

EN50128 : 2011 standard

Change analysis

Duration 2 days

Teaching methods

Presentations with illustrated practical case
Lunch meeting with the speaker

Prerequisites

Equivalent profile as engineer, in technical or in scientific education

For who

Project Managers, Design Offices, Methods, R & D, Quality

Lecturer/Trainer

Expert and / or specialist

Assessment methods

Assessment sheet and self-assessment given at the end of training

Sites

PARIS / LYON /
MONTREAL

Intra-company sessions on request

Contact us

For more information
Phone : 438-558-1395
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Objectives

At the end of this training, the participants will have an overview of the content of the new CENELEC 50128:2011 standard and of the differences with the CENELEC 50128:2001. They will have the knowledge to realize and submit the assessment / certification according to the CENELEC NF EN50128 standard and for the implementation of the software part (Part 5) of the future CENELEC NF EN50126.

Program

Overview of the EN50128 standard

- Structure of the EN50128 : 2011
- Quality control
- Skills management
- Generic software vs parametric software
- Software Assurance
- Software specification and specification of validation tests
- Software Architecture / Preliminary Design and Specification of Software/Software and Software/Device integration
- Design and unit tests
- Choice of language and development tools
- Verification Activities: Review, RCC, AESE, ...
- Validation
- Tests coverage
- Tools qualification
- Data preparation process
- Assessment

Focus on difficult points and analyze differences between the 2001 and 2011 standards

- Changes between 2001 and 2011 standards explained through the different points of the standard
- Requirements (identification and traceability)
- Different phases of the life cycle
- Formal/semi-formal/structured method
- Modelization
- Choice of language
- Automatic code generation
- Verification Activities: Review, RCC, AESE, ...
- Data settings
- Tests Coverage (from the instructions to MCDC "coverage of modified conditions/decisions")
- Qualification of tools
- Management of defects
- Management of improvement