

RTCA/DO-178C and Certification

 **3 Days**

Program Overview

RTCA/DO-178C is an important guidance document that is used in the development of safety-critical avionics software. The aim of this training is to present the content of RTCA/DO-178C and how to fulfill the certification specifications, with the help of practical examples. In this context, software development and integral processes that are necessary for compliance with airworthiness requirements will be discussed.

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-178C compliant software development processes
- Required artifacts to be produced for DO-178C compliance
- Importance of verification process from DO-178C point of view and what should be considered through the verification process
- Considerations in SOI audits will be learned after the completion of the training

Structure and Content

- **What is Certification?**
 - Flight Safety and Software Relationship
- **What is DO-178C?**
- **Safety Critical Software Development**
 - Planning
 - Development
 - Software Requirements
 - Software Design
 - Coding and Integration
 - Integral Processes
 - Software Quality Assurance
 - Software Configuration Management
 - Software Verification
 - Certification Liaison
 - Additional Considerations
- **SOI Activities**



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