



COURSE CMII-02

Structuring and Managing Requirements

Abstract:

A change process cannot be fast and efficient 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 builds the first end-item.

The third section describes the production process, quality standards and awards, and how to calculate the cost of CM and cost of Sales.

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. It also describes how to write administrative procedures.

Students completing this course will be properly prepared to proceed with courses CMII-03 and-04, which focus on change management.

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 - 9 Step Process
- F. Application Requirements
- G. Design Basis Requirements
- H. Detailed Design & Process Requirements

PRODUCTION, QUALITY AND COST OF SALES

- I. Production in Build-to-Order Environment
- J. Project Planning and Work Packages
- K. Quality Standards, Awards and Views
- L. Cost of CM and Cost of Sales/Services

BUSINESS PROCESSES AND PROCEDURES

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