

CM2-05

Optimizing the Digital Thread

- 2 DAYS -



All organizations struggle with the ability to manage information accurately for the enterprise or throughout the product/solution lifecycle. This failure creates a high level of intervention resource expenditure and an inability to track fielded configurations. This drives significant warranty, recall, and concession costs that can have devastating impacts on the business.

To tap the power of the Digital Thread and to facilitate a true Digital Twin, all facets of the organization and all lifecycle phases are reliant upon the Enterprise Configuration Management (ECM) process.

This course introduces critical additions to the process flows and roles previously defined in the Enterprise Configuration Management process. These additions are critical to the management of the Digital Thread and visibility of the Digital Twin in the operation and maintenance lifecycle phase.

This course also identifies the differences and challenges associated with managing the Digital Twin as it progresses through each of the lifecycle phases. The role of ECM in the management of the supply chain is also shown to be critical to managing the digital thread.

Course Outline

- Lifecycle Controls and Datasets
- Integrated Logistics Support
- Replacement Item Issues and Solutions
- Supply Chain Management for ILS
- Understanding Logistics Complexity
- Additional Product Identifiers
- Allowable ILS Asset Configurations
- ILS Upgrades and Modifications
- Overhaul, Refurbish and Recertify
- Proposed Changes and Lifecycle Costs
- Change Implementation Planning
- Planning Changes for ILS
- Insight to Change Process Improvement
- Executing Changes for ILS
- Design Reconstitution of Existing Facilities
- Decommissioning and Environmental Management