

RTCA/DO-331 and Model-based Development

 1 Day

Program Overview

The aim of this training is to present the content of RTCA/DO-331 document and learn how to comply with this document.

Pre-requisites?

- Having knowledge about Embedded Software Development
- Having basic level knowledge of fundamentals for Software Life-cycle Processes



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Who should attend?

- Software Project Managers
- Software Development Engineers
- Software Verification Engineers
- Software Quality Engineers
- Software Configuration Management Specialists

What will you learn?

- Required activities for DO-331 compliance when using model-based development process during DO-178C compliant software development
- Required artifacts to be produced for DO-331 compliance
- Considerations in SOI audits

Structure and Content

- **What is Model-Based Development?**
- **DO-331 and Model-Based Safety-Critical Software Relationship**
- **Model-Based Development for Safety-Critical Software**
 - Planning
 - Development
 - Requirements
 - Design
 - Coding and Integration
 - Software Quality Assurance
 - Software Configuration Management
 - Software Verification
- **SOI Activities and Lessons Learned**



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