

The Teachers

Francesco Pingitore has 14 years of experience in safety critical railway system and software validation. Senior safety assessor of software applications in the railway domain, teacher and consultant of CENELEC EN 50126-50128-50129, IEC 61508 Functional Safety Engineer certified by TÜV Rheinland. Safety assessor of software applications in the railway domain for CENELEC norm.



Daniela Viva has 14 years of experience in safety critical systems in railway, automotive and avionic domain. Senior safety assessor of software applications in the railway domain, teacher of CENELEC EN 50128-50129 and consultant with gained experience in safety assessment process analyses: system and subsystem Hazard Analysis, FTA, FMEA, according to CENELEC EN50126, EN50128, EN50129, EN50159-1, EN50159-2, IEC 61508, ISO 26262, SAE ARP4754.



The Company

Since 1974, INTECS has been operating at the forefront of the software market, where safety, reliability, innovation, and quality are essential for success. INTECS provides leading-edge software technologies to support the major European and Italian organisations in the design and implementation of advanced electronic systems for Defence, Space, and Civilian markets.

Intecs is ISO-9000 certified since 1994. Currently it holds **ISO 9001:2008** quality certification for software development in Defense, Space, and Civilian domains. Intecs is **SEI Partner**. Moreover its Defence and ATC Divisions are certified **CMMI® Maturity Level 3**.

General Information

Location

Upon request, the course may be held at Customer premises.

Contact

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the Brainware company

EN 50126 The Specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS)

One-day course



Appraised by
BUSINESS STRATEGY



The CENELEC 50126 Standard

This European Standard provides Railway Authorities and the railway support industry, throughout the European Union, with a process, which will enable the implementation of a consistent approach to the management of reliability, availability, maintainability, and safety denoted by the acronym RAMS. It can be applied systematically throughout all phases of the life cycle of a railway application, to develop railway specific RAMS requirements and to achieve compliance with these requirements. The approach defined in this standard is consistent with the application of quality management requirements contained within ISO 9000 series of International standards.

The Course

A comprehensive one-day course provides participants with all the major features of the standard, together with an overview of proposed implementation techniques both effective and efficient.

Intended audience

Software Engineers (Development and Verification), Quality Engineers, Configuration Managers, Test Engineers, and Project Managers.

Methods and Media

Classroom presentations with Power Point slides and actual examples from INTECS experiences.

Course Outline

Day 1

Introduction, Terms and Definitions

Normative References

Scope and Fields of Application

Elements of Railway RAMS

Risk and Safety Integrity

RAMS Lifecycle Phases

Outline of RAMS Specification - Example