ISO26262 Hardware (DE0202)

Hardware Development acc. to ISO26262 and Quantitative Evaluation

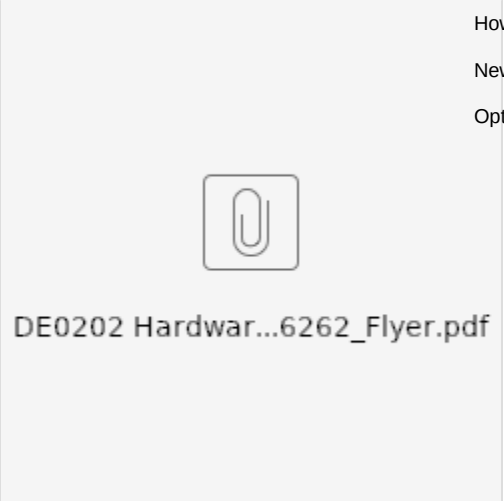
Who should attend

- Hardware Project Leaders
- Development Engineers (System, Hardware)
- Safety Managers
- Hardware Quality Responsibles

Duration: 1.5 days. The DE0202 course is also part of the DE0204 course and can be booked during the training week separately.

Language: German or English, training material will be in English.

Brochure



Course topics

- ISO 26262 lifecycle approach: Product Lifecycle and process requirements
- Where is hardware development in the process model?
  - What are inputs to hardware development?
- Technical Safety Concept
  - Safety Architecture and Architectural Elements
  - Safety Functions and Safety Integrity Function
  - exemplification: typical solutions detailed in a technical safety concept
  - Requirements allocation to system and subsystems e.g. by using ASIL Decomposition
  - exemplification: ASIL Decomposition example
- Requirements allocation on HW & SW
- System Safety FMEA and FTA: Planning the Safety Details
- Hardware Development (ISO 26262 - Part 5)
  - HW Architecture Evaluation
  - Requirements for the Evaluation: Metrics for Safety Goal Violation
  - Fault models, failure rates and target values
  - Presentation of the probabilistic approach
  - qualitative approach with a semi probabilistic argumentation
- How to evaluate the metric for "Safety Goal Violation"
  - exemplification: calculation via FTA based on the results of the quantitative FMEDA

How to evaluate the metrics SPFM and LFM
- exemplification: exida FMEDA approach for metric calculation

New to the ISO 26262: Cooperation with the software team
- Hardware-software-Interface Specification HIS

Optional:
- ASICs in the scope of the ISO 26262
- Communication channels and their evaluation

Scheduled courses - Register here: