange and its number 'CN0000250' circled in red.

Name	Number	Version	State
YNI_Variant_PCBA	000000657	A.1	In Work
YNI_FAB	000000653	A.1	In Work
YNI_PCBA	000000654	A.1	In Work
Electrical_YNI_PCB.Asm	RO000068501	01.1 (Engineering)	Draft
Electrical_YNI_PCB	RO000068601	01.1 (Engineering)	Draft
CN2_YNI_TRN	CN0000250		Implementation
CN1_YNI_TRN	CN0000249		Resolved
FinalAssembly_YNI	GP000068301	01.2 (Holly)	Production
Packaging_YNI	VF000068401	01.1 (Holly)	Production

BOM Management

Step 10: 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 (CN0000245) in the 'Process' tab. The 'Members' section is expanded, and the 'Actions' menu is open, highlighting the 'Add Roles' option. A dialog box titled 'Add Roles to Team' is displayed, showing a list of organization roles. The 'Operational CM group' role is highlighted in red. The 'OK' button in the dialog box is also highlighted in red.

Windchill logo and user 'itemur' are visible at the top. The page title is 'PRODUCTION Windchill rehost dated 1-June-2020'. The search bar is empty. The 'Quick Links' dropdown is visible. The 'Recently Accessed' dropdown is also visible.

The 'Change Notice - CN0000245' header is visible. The 'Implementation' status is shown. The 'Process' tab is selected. The 'Members' section is expanded, showing a list of roles/members. The 'Add Roles' option is highlighted in the 'Actions' menu. The 'Add Roles to Team' dialog box is open, showing a list of organization roles. The 'Operational CM group' role is highlighted in red. The 'OK' button in the dialog box is also highlighted in red.

Navigation sidebar: Search | Browse, Navigato

JavaScript code: javascript:var abc = doNothing() departmentHead

BOM Management

Step 10: Confirm Publishing to SAP

- Select Add participant for Operational CM group Role added
- Type your user name
- Click Search
- Click OK

The screenshot shows the Windchill interface for managing a change notice (CN0000038). The 'Members' section is active, and the 'Operational CM group' role is selected. The 'Find Participant' dialog box is open, allowing the user to search for a participant. The search criteria are set to 'User' in the 'Context'. The 'User Name' field is filled with 'rtemur'. The 'Search' button is highlighted, and the search results list 'Roberto Temur (rtemur: Magna Electronics)'. The 'Assign to Role' dropdown is set to 'Operational CM group', and the 'Participant List' contains 'Roberto Temur (rtemur: Magna Electronics)'. 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)

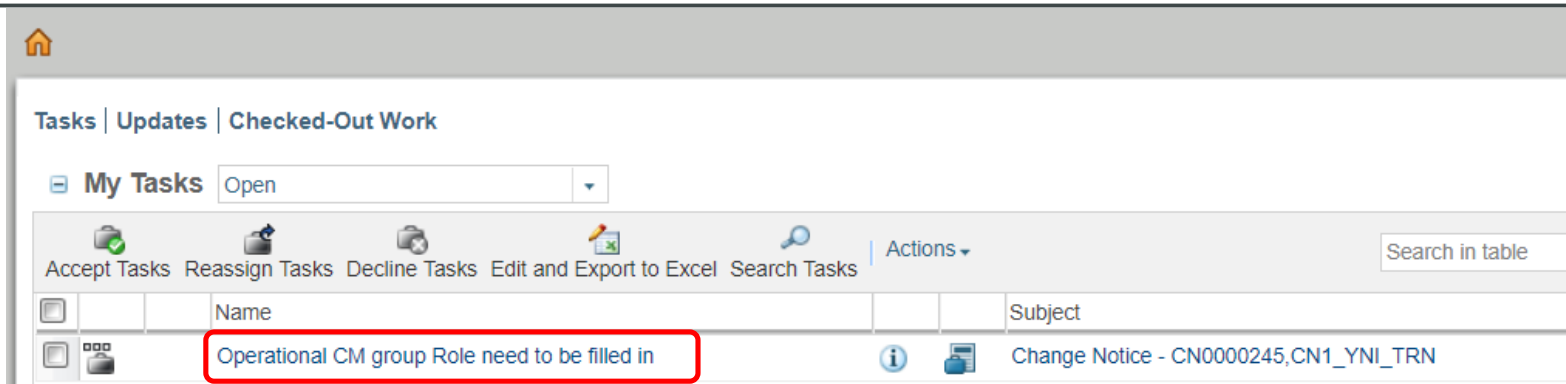
Assign to Role:

Participant List:
Roberto Temur (rtemur: Magna Electronics)

