



COURSE CMII-16

Laboratory for Hands-On CMII/IPE Training

Abstract:

This hands-on course focuses on shifting the paradigms that are most important and also most challenging to those implementing CMII and IPE.

In only 3 days, students will perform all facets of the CMII and IPE processes.

As top management, they will create a Strategic Business Plan and identify the core business procedures and populate the enterprise baseline.

As cross-functional development team members who represent all lifecycle phases, they will develop a product, create its design basis views and its hierarchy and populate its baseline. They will also act as the CRB and make changes to the product baseline.

As document creators and users they will create and validate designs and processes for physical items. They will also create and validate operating standards and procedures for administrative tasks.

Outline:

ADMIN. HIERARCHY & ENTERPRISE BASELINE

- A. Core Competency and Basic Product
 - W/S (1): Create the Administrative Hierarchy for I-Bike*
 - W/S (2): Populate Enterprise Baseline & Create Metadata W/S*
 - W/S (3): Make Changes to the Baseline and Metadata*
 - W/S (4): How Would Other Environments Compare*
- B. Enterprise Baseline and Lessons Learned

PRODUCT DEVELOPMENT & PRODUCT BASELINE

- C. Conceptual Product and its Application
 - W/S (5): Create Design Basis and Baseline Levels 0 and*
 - W/S (6): Item Hierarchy, Baseline Levels 2 and 3 & Metadata*
 - W/S (7): Changes to Product Baselines and Metadata*
 - W/S (8): Compare Baselines for Other Products and Phases*
- D. Product Baselines and Lessons Learned

PRODUCTION, OPERATION AND MAINTENANCE

- E. Schedules, Work Flows & Authorizations
 - W/S (9): Role of CM in Supply Chain Management*
 - W/S (10): Admin. Work Flows by 3-Member Creator/User Teams*
 - W/S (11): Product Work Flows by 3-Member Creator/User Teams*
 - W/S (12): Make Changes to the Work Flows*
 - W/S (13): How Would Other Work Flows Compare*
- F. Creator/User Teams and Lessons Learned