

Standards-compliant development and assessment of Safety-related software according to EN 50716:2024 / EN 50657:2017

DESCRIPTION

This seminar is aimed at people who are confronted with the development of safety-relevant software or who have to ensure standards-compliant development as part of quality management. You will receive an overview of how a standard-compliant development of safety-relevant software must be structured, documented and demonstrated to an expert. Case studies and exercises illustrate the implementation of the normative requirements in daily practice.

The following points are addressed:

- Basics of EN 50716 / EN 50657
- Classification/scope of EN 50716 und EN 50657
- Safety integrity and SIL derivation
- Software development models
- SW quality assurance as a central component
- SW requirements, architecture and design
- Implementation, integration, testing, acceptance, maintenance
- Review process and the role of the reviewer
- Cross-cutting topics:
- Connection between verification and validation (V & V)
- Dealing with provisions and development tools
- Testing, basics, test coverage
- Generic software and configurable systems

SEMINAR CONTENTS

DAY 1 09.00-17.00

- Scope and basics of EN 50716: / EN 50657
- Safety integrity and SIL derivation
- SW development models and SW quality management
- Requirements management, architecture and design

DAY 2 09.00-17.00

- Implementation, integration, testing, acceptance, maintenance
- Review process and the role of the reviewer
- Cross-cutting issues
- Differences between EN 50716 zu EN 50657
- Innovations from EN 50716:2024

Seminar-No. 01.04

DATES & COSTS

On-demand

Inhouse

Length:

2 Days

Fee:

on request

incl. lunch and certificate of participation
plus VAT

TARGET GROUP

- Technical Project Managers
- Employees of the security authorities
- Employees of the departments
- SW development, quality management, engineering and approval

LANGUAGES

