Design Changes

The design change process ensures that changes to a design are accurately identified, documented, reviewed, and approved prior to implementation and appropriately verified and/or validated. Design changes include the following:

- Pre-release changes that typically begin during the Design Inputs phase and continue throughout Product development
- Post-release changes that typically begin after the transfer of the design to Manufacturing and continue on throughout the life of the Product.

7.2 Design Changes Sources

The design changes typically arise from the following sources:

- Design Reviews,
- Design Verification,
- Design Validation,
- Software Verification,
- Software Validation,
- Manufacturing activities
- Service records, and/or
- Customer complaints.

7.3 Design Change Process

The design change Process is a step by step approach and is detailed in the corresponding ENGINEERING CHANGE REQUEST (ECR) Forms Attachments 1-3.

For engineering documents generated with the aid of CAD software, signed hard copies are considered the controlled documents

7.4 Classes of Change

Class I: minor changes to documentation. This includes the addition of notes, correction of typographical or spelling errors, and the addition of new views or clarification of notes

Class II: an engineering change that does not impact the User or Product Requirements

Class III: an engineering change that impacts the User or Product Requirements

7.5 Approval of changes

The approval needed for Changes depends on the change classification. The Project Leader (PL) / Head of Engineering (HE) determines the appropriate cl

Class I Revisions: PL /HE approves

The Change originator marks up drawing copy with suggested change to PL /HE.