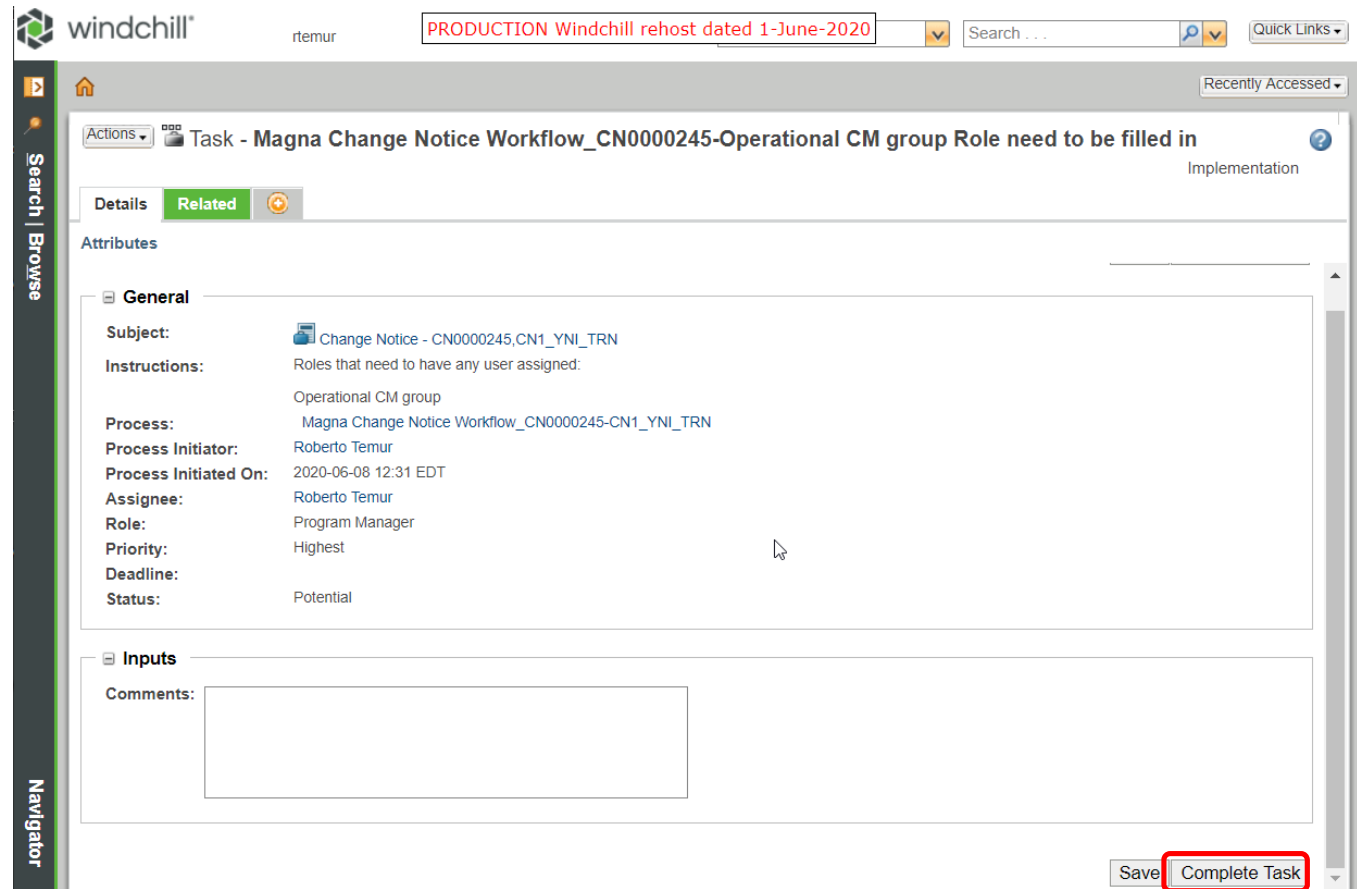
BOM Management

Step 10: Confirm Publishing to SAP

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



The screenshot shows the 'My Tasks' page in Windchill. At the top, there are navigation links for 'Tasks', 'Updates', and 'Checked-Out Work'. Below this is a 'My Tasks' section with a dropdown menu set to 'Open'. A toolbar contains icons for 'Accept Tasks', 'Reassign Tasks', 'Decline Tasks', 'Edit and Export to Excel', and 'Search Tasks', along with an 'Actions' dropdown and a 'Search in table' input field. A table below the toolbar has columns for 'Name' and 'Subject'. The first row in the table is highlighted with a red box and contains the text 'Operational CM group Role need to be filled in' under the 'Name' column and 'Change Notice - CN0000245,CN1_YNI_TRN' under the 'Subject' column.



