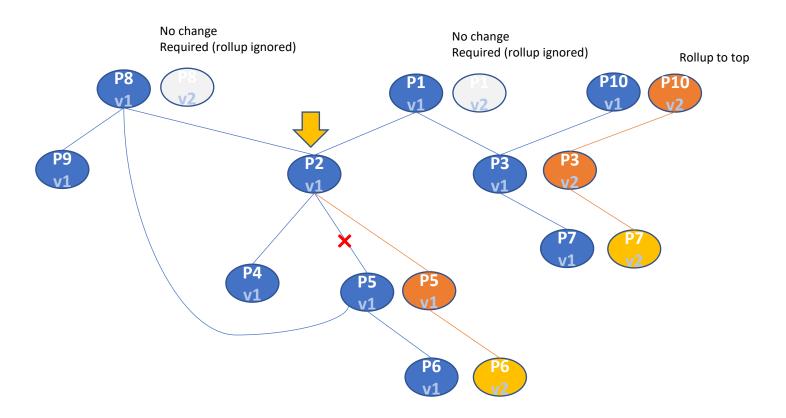
# ECN Change Rollup Wizard

Solution Package

# Introduction – Change Rollups

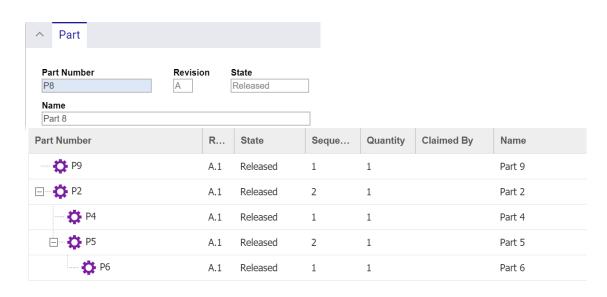


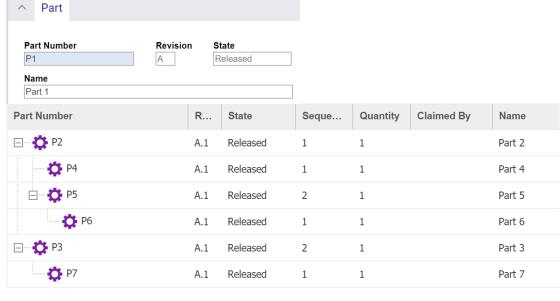
- Start Items in change scenario
- Impacted Items in change scenario
- FFF interchangability
- Orphaned link (traceability is lost due to FFF decision)

### Purpose

- Extend standard ECN capability
- Allow to define change rollup decisions (to top, ignore, to level below top)
- Automate adding of impacted items from "where used" to "affected Items"

