Master Data Management

Maintains the factory model and all the manufacturing master data

Overview

Master data management handles the creation and management of all the factory model as well as the management, versioning, and change control of critical master data objects.

Instead of linking the different objects in a hard-coded way, the system makes usage of a flexible context resolution mechanism for maximum re-usability and minimum maintenance effort. For example, a recipe may be defined for a specific product and also more generically to a product group. When resolving the recipe to be used, the system will look first for the specific product match and if one is not found, it will look for the more generic product group match.

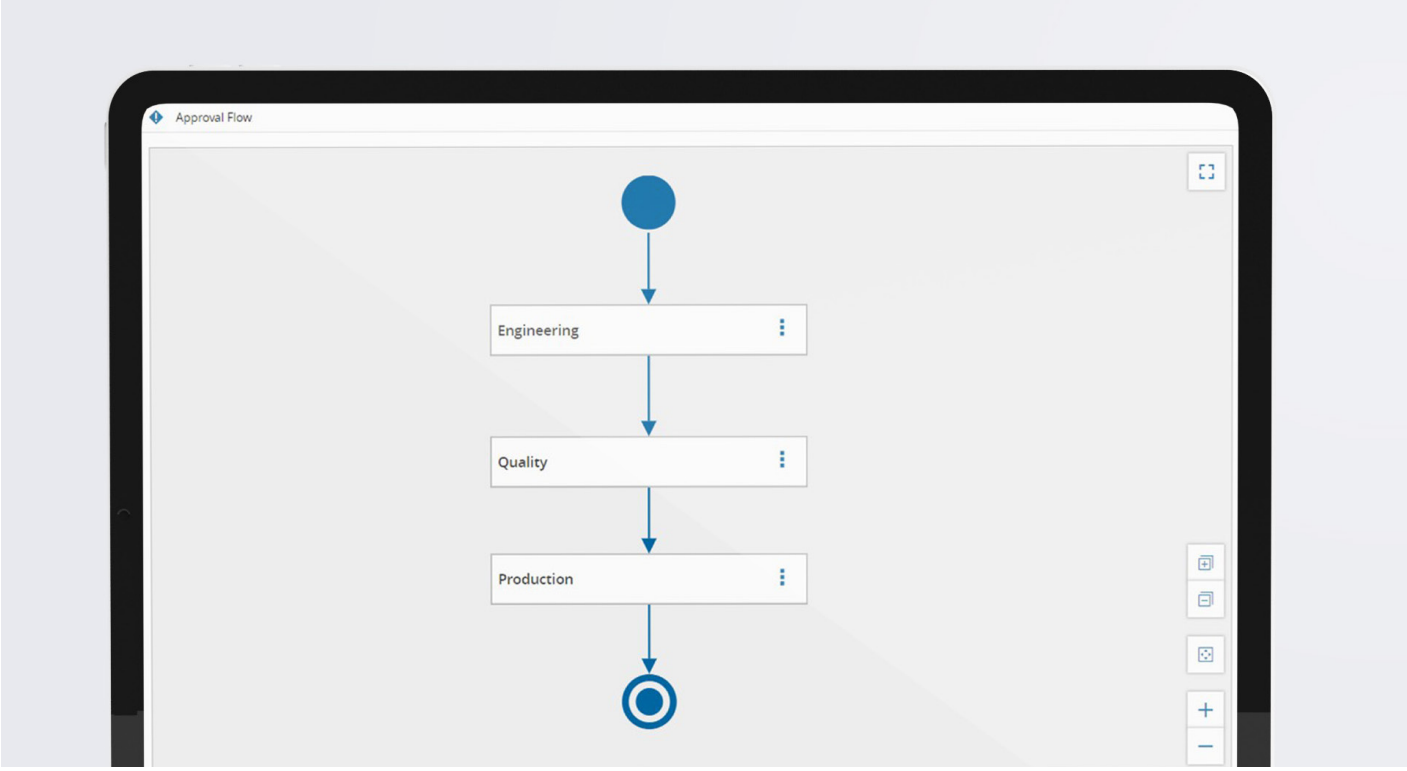


Figure 1 Custom approval flow

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Key Features

- Change control with user defined approval workflows.
- Approval workflows with email notifications.
- Enforcement of approval workflows based on object and type.
- Approval of multiple changes together as part of one Change Set.
- Email notifications with the ability to subscribe and unsubscribe to approval workflow changes.
- My Approvals page to check pending approvals for a certain user.
- Support for configurable Products with flexible Product Characteristics Rules.
- Object linkage via context resolution for maximum re-usability.
