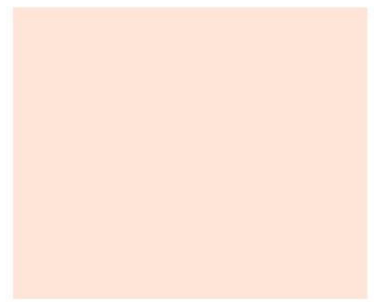
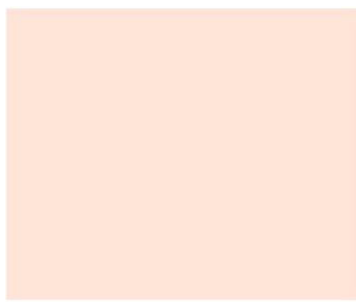


DE0604 Secure SW Development – in context of ISO/SAE 21434

This training will support to lay a basis for the **understanding of Automotive Cybersecurity** which is one of the most important topics for the future of highly automated and connected vehicles.

It will provide **guidance and suggestions** for critical topics regarding Secure SW Development.

Prerequisites: The training builds on DE0601-Introduction into Road Vehicle Cybersecurity in context of the ISO/SAE 21434. Participants which already bring an understanding of ISO/SAE 21434 and its work-products might consider skipping DE0601.



DE0604 Secure SW Development – in context of ISO/SAE 21434

Who should attend?

- ◆ Automotive Cybersecurity responsible persons
- ◆ Functional Safety Engineers – who wants to understand how they are impacted by Cybersecurity
- ◆ Development Engineers (System, Hardware and Software)
- ◆ Product Managers
- ◆ Project Leaders of cybersecurity related development projects
- ◆ Process Managers
- ◆ Quality Managers

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

DE0604 Secure SW Development – in context of ISO/SAE 21434

Agenda and Content

Secure Software Design

- Understanding/motivation of secure software design
- Relation to 21434
- Secure design principles
- Supply-chain security (SBOM, Monitoring)
- Language selection
- Toolchains

Secure Coding

- Understanding/motivation of importance of secure coding
- Relation to 21434
- Understanding programming mistakes and their possible security impact
- Understanding the concept of memory safety
- Security impact of language selection and toolchains
- Overview of software vulnerabilities (by example)
- Discover and avoid software vulnerabilities