

ISO 26262 for Safety in the automotive industry



Duration 2 days

Teaching methods

Presentations with illustrated practical case
Lunch meeting with the speaker

Prerequisites

Equivalent profile as engineer, in technical or in scientific education

For who

Project Managers, Design Offices, Methods, R & D, Quality

Lecturer/Trainer

Expert and / or specialist

Assessment methods

Assessment sheet and self-assessment given at the end of training

Sites

PARIS / LYON /
MONTREAL

Intra-company sessions on request

Contact us

For more information
Phone : 438-558-1395
formation@sector-group.net

Objectives

The objectives of the training are to provide to the participants an overview of the standard ISO 26262, methods and tools to develop safe operating systems related to electrical, electronic or computing technologies in the automotive field.

This training does not require knowledge of a particular programming language or a method.

Program

Introduction to RAMS engineering

- Why do we need a RAMS analysis ?
- Concepts and definitions

Introduction to ISO 26262 standard

- Structure of ISO 26262 standard
- Safety Objectives- Quotation ASIL (Automotive Safety Integrity Level)
- Safety Functional Concept of Safety
- Technical Concept of Safety

Deliverables of the standard and their order in the process

- External Functional Analysis
- Preliminary Hazard analysis (PHA)
- Safety Functionnal Concept
- Internal Functional Analysis
- FMEA System
- ASIL decomposition
- Safety Technical Concept

RAMS tools

- Preliminary Hazard Analysis
- FMECA
- Root-cause analysis
- Feedback
- Reading critical code (Software)
- Tests and Validation process