The screenshot shows the 'Task - Magna Change Notice Workflow_CN0000245-Operational CM group Role need to be filled in' details page in Windchill. The page title is 'Task - Magna Change Notice Workflow_CN0000245-Operational CM group Role need to be filled in' with 'Implementation' as a sub-title. The page has tabs for 'Details' and 'Related'. Under the 'Attributes' section, there is a 'General' tab. The 'General' tab contains the following information: 'Subject: Change Notice - CN0000245,CN1_YNI_TRN', 'Instructions: Roles that need to have any user assigned: Operational CM group', 'Process: Magna Change Notice Workflow_CN0000245-CN1_YNI_TRN', 'Process Initiator: Roberto Temur', 'Process Initiated On: 2020-06-08 12:31 EDT', 'Assignee: Roberto Temur', 'Role: Program Manager', 'Priority: Highest', 'Deadline: Potential', and 'Status: Potential'. Below the 'General' tab is an 'Inputs' section with a 'Comments:' label and a text area. At the bottom right of the page, there are 'Save' and 'Complete Task' buttons, with the 'Complete Task' button highlighted with a red box.

CAD Management

Step 10: Confirm Publishing to SAP

- Click Home icon to refresh page
- New task is generated
- Click task Name to open : Confirm Ready to Publish to SAP

The screenshot shows the Windchill CAD Management interface. At the top, there is a header with the Windchill logo, the user name 'itemur', a 'Change Request' dropdown, a search bar, and a 'Quick Links' dropdown. Below the header, there is a navigation bar with a 'Home' icon (highlighted with a red box) and a 'Recently Accessed' dropdown. The main content area is divided into two sections: 'My Tasks' and 'Updates'.

My Tasks (2 objects)

Name	Subject	Role	State
Confirm Ready to Publish to S...	Change Notice - CN0000032,CN3_YNI_TRN	Operational CM group	Imple...

(0 objects selected)

Updates (15 objects)

Name	Number	Version	State	Last Modified
CN3_YNI_TRN	CN0000032		Implementation	2020-05-13
CR_Where_Used	CN0000028		Implementation	2020-05-11
CR_Where_Used	CR0000044		Implementation	2020-05-11
PR2_TRN	000002		Running	2020-05-11
FA2_TRN	GP000006601	01.2 (Engineering)	Draft	2020-05-11
Hardware2Change_TRN	RO000006701	01.1 (Engineering)	Draft	2020-05-11
Final_Assembly_YNI_Changed_Twiced	GP000003803	01.1 (Holly)	Draft	2020-05-11
CN2_YNI_TRN	CN0000021		Resolved	2020-05-08
Final_Assembly_YNI_Changed	GP000003802	01.5 (Holly)	Production	2020-05-08
Packaging_YNI_Changed	VE000004302	01.1 (Holly)	Production	2020-05-08
Packaging_YNI	VE000004301	01.1 (Holly)	Draft	2020-05-08
Mechanical_YNI_Changed	RO000003602	01.3 (Engineering)	Production	2020-05-08
Manuf_Asm_YNI	RO000004201	01.1 (Holly)	Draft	2020-05-08

CAD Management

Step 10: Confirm Publishing to SAP

- Review All Resulting Objects by using Subject Link
- Enter Comments
- Select Ready as disposition
- Click Complete Task

The screenshot displays the Windchill CAD Management interface. At the top, the Windchill logo and user name 'rtemur' are visible. A navigation breadcrumb shows 'Products > TRAINING > Tasks'. The main title of the task is 'Task - Magna Change Notice Workflow_CN0000032-Confirm Ready to Publish to SAP'. The interface is divided into sections: 'Attributes' and 'Inputs'. In the 'Attributes' section, the 'Subject' is 'Change Notice - CN0000032,CN3_YNI_TRN', which is highlighted with a red box. Below it, 'Instructions' provide details on reviewing objects for correctness. Other attributes include 'Process', 'Process Initiator' (Roberto Temur), 'Process Initiated On' (2020-05-13 18:12 EDT), 'Assignee' (Roberto Temur), 'Role' (Operational CM group), 'Priority' (Highest), 'Deadline', and 'Status' (Potential). The 'Inputs' section contains a 'Comments' text area and 'Routing Options' with radio buttons for 'Ready' (selected) and 'Not Ready'. At the bottom right, there are 'Save' and 'Complete Task' buttons, with the latter highlighted by a red box. A vertical sidebar on the left contains 'Search | Browse' and 'Navigator' labels.

