

Manage MISRA compliance, ensuring improved project outcomes and code quality in safety-critical systems

Objectives

- Understand the fundamentals of MISRA compliance management
- Improve negotiation skills for MISRA compliance in contracts
- Effectively plan and allocate resources for MISRA projects
- Manage compliance execution and monitor progress effectively
- Assess and defend MISRA compliance arguments confidently
- Minimize project risks and delays through informed decision-making

Target audience

- Project managers, team leaders, and decision-makers responsible for overseeing safety-critical systems and ensuring compliance with MISRA standards in various industries.

Prerequisites

- Familiarity with software development processes, and a general understanding of safety-critical systems. No prior MISRA experience is required.

Course Environment

- Theoretical course
 - PDF course material (in English) supplemented by a printed version for face-to-face courses.
 - Online courses are dispensed using the Teams video-conferencing system.
 - The trainer answers trainees' questions during the training and provide technical and pedagogical assistance.
- At the start of each session the trainer will interact with the trainees to ensure the course fits their expectations and correct if needed

Evaluation modalities

- The prerequisites indicated above are assessed before the training by the technical supervision of the trainee in his company, or by the trainee himself in the exceptional case of an individual trainee.
- Trainee progress is assessed by quizzes offered at the end of various sections to verify that the trainees have assimilated the points presented
- At the end of the training, each trainee receives a certificate attesting that they have successfully completed the course.
 - In the event of a problem, discovered during the course, due to a lack of prerequisites by the trainee a different or additional training is offered to them, generally to reinforce their prerequisites, in agreement with their company manager if applicable.

Plan

Introduction

- Overview of course objectives and learning outcomes
- Importance of MISRA compliance for project managers

Introduction to the MISRA Guidelines

- Fundamentals of MISRA and its role in safety-critical systems
- Key concepts and principles of MISRA compliance

MISRA Compliance

- Overview of MISRA Compliance document and its significance
- How to interpret and apply MISRA compliance in real-world projects
- Examples and case studies for practical understanding

MISRA Guidelines and Deviations

- Handling deviations from MISRA guidelines effectively
- The decision-making process for comply vs deviate
- Documenting and managing deviations for compliance

Tools and Processes

- Introduction to tools that assist in MISRA compliance
- Best practices for integrating tools into your development workflow
- Ensuring tool support for continuous MISRA compliance

Q&A

Renseignements pratiques

Inquiry : 6 hours