

CM2-07

Executing The Digital Thread And Twin

- 2 DAYS -



The number of organizations that have achieved integrated process excellence is smaller than it should be. This is because most organizations continue to use configuration management (CM) in a limited role, only applying it to design information. Those organizations process a high volume of deviations and waivers; use redlines and assume firefighting is normal business practice.

In order to achieve Integrated Process Excellence, an organization must break the many paradigms generally associated with configuration management's limited role. The phased transition from that limited approach to CM2 is a major culture change that must be carefully planned and managed.

The foundation of that new culture is the ability to change faster and document better. The application of that ability is extended beyond design information to include all requirements for the enterprise, and the enterprise deliverables throughout all of the lifecycle phases. Keeping all of those requirements clear, concise, and valid at all times is the goal...a very achievable goal.

This course introduces a 2-phase approach to be used for creating the foundation to enhance the efficiency of each core business process. It will identify the key elements that must be in place and reaffirm that the proper approach is to define the process first, then select the enabling tool.

Course Outline

- Process Improvement; What, Why and How
- CM2 Phased Process Improvement
- First Article Validation and Verification
- CM per the Quality and CM Standards
- Business Transformation Requires Culture Change
- Quality Problems and Root Causes
- Quality and Defect Prevention Techniques
- Organizational Roles and Realignment
- Why Requirements Get No Respect
- Plan & Create Detailed Designs/Processes
- Creator/User Teams and Work Flows
- Importance of Records & Data Integrity
- The CM2 Closed-Loop Change Process
- Change Process Steps, Quality and Timing