CAD Management

Step 10: Confirm Publishing to SAP

- Process Complete
- Note your CN is Resolved

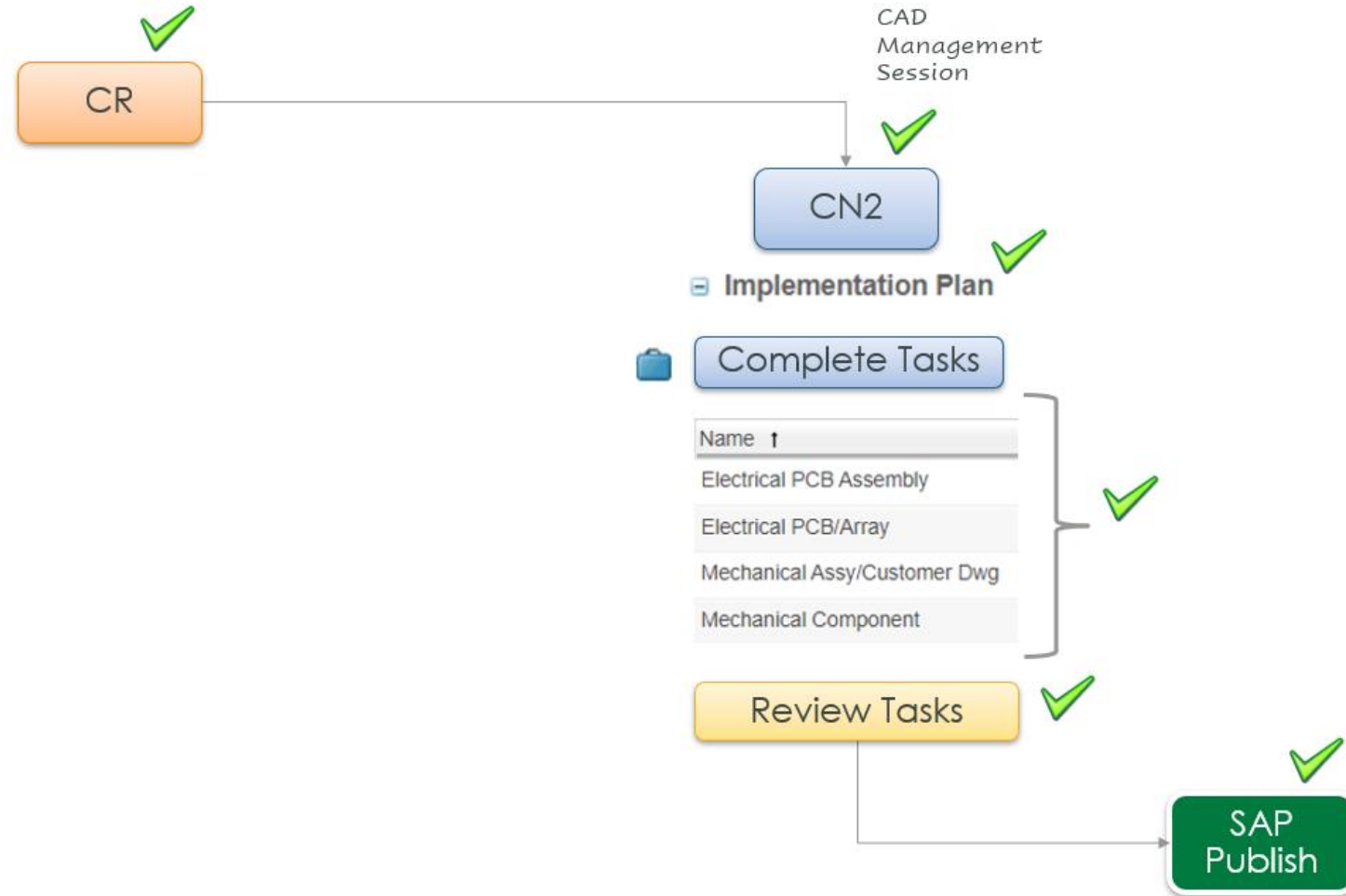
The screenshot shows the Windchill CAD Management interface. At the top, the user is logged in as 'remur'. The main navigation bar includes 'Change Request', a search field, and 'Quick Links'. The left sidebar has 'Search | Browse' and 'Recently Accessed'. The main content area is divided into 'Tasks | Updates | Checked-Out Work'. The 'My Tasks' section shows one object. The 'Updates' section shows 15 objects, with one object highlighted in orange and a red box around it. The highlighted object is 'CN3_YNI_TRN' with number 'CN0000032' and state 'Resolved'.

Name	Number	Version	State	Last Modified
CN3_YNI_TRN	CN0000032		Resolved	2020-05-14

CAD Management

All Task Completed:

1. Validate existing CR
2. Create New CN
3. Setup CN Participants
4. Create ECAD Design
5. Complete PCM.Asm Task
6. Complete PCB Task
7. Create MCAD Component and Complete Task
8. Create AsmDwg and Complete Task
9. Complete Review Tasks
10. Publish to SAP



This concludes the Exercise