

Why this Training Course?


Not every project participant needs to master validation down to the smallest detail, but everyone needs to understand how it works. This half-day compact course offers an efficient introduction to the world of validation. It clears up misunderstandings between verification and validation and shows why the independence of the validator is indispensable for successful approval according to EN 50126, 50716 and 50129.

Benefits for You

After this **half-day training**, you will be able to:

- **Understand the Core Concept:** Clearly state the difference between "building right" (verification) and "building the right thing" (validation).
- **Process knowledge:** Understanding the classification of validation in the V-model and the approval process.
- **Role clarity:** Understand the tasks and the necessary independence of the validator in the project team.
- **Quality awareness:** Recognizing the minimum requirements for documents to be successful in validation.

Little time, high need for information?

Rely on efficiency. Contact us to arrange a date for this compact course – also ideal as an onboarding measure for new project teams or as a management update. 

Overview of the Basic Content

- **Basics & Why Validation?**
Introduction to the CENELEC world, definition of validation and verification, the importance of SIL
- **Validators in the Project:**
Independence Requirements in the Project Structure, The Role of the Validator as an Interface
- **Requirements and Proofs:**
Overview Architecture and interfaces, requirements and test results, how objective proof of validation is created
- **The way to release:**
Purpose of the validation report, dealing with deviations and requirements, validation as the basis for the safety case
- **Interactive Knowledge Quizzes**



Key Data & Organization



Duration: Half-day intensive workshop (in-person or hybrid possible)

Language: German or English

Methodology: Theory teaching combined with interactive knowledge tests

Prerequisites: Basic understanding of CENELEC (e.g. through ESE training "Introduction to CENELEC")

Target group: All roles involved in safety-related developments and projects.

Trainer: Dr. Hansjörg Manz, Expert in railway safety & RAMS management