- Report that includes all the detailed processing information for a particular Product or Material.
- Provision of all master data maintenance functions as APIs which facilitates integration with other systems.
- Provision of a master data loader utility for mass creation of objects based on a predefined Microsoft® Excel® template and that is particularly useful during the initial setup. The application also supports the export of existing system data into the Microsoft® Excel® file template.
- Versioning scheme with two levels with the capability to apply changes immediately or only for new objects
- Ability to set a Revision as default for a predefined time interval.
- Ability to view the complete version history and to revert to a previous version.
- Support of mass-updates that affect multiple objects in a single operation.
- Ability to visually compare any two objects or object versions to easily check for differences.

Benefits

- Faster approval of master data changes
- Increased visibility of master data changes
- Improved regulatory compliance
- Increased process control
- Reduction in the opportunity for errors

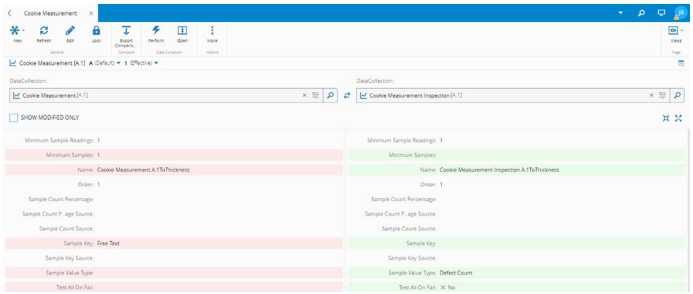


Figure 2 Visual object comparison

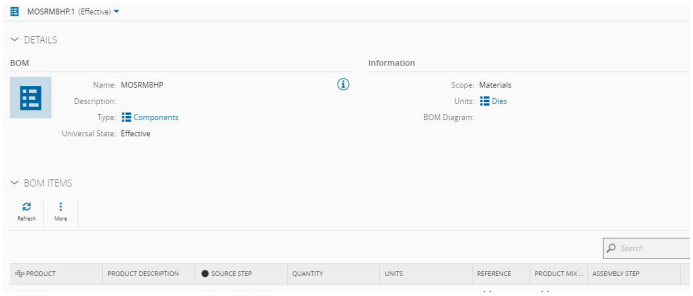


Figure 3 BOM definition

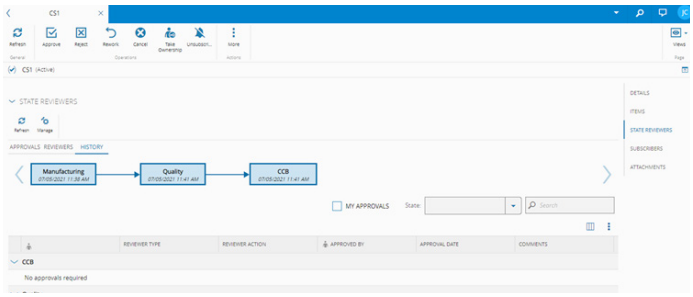


Figure 4 Approval history

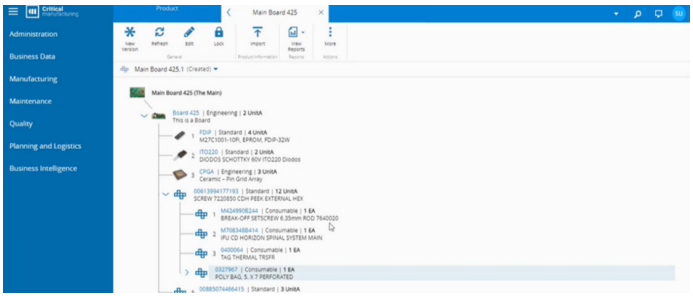


Figure 5 Product BOM structure visualization

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