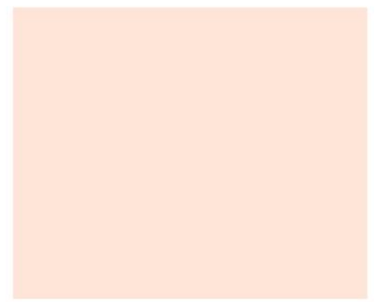
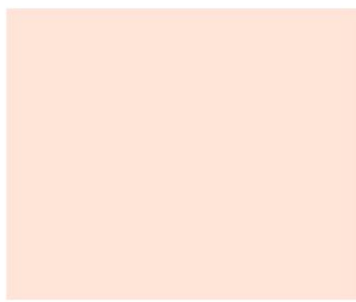


DE0902 HW Safety Analyses – FMEDA according to IEC 61508 and ISO 26262

This training is a comprehensive course designed to equip participants with the essential knowledge and skills required to perform FMEDAs according to functional safety standards like IEC 61508, ISO 26262 and ISO 13849-1 effectively. An FMEDA is a critical process in the field of reliability engineering, product development, and safety assessment. This course will guide you through the principles, methodologies, and best practices for conducting FMEDAs to ensure the safety and reliability of systems and products.



DE0902 HW Safety Analyses – FMEDA according to IEC 61508 and ISO 26262

Who should attend?

- ♦ HW Designer
- ♦ Safety Analysts
- ♦ Reliability Engineers

Duration:

1 day (or in-house, jointly agreed, please contact us for more information)

Language:

Depending on the participants the training will be given in German or English. The training material will be in English

Location:

exida.com GmbH office
Prof.-Messerschmitt-Str. 1
85579 Neubiberg / Germany or online

Certificate:

Each participant gets a letter of attendance.

For more information, please contact:

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✉ kerstin.tietel@exida.com

DE0902 HW Safety Analyses – FMEDA according to IEC 61508 and ISO 26262

Agenda and Content

- ◆ Overview of Hardware Safety Analyses
- ◆ Introduction to the Methodology
 - FMEDA Terms and Definitions
 - FMEA/FMEDA – Procedure
 - Source of failure rates, failure modes and failure distributions
 - Safety Mechanisms and Diagnostic Coverage
 - Soft errors / transient faults
 - Metrics to be achieved
 - How to carry out a FMEDA
- ◆ Differences between ISO 26262, IEC 61508 and ISO 13849-1
- ◆ Selection of components (failure rate)
- ◆ De-rating
- ◆ Useful lifetime of components
- ◆ Effectiveness of diagnostics / Redundancy versus diagnostics
- ◆ Relationship between FMEDA and FTA
- ◆ Fault Insertion Tests