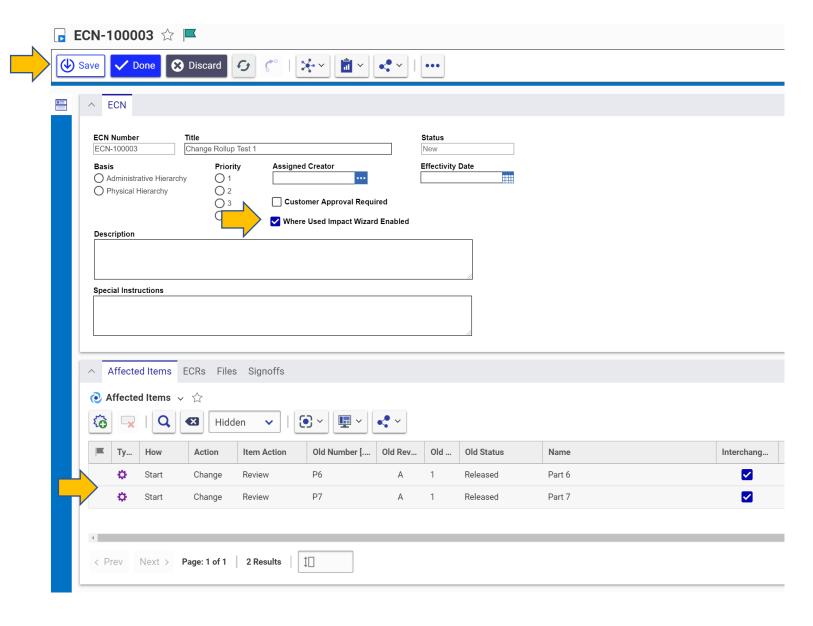
# Sample Data for Change Rollup



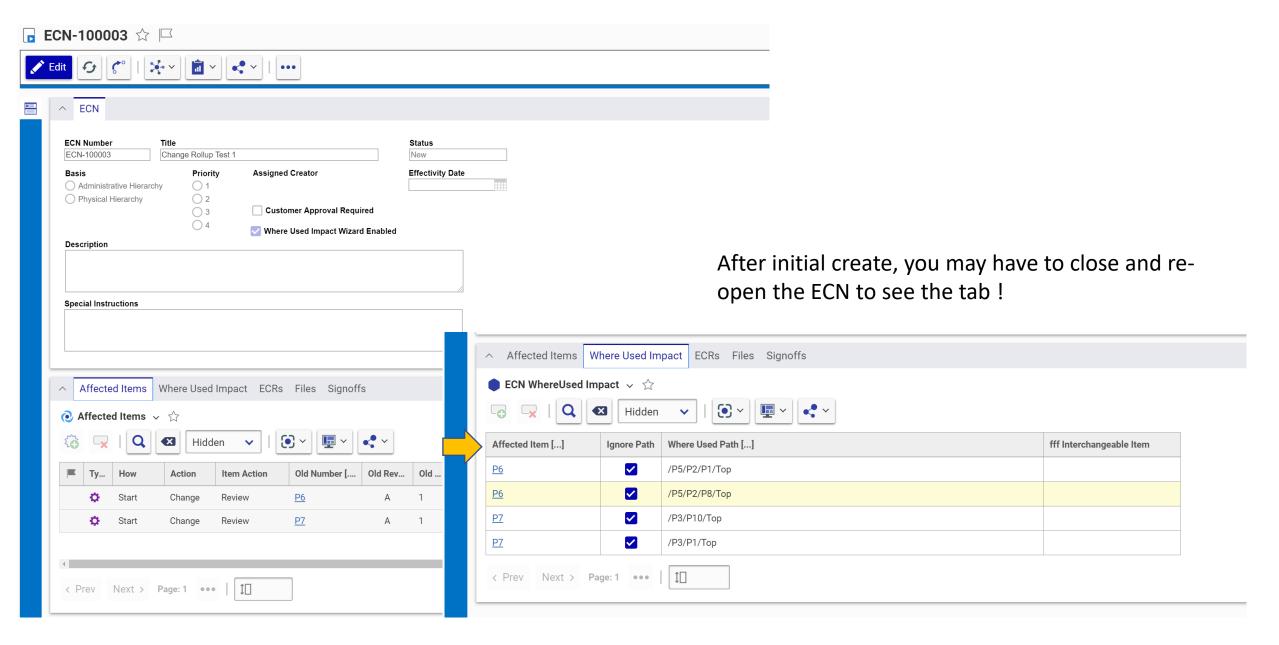




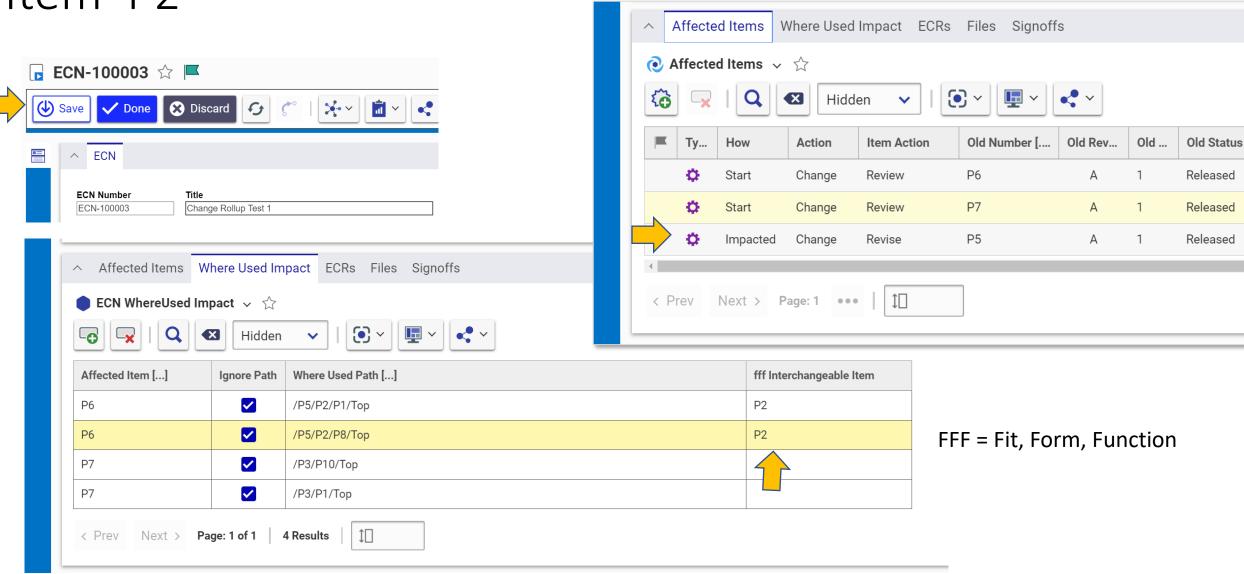
