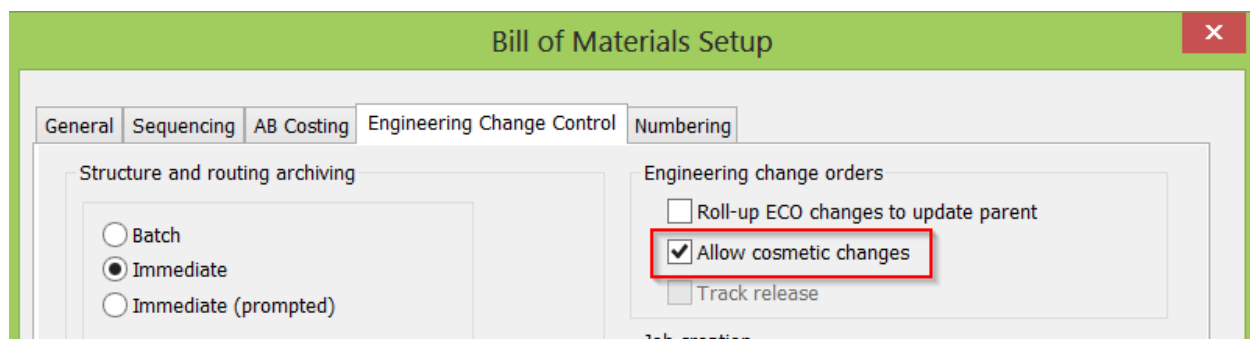


Allow Cosmetic Changes for Engineering Change Control

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)

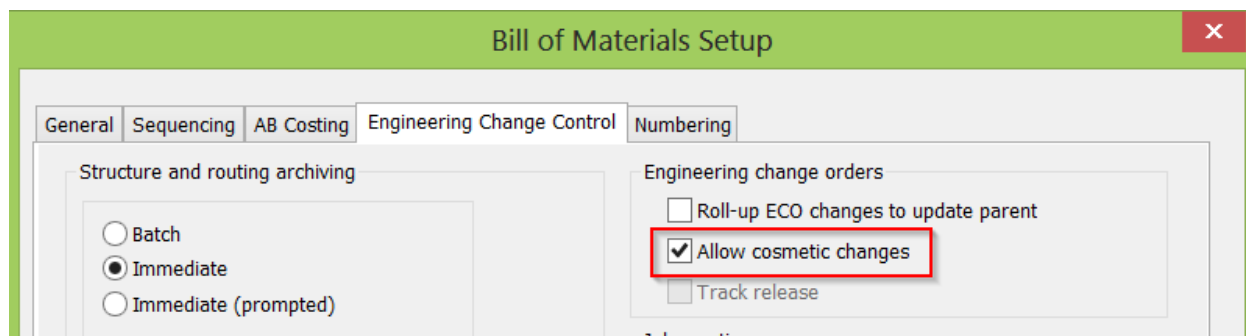
For these changes, you will be prompted to keep the revision and release number of a product unchanged.

Significant changes are changes that materially impact the composition or functionality of the part. These include:

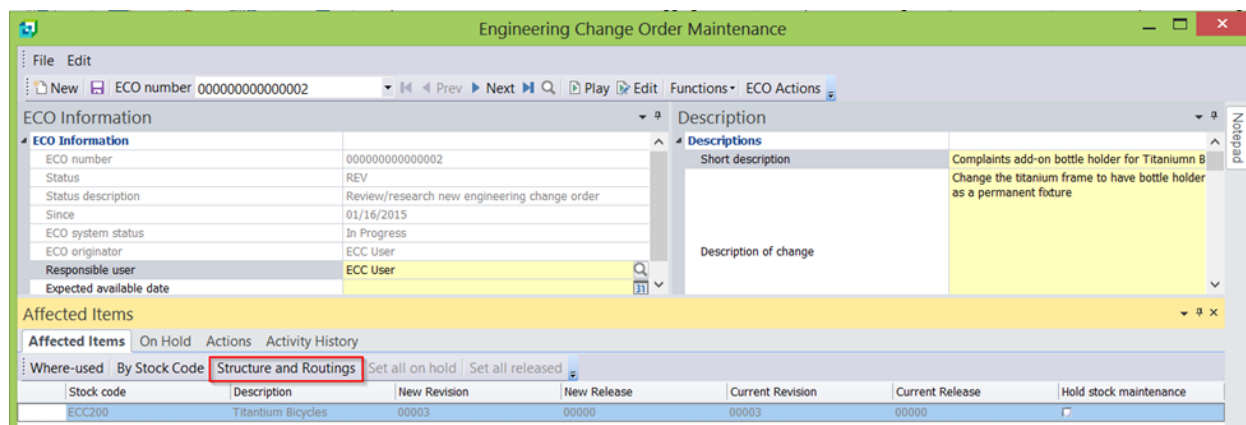
- Components added and deleted
- Revision (Component)
- Release (Component)
- Unit of Measure
- Quantity per
- Fixed quantity flag
- Parent per fixed quantity
- Structure on date
- Structure off date
- Include from job number
- Include to job number
- Scrap percentage
- Scrap quantity
- Warehouse to use

