Software Safety Engineer – Advanced (IT-06)

Professional Qualification as

Functional Safety Automotive Software Engineer

Duration 3 days

Prerequisites Certification as FS Automotive Engineer – Basic Level

Language Italian or English

Training material English

Programme

[Day 1]

ISO 26262-2: Management of functional safety

Overall safety management

ISO 26262-3: Concept phase

- · Initiation Hazard analysis and risk assessment on the Item
- Initiation Functional safety concept

ISO 26262-4: Product development at the system level

- · Specification of the technical safety requirements and system design
- · Item integration and testing
- Safety validation and release for production

ISO 26262-5: Product development at the hardware level

Initiation of product development at the hardware level

[Day 2]

ISO 26262-6: Product development at the software level

- Initiation of product development at the software level
- · Specification of software safety requirements
- · Software architectural design
- Software unit design and implementation
- Software unit testing
- Software integration and testing
- · Verification of software safety requirements
- Examples and templates

[Day 3]

ISO 26262-7: Production and operation

Initiation of production, operation, maintenance, repair and decommissioning

ISO 26262-8: Supporting processes

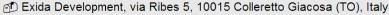
- Confidence in the use of software tools
- Qualification of components

ISO 26262-9: ASIL-oriented and safety-oriented analyses

- Requirements decomposition with respect to ASIL tailoring
- · Safety analysis

Summary of the main covered topics

Written and (if needed, for borderlines) oral exam (2 hours)



info@exida-dev.com



^{ +39 0125 1925 223}**