

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

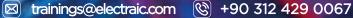














#### Who should attend?

- 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**

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