For these changes, no prompt is displayed and the revision/release of the product is changed.

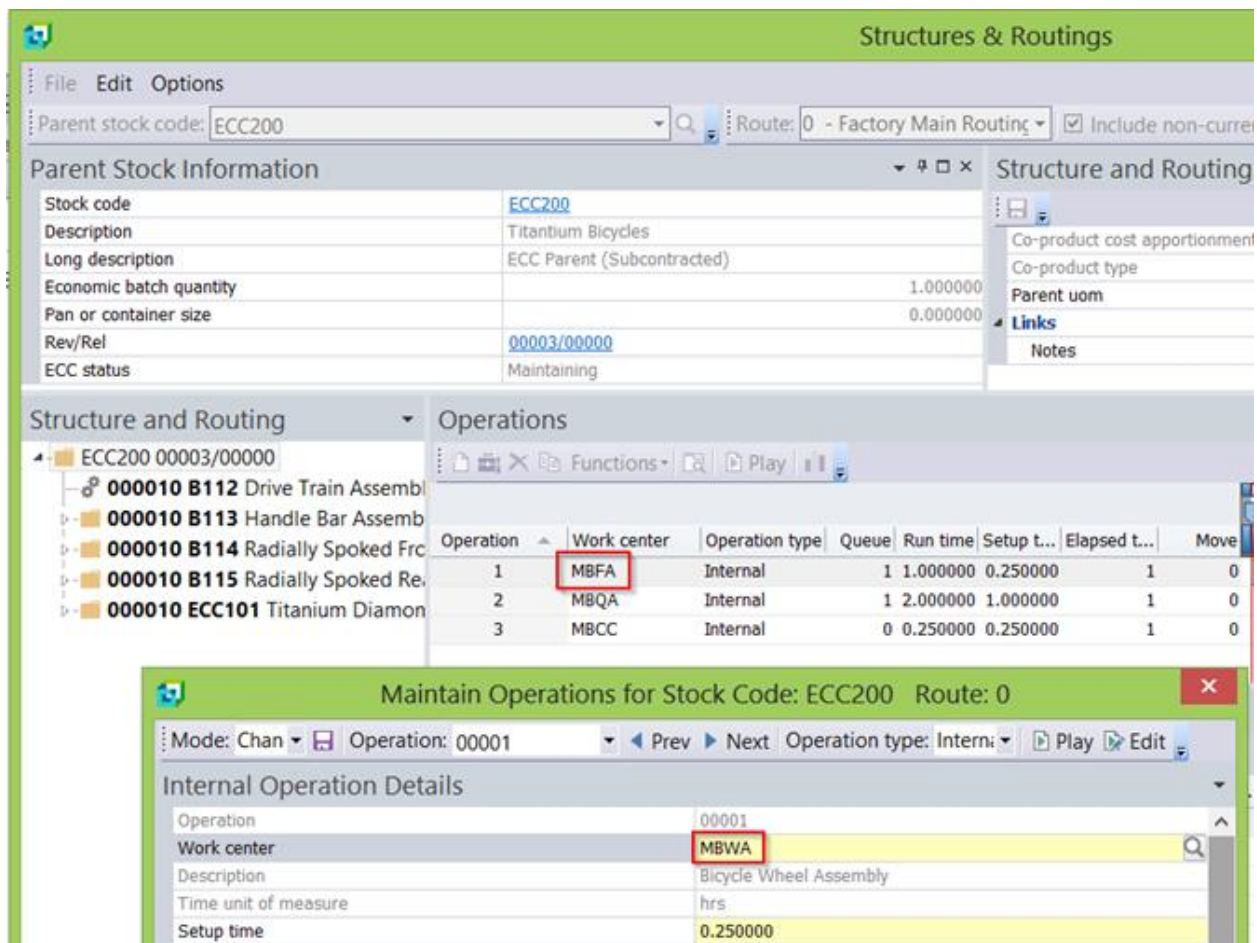
Let's see how this works with an example. To allow cosmetic changes against ECC items, go to SYSPRO ribbon bar > Setup > Manufacturing > Bill of Materials Setup > Engineering Change Control
Select option 'Allow cosmetic changes'



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.