# Create ECN with the "Start" Items



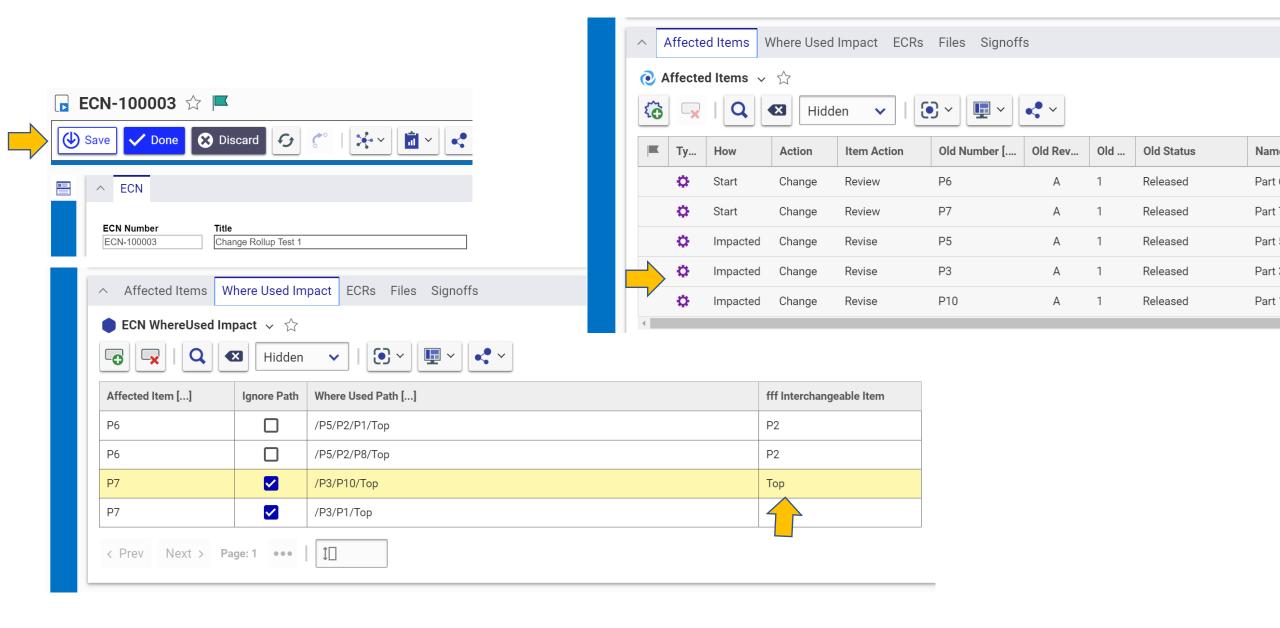
# See automatically populated "Where Used Impact"



