

Course II (Rev K')

Structuring and Managing Requirements

Abstract

A change process cannot be fast and efficient change process if the information being changed is not properly identified, structured, linked and owned. The first section of this course focuses on identification and the structuring of physical item hierarchies and linkages.

The second focuses on development. It describes a 4-tier, 9-step process for developing any type of end-item product. It describes end-item application requirements, the design basis, detailed designs and processes and also builds the first end-item.

The third section describes how to apply CMII in the other life cycle phases; production, operation, maintenance and decommissioning.

The fourth section describes how to apply the same CM principles and techniques to the business enterprise. It describes a strategic business plan and how it is used to identify the core business processes and process owners. It describes how to create a consolidated set of operating standards and write administrative procedures.

Outline

IDENTIFICATION AND STRUCTURING

- A.* Naming and Numbering Conventions
- B.* Part Standards, Packaging and Labels
- C.* As-Planned Physical Item Hierarchy
- D.* Other Aspects of Product Structuring

DEVELOPING REQUIREMENTS

- E.* Development — Nine Step Process
- F.* Application Requirements
- G.* Design Basis Requirements
- H.* Detailed Design & Process Requirements

OTHER PRODUCT LIFE CYCLE PHASES/ACTIVITIES

- I.* Production in Build-to-Order Environment
- J.* Operation and Maintenance
- K.* Decommissioning
- L.* Project Planning and Work Packages

BUSINESS PROCESSES AND PROCEDURES

- M.* Strategic Business Plan
- N.* Core Processes and Operating Standards
- O.* Administrative Procedures
- P.* Course Review and Summary