Allow Cosmetic Changes for Engineering Change Control

There may be times that when you make changes to the operations of an ECC controlled item, there is no need to change the revision/release number because this has no impact on the end product.

In SYSPRO 7, an option ‘Allow cosmetic changes’ against ECC has been added. With this option selected, when applying BOM changes to an affected item, the program will check whether cosmetic or significant changes have been made against the BOM.

Cosmetic changes include:
- Operation changes
- Component changes to fields not on the significant change list (below)

For these changes, you will be prompted to keep the revision and release number of a product unchanged.

Significant changes are changes that materially impact the composition or functionality of the part. These include:
- Components added and deleted
- Revision (Component)
- Release (Component)
- Unit of Measure
- Quantity per
- Fixed quantity flag
- Parent per fixed quantity
- Structure on date
- Structure off date
- Include from job number
- Include to job number
- Scrap percentage
- Scrap quantity
- Warehouse to use
For these changes, no prompt is displayed and the revision/release of the product is changed.

Let’s see how this works with an example. To allow cosmetic changes against ECC items, go to SYSPRO ribbon bar > Setup > Manufacturing > Bill of Materials Setup > Engineering Change Control
Select option ‘Allow cosmetic changes’

Now go to ECC Change Order program to maintain existing ECO. The current revision for Stock code ECC200 is #00003 in ECO number 2.
We are going to make changes to the operation of this stock code.

In Structures & Routings, we change Work Center from MBFA to MBWA for operation 1. This is considered as cosmetic change.
After change has been made on the operation, go back to ECO order maintenance to ‘Apply BOM Changes’.

Because we have enabled option to ‘Allow cosmetic changes’, we get a prompt to ‘Save cosmetic changes without changing the revision/ release’. Select ‘Yes’ to not change the revision number.
New revision number stays as #00003. Cosmetic change has been applied without changing the revision number.