Lorit Consultancy

ISO 26262
FUNCTIONAL SAFETY IN THE AUTOMOTIVE INDUSTRY

ISO 26262 TRAINING COURSE

This course is based on Edition 2.0 of ISO 26262 and covers an overview and system level considerations, hardware, software and supporting information (safety analysis, dependent failures analysis, production considerations). Learn the basics of ISO 26262 with working examples, team exercises and our industry knowledge and experience.

DURATION: 2 Days

LANGUAGE: English or German

COURSE CONTENT:
- Module 1 – ISO 26262 Overview (half day)
- Module 2 – ISO 26262 Hardware (half day)
- Module 3 – ISO 26262 Software (half day)
- Module 4 – ISO 26262 Supporting Infrastructure (half day)

TARGET AUDIENCE:
Functional safety personnel, automotive engineers, project leaders, project managers, quality engineers, hardware/ software developers

PREREQUISITES:
This course is suitable for delegates with no prior knowledge of ISO 26262 or can be customized for a more experienced audience.

FURTHER INFORMATION:
The training takes place either online or live. The duration of the training is 8 hours each day (including a 30 minute lunch break and 2 shorter breaks).
On request we grant a discount for group bookings.

We are happy to work with your organization to develop **customized and cost-effective training** that meets your requirements in terms of date, timing and content.

PLEASE CONTACT US FOR YOUR BOOKING OR ENQUIRY:
info@lorit-consultancy.com
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+44 7708 360023

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MODULE CONTENT

MODUL 1: ISO 26262 OVERVIEW (HALF DAY)
- Legal considerations
- Safety culture
- Safety analysis in general
- Concept phase
- Systems level
- Decomposition
- Integration and verification
- Review independence

MODUL 2: ISO 26262 HARDWARE (HALF DAY)
- Hardware overview
- Safety analysis
- Failure rates, diagnostic coverage, hardware architectural metrics, random hardware failures, evaluation of hardware elements
- Production, service and decommissioning
- Dependent failures analysis
- Semiconductor considerations
- Hardware integration and verification
- AEC Qualification

MODUL 3: ISO 26262 SOFTWARE (HALF DAY)
- Software language considerations & tools
- Software requirements
- Software safety analysis
- Software architectural design
- Coexistence of elements
- Software unit design
- Software unit verification
- Software metrics
- Software tool considerations
- Agile software development

MODUL 4: ISO 26262 SUPPORTING INFRASTRUCTURE (HALF DAY)
- Configuration, document and change management
- Proven in use arguments
- Distributed development
- ISO 26262 part 10
- Dependent failure analysis
- Automotive SPICE
- Cybersecurity
- Software of the intended functionality
- Overview part 10, 11 and 12
- Relation to IATF 16949 and 9001

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