Define FFF interchangeable Item P2



# Define Rollups to "Top"



# Change "Review" Item Action to "Revise"

Impacted

Impacted

Impacted

Change

Change

Change

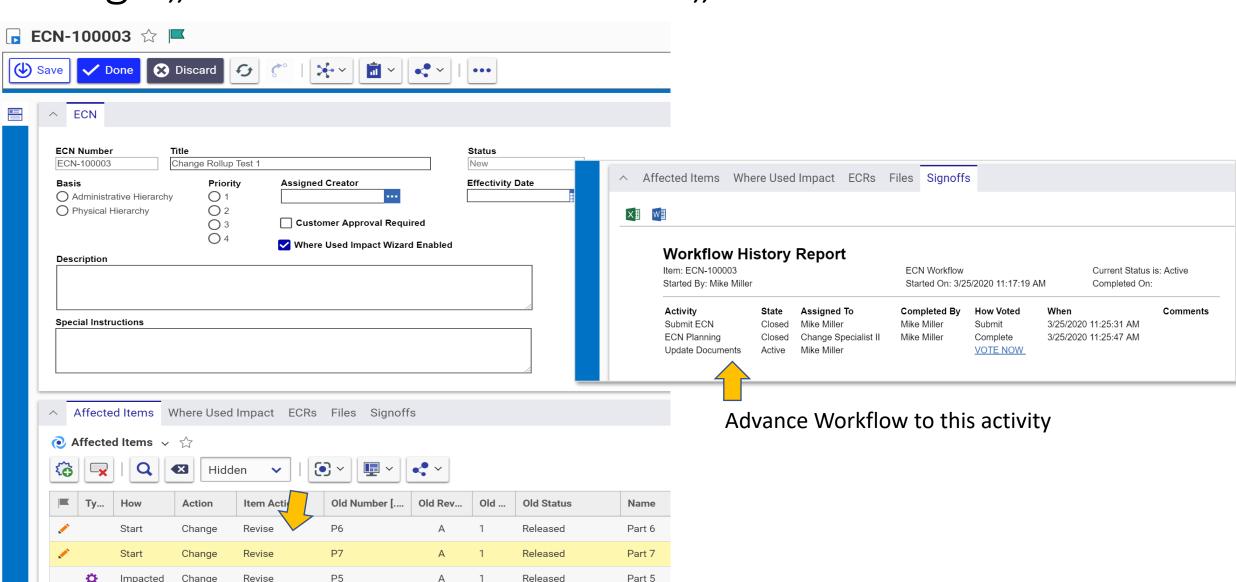
Revise

Revise

Revise

Р3

P10



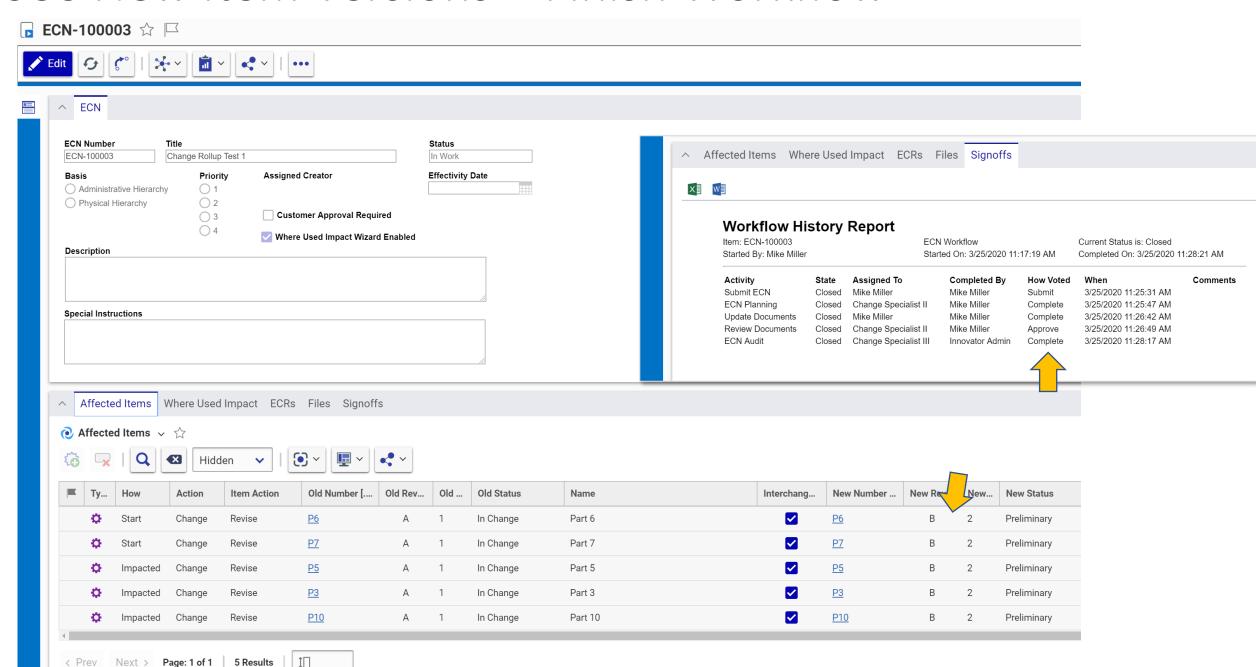
Part 3

