



Engineering Change Control

Objective

To enable SYSPRO users to better manage engineering changes to products and/or associated data. This change management is achieved through user defined work flow, steps and processes.

The Value of Engineering Change Control

- Define workflow to document and control product design changes
- Assign product design tasks to specific users/groups of users
- Transfer tasks between users/groups of users
- Define new task notifications, outstanding task reminders and electronic sign-off
- Control BOM and/or routings maintenance with mandatory Engineering Change Order's (ECO)
- Optionally prevent creation or maintenance of purchase orders, jobs and sales orders for products on an ECO
- Retrieve previous revisions of BOMs, routings and jobs from archives for production as planned or as built

Integration

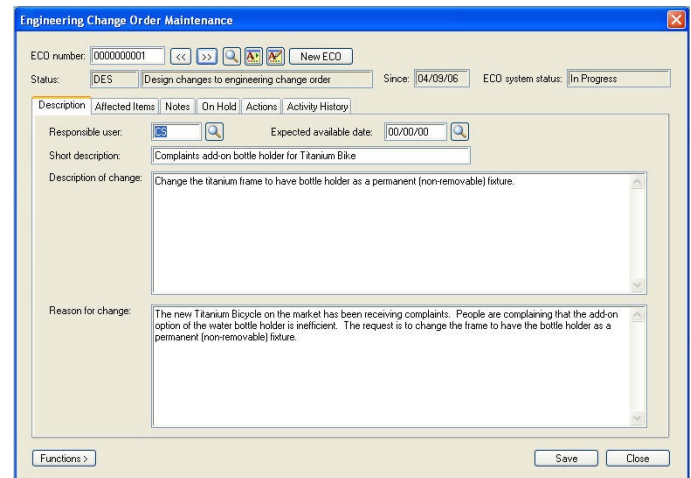
- Integrates with the following modules:
 - Inventory (Essential)
 - Sales Orders
 - Purchase Orders
 - Bill of Materials (Essential)
 - Quotations
 - Work in Progress

Audit trails and reporting

- Report on status of all Change Orders
- Report on all Revisions and Releases held against ECC controlled items
- Listing of ECC users, Status Codes and Routings

Matching Engineering Change Control to your business

- Govern revision/release sensitivity at stock code level
- Keep track of product-related data such as drawings, circuit diagrams, CNC programs
- Enforce security and controls in the ECC process
- Govern the ECO cycle using meaningful user-defined status codes
- Define any number of user-defined statuses with associated routings
- Movement between statuses can be automatic or manual
- Trigger an associated event when an ECO is moved into a status
- Identify affected products against an ECO
- Identify existing jobs, purchase orders and sales orders relating to the affected products on the ECO with where-used queries



Engineering Change Order Maintenance

ECO number: 0000000001 New ECO

Status: DES Design changes to engineering change order Since: 04/09/06 ECO system status: In Progress

Description Affected Items Notes On Hold Actions Activity History

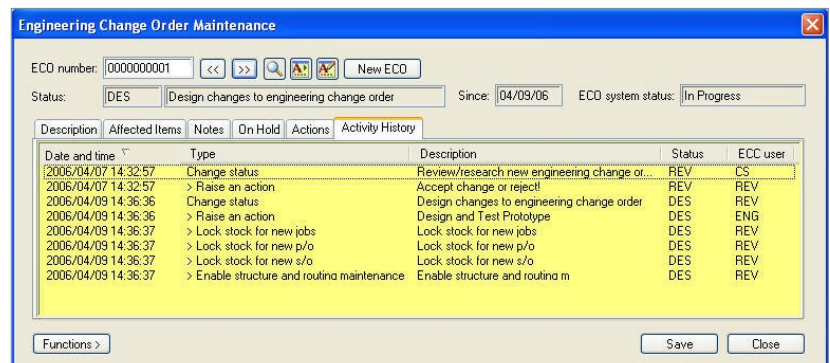
Responsible user: [User] Expected available date: 00/00/00

Short description: Complaints add on bottle holder for Titanium Bike

Description of change: Change the titanium frame to have bottle holder as a permanent (non-removable) feature.

Reason for change: The new Titanium Bicycle on the market has been receiving complaints. People are complaining that the add-on option of the water bottle holder is inefficient. The request is to change the frame to have the bottle holder as a permanent (non-removable) feature.

Buttons: Functions > Save Close



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Date and time	Type	Description	Status	ECC user
2006/04/07 14:32:57	Change status	Review/research new engineering change or...	REV	CS
2006/04/07 14:32:57	> Raise an action	Accept change or reject	DES	REV
2006/04/09 14:36:36	Change status	Design changes to engineering change order	DES	REV
2006/04/09 14:36:36	> Raise an action	Design and Test Prototype	DES	ENG
2006/04/09 14:36:37	> Lock stock for new jobs	Lock stock for new jobs	DES	REV
2006/04/09 14:36:37	> Lock stock for new p/o	Lock stock for new p/o	DES	REV
2006/04/09 14:36:37	> Lock stock for new s/o	Lock stock for new s/o	DES	REV
2006/04/09 14:36:37	> Enable structure and routine maintenance	Enable structure and routine m	DES	REV

Buttons: Functions > Save Close