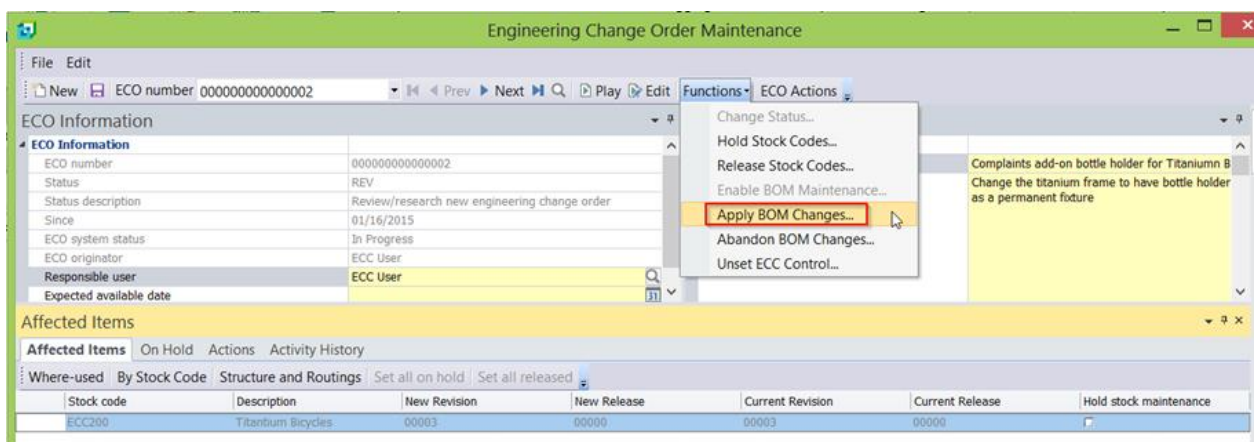


The screenshot shows the 'Structures & Routings' window for stock code ECC200. The parent stock information includes: Stock code ECC200, Description Titanium Bicycles, Long description ECC Parent (Subcontracted), Economic batch quantity 1.000000, Pan or container size 0.000000, Rev/Rel 00003/00000, and ECC status Maintaining. The 'Structure and Routing' section shows a tree view with operations 000010 B112 through B115 and ECC101. The 'Operations' table is as follows:

Operation	Work center	Operation type	Queue	Run time	Setup t...	Elapsed t...	Move
1	MBFA	Internal	1	1.000000	0.250000	1	0
2	MBQA	Internal	1	2.000000	1.000000	1	0
3	MBCC	Internal	0	0.250000	0.250000	1	0

An inset window titled 'Maintain Operations for Stock Code: ECC200 Route: 0' shows 'Internal Operation Details' for operation 00001 at work center MBWA, with description 'Bicycle Wheel Assembly', time unit 'hrs', and setup time '0.250000'.

After change has been made on the operation, go back to ECO order maintenance to 'Apply BOM Changes'.

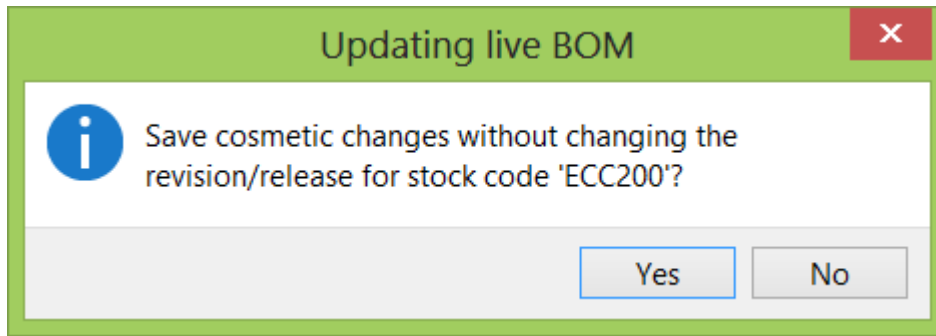


The screenshot shows the 'Engineering Change Order Maintenance' window for ECO number 0000000000000002. The 'ECO Information' section includes: ECO number 0000000000000002, Status REV, Status description Review/research new engineering change order, Since 01/16/2015, ECO system status In Progress, ECO originator ECC User, and Responsible user ECC User. The 'Affected Items' table is as follows:

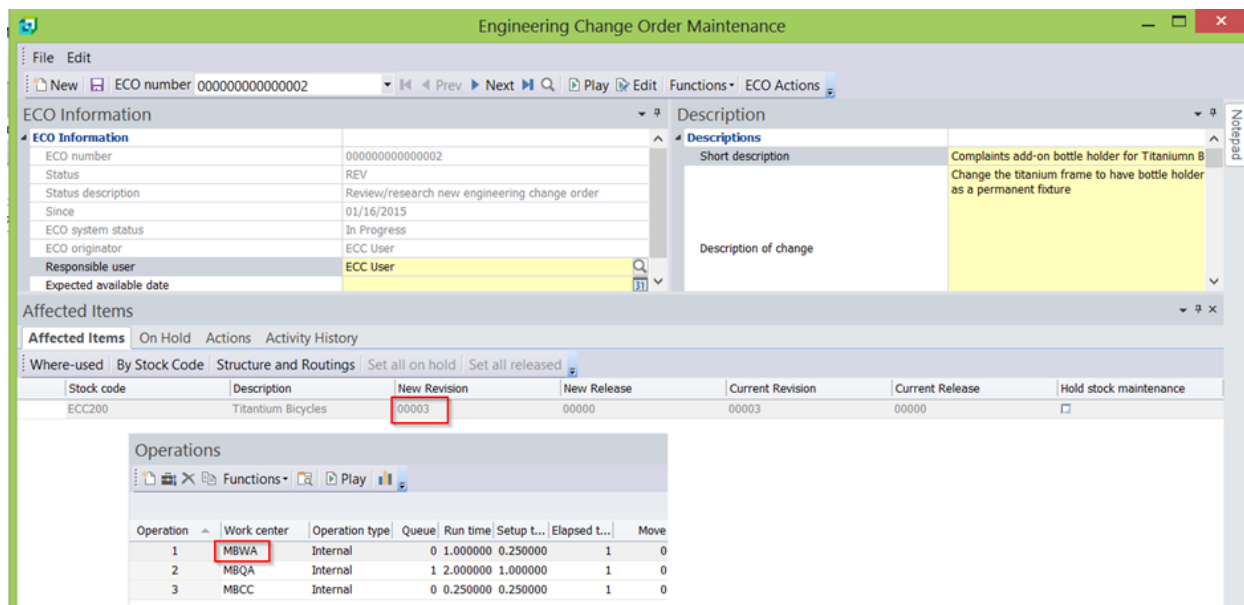
Stock code	Description	New Revision	New Release	Current Revision	Current Release	Hold stock maintenance
ECC200	Titanium Bicycles	00003	00000	00003	00000	<input type="checkbox"/>

The 'Functions' menu is open, showing 'ECO Actions' with 'Apply BOM Changes...' highlighted.

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



Engineering Change Order Maintenance

File Edit

New ECO number 000000000000002

ECO Information

ECO number	000000000000002
Status	REV
Status description	Review/research new engineering change order
Since	01/16/2015
ECO system status	In Progress
ECO originator	ECC User
Responsible user	ECC User
Expected available date	

Description

Short description: Complaints add-on bottle holder for Titanium Bicycles

Description of change: Change the titanium frame to have bottle holder as a permanent feature

Affected Items

Stock code	Description	New Revision	New Release	Current Revision	Current Release	Hold stock maintenance
ECC200	Titanium Bicycles	00003	00000	00003	00000	<input type="checkbox"/>

Operations

Operation	Work center	Operation type	Queue	Run time	Setup t...	Elapsed t...	Move
1	MBWA	Internal	0	1.000000	0.250000	1	0
2	MBQA	Internal	1	2.000000	1.000000	1	0
3	MBCC	Internal	0	0.250000	0.250000	1	0