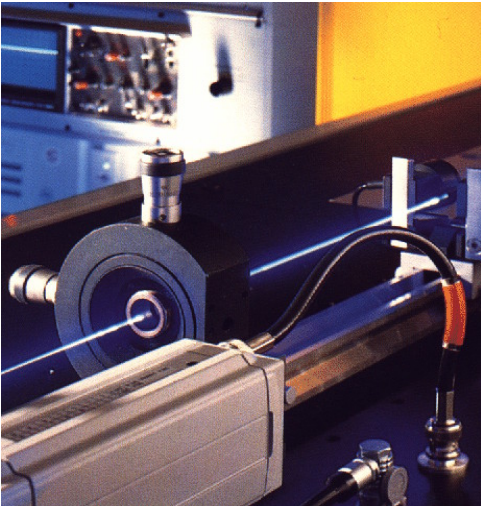


Engineering Change Control



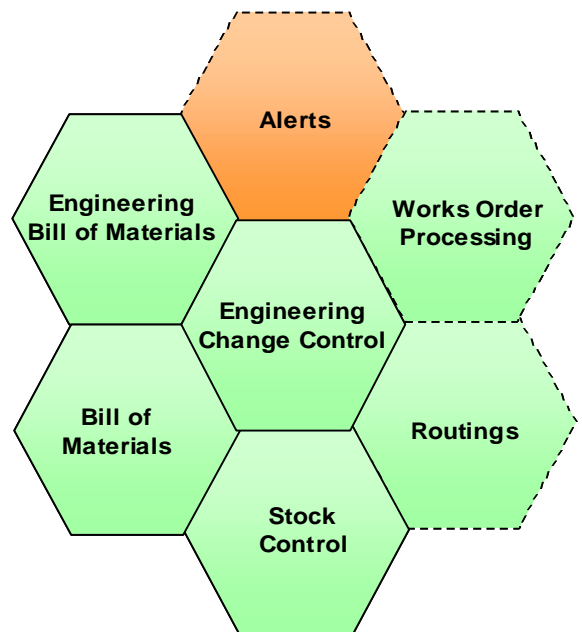
For many design and manufacturing companies, the engineering change control system is one of the last remaining paper-based business processes. Engineering Change Request forms (ECRs) have been tweaked and honed over many years of inter-departmental negotiation, and the whole procedure is encapsulated in ISO 9000 quality documentation. Computerisation can end the paper chase, shorten the change cycle, and provide instant visibility of change history. However, any computerisation of the process must have the flexibility to match specific ways of working whilst maintaining procedural quality control.

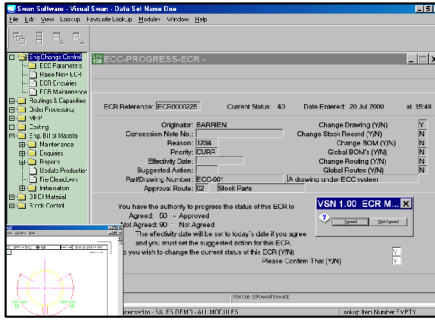
A change control system can be implemented as an add-on to CAD, as a stand-alone Product Data Management or Document Management system, or integrated with ERP. However, the downstream quality benefits in purchasing, production and after-sales service, can only be achieved by close integration with the main system. Parts and manufacturing routings under change control cannot

then be modified without approval. Downstream staff have full access to the change history. Those in the ECR approval cycle are likely to be ERP users already, and will not need to access and learn a new system.

Infor ERP Swan Engineering Change Control takes efficient and effective control of the design modification process from proposal, through sign off, drawings update and manufacturing introduction.

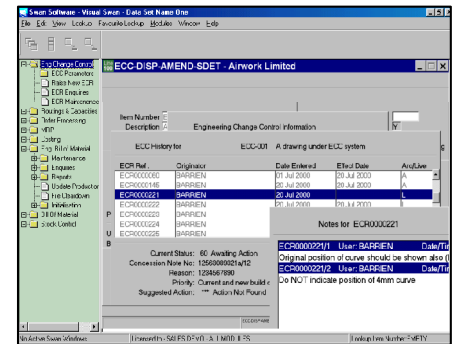
- **Engineering Change Request ECR:** Create, modify, approve, enquire, archive and report status. ECR contains appendable notes field with time, date and author stamp.
- **Change Control:** May be applied optionally per ECR to different elements of the system data, e.g.: drawings, stock parts, BOMs and routings, and optionally on a global basis to e.g., stock performance, batch maintenance, working bills and working routings.





- **User Rights:** Each ECC user can be set up with rights to raise ECRs, review them, and approve them for changes to drawings, parts, items and/or routings.
- **Approval Routes:** Multiple approval routes can be set for different types of ECR. The Infor ERP Swan Alerts module may be used to expedite the approvals work flow.
- **Status Codes:** Reasons for change, approval statuses, priorities and suggested actions are all user configurable.

- **Associated Documents and Drawings:** can be attached to the ECR, with hyperlinks for viewing.
- **Where Used Enquiry:** shows all BOMs affected by the proposed change.
- **Change Pending Flag:** on the Stock Record will be set and unset according to the current status of ECRs.
- **ECR History:** A button is provided to view previous and current ECRs, with an associated text page and drill down to the notes.
- **System Requirements:** Infor ERP Swan version 4.2.x with Bill of Materials and Engineering Bill of Materials.



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