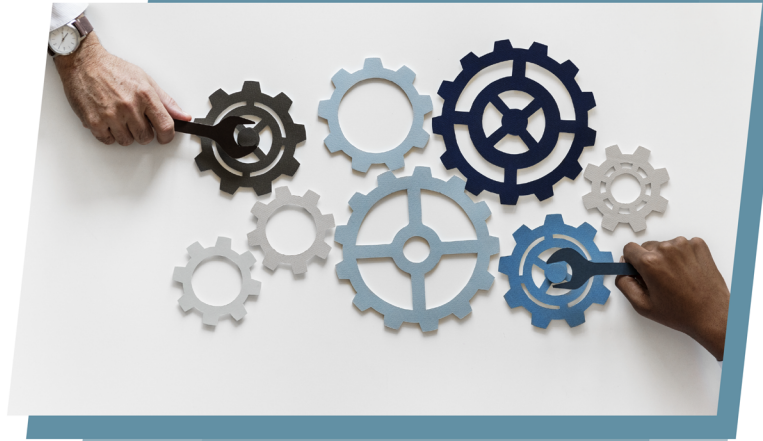# SAE EIA-649 Configuration Management

- 2 DAYS -

The SAE EIA-649 Configuration Management Standard is a universally accepted standard for Configuration Management (CM) in the defense, aerospace, and industrial sectors. This standard provides advanced methods for managing products and systems efficiently throughout their life cycle, particularly enabling the traceability, control, and documentation of changes during the product life cycle.

The SAE EIA-649 Configuration Management Standard incorporates modern product management approaches that take into account the dynamics and requirements of digital design and manufacturing environments. As a result, it provides a significant contribution to organizations in maintaining product quality, increasing operational efficiency, and effectively managing change processes.

The training content will cover the main functions of configuration management, including Planning, Identification, Change Management, Configuration Status Accounting, and Configuration Audits, all within the scope of the SAE EIA-649 standard, and the benefits of its implementation will be discussed.

At the end of the training, a certificate approved by SEMPRO is issued to participants.

Course Outline

Basic Concepts
History of Configuration Management
Configuration Management Standards
Structure of SAE EIA-649
CM Functions and Principles

Configuration Management Planning and Management
- Identify Context and Environment
- Product Configuration Information Processes

Configuration Identification (CI)
- Configuration Identification Throughout the Product Life Cycle
- Product Structure

- Configuration Baselines
- Configuration Items

Configuration Change Management
- Manage Requests for Changes
- Implementation of Approved Changes
- Manage Requests for Variance

Configuration Status Accounting
- CSA Information Capture and Reporting

Configuration Verification and Audit
- Physical Configuration Audit
- Functional Configuration Audit