

DEKRA DIGITAL

Training ISO/SAE 21434



Overview Training

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- 2. Introduction of DEKRA**
- 3. Introduction of Trainer(s) & Participants**
- 4. Training Goals**



1. ONLINE TRAINING DURATION

Part 1 Online Training, Duration: 4 hrs

Topic

- Cybersecurity (CS) ISO/SAE 21434 introduction
- Organizational cybersecurity management
- Project dependent cybersecurity management
- Distributed cybersecurity activities

*** intermediate break to be decided by trainer and participants on an hourly basis**

Part 2 Online Training, Duration: 4 hrs

Topic

- Threat analysis and risk assessment methods (TARA)
- CS related topics and JEEP case study

*** intermediate break to be decided by trainer and participants on an hourly basis**

Part 3 Online Training, Duration: 4 hrs

Topic

- Continual cybersecurity activities
- CS concept
- Product development
- Cybersecurity validation

*** intermediate break to be decided by trainer and participants on an hourly basis**

Part 4 Online Training, Duration: 4 hrs

Topic

- Production
- Operations and maintenance
- End of cybersecurity support and decommissioning
- Final questions / Knowledge test

*** intermediate break to be decided by trainer and participants on an hourly basis**

2. INTRODUCTION OF DEKRA

About DEKRA

- Established in 1925 to ensure road safety, DEKRA's mission today is to ensure safety, security and sustainability
- DEKRA offers a broad service portfolio as a global neutral partner for testing, inspection and certification in different technology fields and industry sectors
- More than 46.000 employees in 60 countries generate revenues of ~ 3.400 MEUR (2021)
- DEKRA ...
 - ...is experienced in product testing (cybersecurity !) and
 - ...is a technical service for vehicle type approval authorities



3. INTRODUCTION OF TRAINER(S) & PARTICIPANTS

Be Active – Ask Questions!

- A training needs an active discussion and participation
- We will periodically ask you if you have any questions, but you can interrupt us at any time by asking direct questions
- Take the “raise hand” button during the training
- If at the end of a session there are still questions or questions come to mind after the training, feel free to ask us at the next session and/or use the chat and/or send an email to the trainer(s)
- Please switch on your camera, at least when you are talking – if the bandwidth of the teams-channel is sufficient
- Turn off your camera during breaks
- Please mute yourself if you are in a listening mode

Introductory Round Participants

- What brings you to this training?
- What is your current role in the company?
- How familiar are you with ISO/SAE 21434?
- What are your expectations for this training?

4. TRAINING GOALS

Training Goals – Understanding of

- Basics of automotive cybersecurity engineering according to ISO/SAE 21434
- Manipulation by human attacks vs. malfunction caused by reliability problems
- Paradigm shift: Function vs. Implementation
- Risk based approach
- Life-cycle consideration

DEKRA DIGITAL

innovating safety

That's all of

OVERVIEW ONLINE TRAINING

Thank you!