

Standards-compliant development and assessment of Safety-related software according to EN 50128:2011/A2:2020 / EN 50657:2017

DESCRIPTION

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

The following points are addressed:

- Basics EN 50128 / EN 50657
- Classification/scope of EN 50128 and EN 50657
- Safety integrity and SIL derivation
- Software development models
- SW quality assurance as a key aspect
- SW requirements, architecture and design
- Implementation, integration, test, acceptance, maintenance
- Review process and the role of the reviewer
- Cross-cutting issues:
 - Relationship between verification and validation (V & V)
 - Dealing with supplies and development tools
 - Testing, test coverage
 - Generic software and configurable systems

SEMINAR CONTENTS

DAY 1 09.30-17.00

- Scope and principles of EN 50128 / 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, test, acceptance, maintenance
- Process and the role of the reviewer
- Cross-cutting issues
- New features of EN 50657 compared to EN 50128

Seminar-No. 01.04



Online-Seminar*

DATES & COSTS

14.-15.03.2023	Nuremberg
07.-08.11.2023	Nuremberg
On-demand	Valenciennes

Length: 2 Days

Fee: 1.400,00 €

incl. lunch and certificate of participation
plus VAT

* On-demand

TARGET GROUP

- Safety manager
- Technical project manager
- Safety case, development, quality assurance staff

LANGUAGES

