



## Engineering Change Control

SYSPRO's Engineering Change Control solution helps you improve the management of engineering changes to your products and/or associated data. This is achieved through user-defined workflow, steps and processes and can augment or replace the paper trail that usually accompanies any changes to product design data. The archiving facility enables retrieval and production of prior revisions / releases.

### 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

### Matching Engineering Change Control to your business

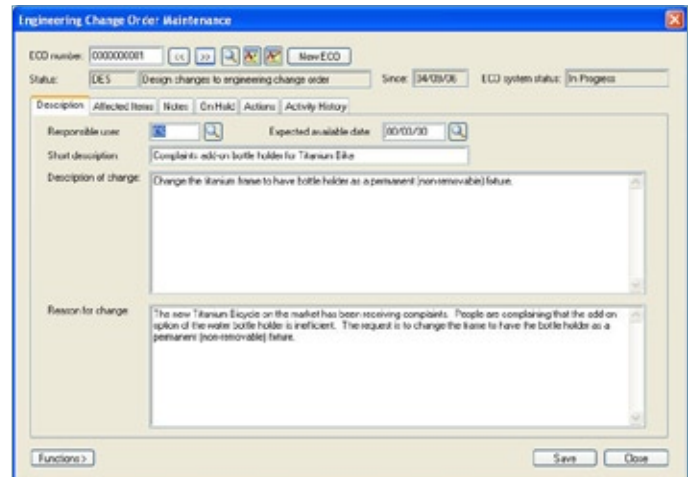
- Govern revision/release sensitivity at stock code level
- Keep track of product-related data such as drawings, circuit diagrams and CNC programs
- Enforce security and controls in the ECC process
- Govern the ECO cycle using meaningful user-defined status codes
- Define any number of user-defined statuses 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

### Integration

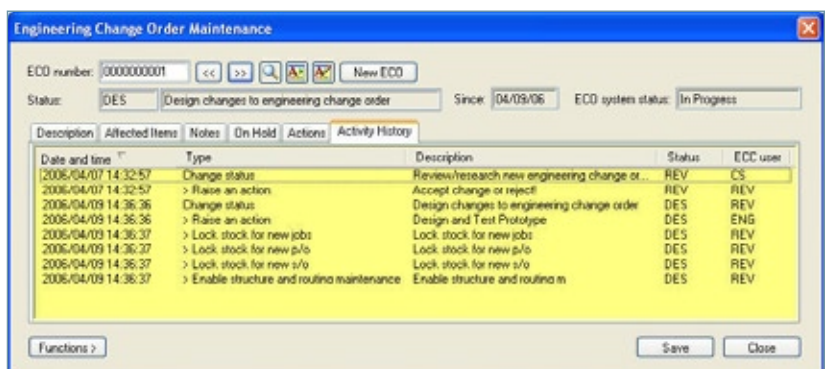
- Integrates with the following modules:
  - Bill of Materials (Essential)
  - Inventory (Essential)
  - Purchase Orders
  - Quotations
  - Sales Orders
  - Work in Progress

### 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



The screenshot shows the 'Engineering Change Order Maintenance' window. The 'Description' field contains the text: 'Change the status line to have bottle holder as a permanent (non-removable) feature.' The 'Reason for change' field contains the text: 'The new Titansus Ecycle 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 line to have the bottle holder as a permanent (non-removable) feature.'



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