



## aeShield Overview Course

Description: This course will teach aeShield terminology concepts, along with several key safety deliverables, including Cause and Effect (C&E) documents, Safety Requirements Specs (SRS), Override Risk Analysis (ORA) forms, Gap Assignments, View IPF list. Also, users will learn how to confirm if a change or de-commissioning of a Component or Assembly is affecting an IPF or an IPL by using Project scope reports and Tag Summary reports.

Course Length: 1 day

### Course Outline

- Background
  - What is aeShield? How is it used?
  - Evergreen Functional Safety Lifecycle Work Process Model
  - ISA-84 – What does it contain? How does aeShield enable compliance?
  - Core Features
- Basic Software Navigation
  - Logging In, Location & Project Selector, Menu Structure
- Gap Assignment Reports
- Functional Safety Health Meter Dashboard
  - Safety System Performance:
    - Bad Actors, Assembly Unavailability
  - Program Management:
    - IL Rated Summary, Document Controls, Gap Assignment
- Safety Requirements Specification
  - Overview, Generating Deliverables
- Cause & Effect Diagrams
  - Overview, Generating Deliverables
- Functional Test Plans
  - Overview, Generating Deliverables
- MOC: Project scope reports and Tag Summary reports
- Miscellaneous tools
  - Tag summaries
  - Protection layer use
  - Override Risk Analysis

