



C2 - MISRA Compliance for Project Managers

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.

Environnement du cours

- Cours théorique
 - Support de cours au format PDF (en anglais) et une version imprimée lors des sessions en présentiel
 - Cours dispensé via le système de visioconférence Teams (si à distance)
 - Le formateur répond aux questions des stagiaires en direct pendant la formation et fournit une assistance technique et pédagogique
- Au début de chaque demi-journée une période est réservée à une interaction avec les stagiaires pour s'assurer que le cours répond à leurs attentes et l'adapter si nécessaire

Audience visée

- Tout ingénieur ou technicien en systèmes embarqués possédant les prérequis ci-dessus.

Course Outline

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