

Comprehensive DO-254 Training

 **5 Days**

Program Overview

Comprehensive DO-254 is a combination of our DO-254 Training (3 days) and DO-254 (2 days) training courses. First 3 days of this course covers the RTCA DO-254 contents and provides a detailed understanding of the DO-254 objectives with some exercises as well. DO-254 workshop on the other hand is a hands-on workshop for the attendees regarding what they have learned during the first 3 days. Electra IC DO-254 document templates and checklists will also be used during the workshop and will be provided to the participants for free. Comprehensive DO-254 is excellent training for the people who are new or already familiar with DO-254 but want to improve their knowledge and hands-on experience. Workshop will be delivered by experienced engineers participated in real-life DO-254 compliant projects.

Objectives

- Manage Hardware projects under latest DO-254 guidance
- Provide an overview of mandatory activities required by Certification authorities
- Understand DO-254 rationale/objectives
- Reduce Cost and Risk of avionics certification
- Adopt cost effective activities, check-lists and methods to meet your objectives
- Regulatory & Lifecycle Understanding
- Requirements Engineering & Review
- Traceability and Verification Planning
- Baseline & Configuration Management
- Change Control (CR/PR)
- Peer Review Engineering
- Impact Analysis & Regression Strategy
- Audit Readiness & Certification Mindset



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www.electraic.com



trainings@electraic.com



+90 312 429 0067

5 Days of Intensive Training

Who should attend?

- Military or Avionics Hardware Project Leaders
- ASIC & FPGA Digital Design Engineers
- Hardware Design Engineers
- Quality Assurance Engineers
- FPGA / ASIC Design and Verification Engineers
- Certification & Compliance Engineers
- Configuration Management Engineers
- Project Managers Involved in Airborne Hardware Development
- All People Involved in System Design

Day 1

- Introduction & System aspects
- Hardware Design Life Cycle
- Planning Process
- Quiz & Lab Session

Day 2

- Validation & Verification Activities
- Configuration Management
- Quiz & Lab Session

Day 3

- Process Assurance
- Certification Liaison Process
- Hardware Design Life Cycle Data
- Additional Considerations
- Quiz & Lab Session

Day 4

- Introduction & Certification Context
- DO-254 Lifecycle & Configuration Framework
- Requirements Capture Process
- Traceability & Verification Planning
- Detailed Design Process
- Implementation Process

Day 5

- Test Process
- Change Management Overview
- CR (Change Request) vs PR (Problem Report)
- Impact Analysis & Regression Strategy
- Baseline Evolution After Change
- Product Transition
- Full Lifecycle Audit Simulation



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