Part 10

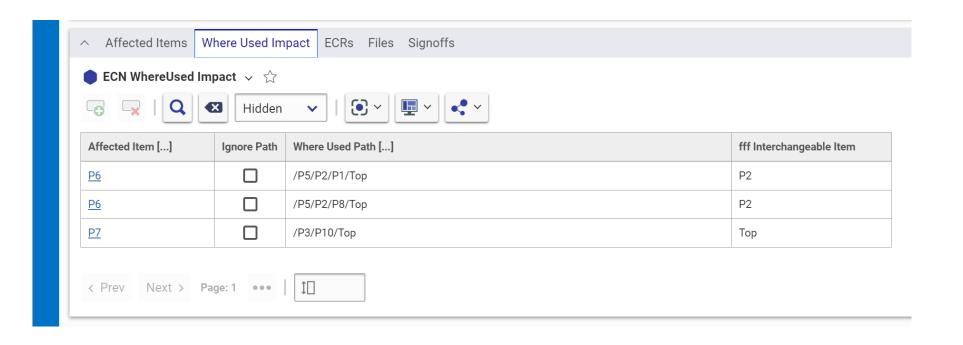
Released

Released

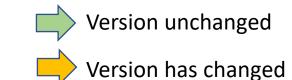
### See New Item Versions - Finish Workflow

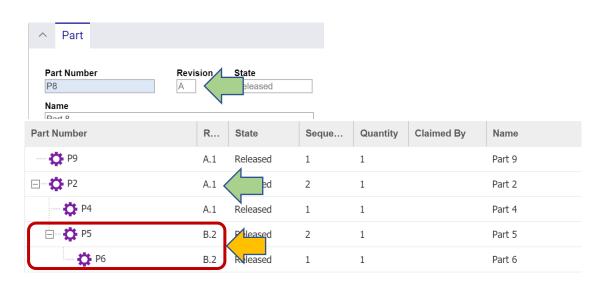


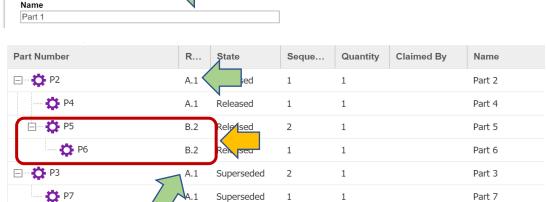
# On finished ECNs – Ignored paths are removed



