ISO 26262 - Road vehicles

Functional Safety Engineer - Basic (IT-04)

Professional Qualification as

Functional Safety Automotive Engineer – Basic Level

Duration	3 days
Prerequisites	None
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
- Overview hazard analysis and risk assessment on the item
- Overview 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
- Specification of hardware safety requirements
- Hardware design, hardware integration and testing
- Evaluation of the hardware architectural metrics

[Day 2]
ISO 26262-6: Product development at the software level
- Specification of software safety requirements
- Software design (architectural, unit and implementation)
- Software unit testing and integration testing

ISO 26262-7: Production and operation
- 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

[Day 3]
Review of all treated matters in a session of practical exercises
Written and (if necessary, for borderlines) oral exam (2 hours)