# BOMs after Change – P8, P1, P10



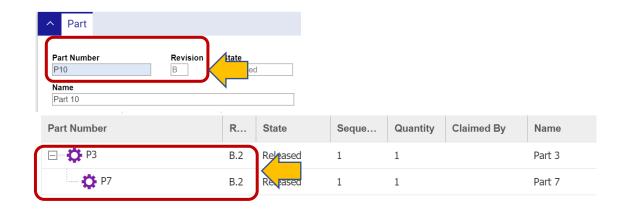




^ Part

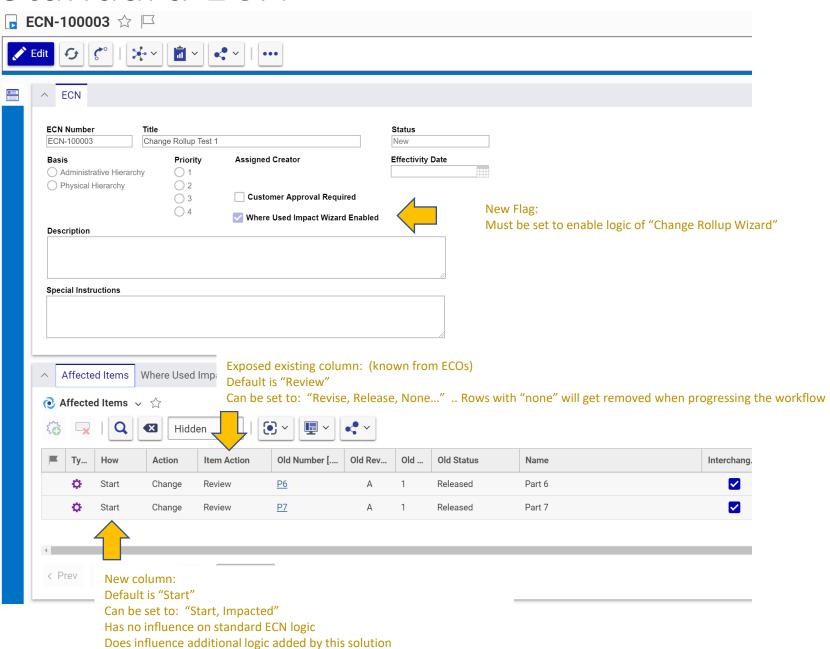
Part Number

Revision

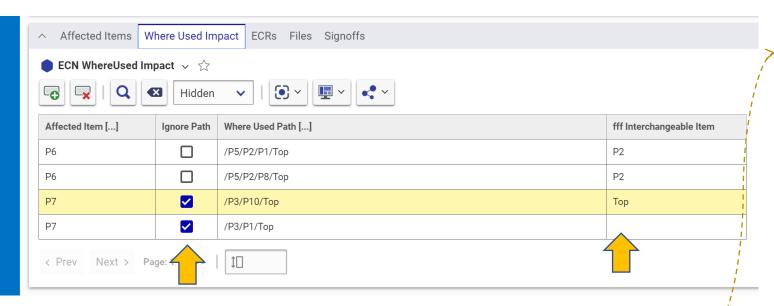


# Implementation Details

#### Standard ECN



# Change Rollup Wizard (new tab)



Rows are added automatically from "Affected Items" marked with "Start" These 2 columns are editable.

"Wizard" will add items from path to "Affected Items" marked with "Impacted" based on defined rules

#### **Rules for setting interchangable FFF items:**

If a fff number is entered and ignore path is checked, it will be unchecked.

If ignore path is unchecked and no FFF item is set in the same row, the number will be set to "Top"

The number will be checked against the "path" in the same row and must exist there.

If the FFF number does also exists in other rows, and one of these rows already has another FFF number (or "Top") set, then an error will inform about this conflict (

If the FFF number does also exists in other rows, and none of these rows has a FFF number set, then these rows will also get the same FFF number set.

If ignore path is checked on a row that has an FFF number set, then all rows with the same FFF number will also get the ignore path checked and FFF number on all rows will be cleared.

#### Rules for synching Affected Item from interchangable FFF items settings:

- (1) For all rows with the ignore path checked:
- All items that are listed on Affected Items (other tab) marked as "Impacted" and that are also listed on the Where Used Paths will be removed from the Affected Items.
- (2) For all rows with the ignore path unchecked:
- All items at lower levels as the listed FFF number (to the left of FFF number in path) will be added to the Affected Items list (other tab) marked as "Impacted"

