



Training Information

- 2-day course
- Exam (optional on the 3rd day)
- Language: English / French
- Format: Classroom, on-site or online

Target Audience

- Developers, testers or system engineers
- Cybersecurity and Safety engineers & managers
- Quality representatives & project managers



Your contact

Kilian Marty

- Head of Cybersecurity and Lead Assessor
- ISO/SAE 21434, IEC 62443 and ISO 27001 Expert
- ISO TC22/SC32 & IEC TC65/TC65X Expert
- M.Sc. in IT Security and Enterprise Network

For more details:

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First Swiss

Automotive Cyber Security
Red Belt Training





Automotive Cyber Security Red Belt Training (A-CSR) –ISO/SAE 21434 and UNECE WP.29/R155

DAY 1

Automotive Cyber Security and CSMS

- Introduction to Cyber Security, Threats & Trends
- Cyber Security vs Functional Safety
- Cyber Security lifecycle and foundational
- Cyber Security Regulation and Standardization
- UNECE WP.29/R155 across the automotive supply chain
- ISO/SAE 21434 Overview
- Organizational Cyber Security Management: Governance, culture, information sharings and audits
- Project-dependent Cyber Security Management: Responsibilities, plans, project tailorings and Cyber Security assessments
- Distributed Cyber Security Activities: Supplier capabilities and responsibilities

DAY 2

ISO/SAE 21434 for product security

- Continual Cyber Security Activities: Cyber Security monitoring and vulnerability management
- Threat Analysis and Risk Assessment methods
- Pre-development phases (Concept): Cyber Security goal, claims and requirements
- Product development phases: Secure design, Integration and Security tests
- Cyber Security Validation
- Post-development phases: Secure production, Incident-Response and security updates
- End of Cyber Security support and decommissioning
- Use of ISO/SAE 21434 certificate for demonstrating CSMS and VTA regulatory compliance (UNECE WP.29/R155)

DAY 3

Q&A and (optional) Examination

- Open discussion on training topics
- (Optional) 3h Examination

What will you get from this training?

- Solid knowledge for implementing Cyber Security Management Systems acc. to ISO/SAE 21434 and understanding the regulatory context of UNECE WP.29/R155.
- Training material with exercises and examples covering the entire scope of the standard.
- Recognized certificate attesting your competencies in the field of Automotive Cyber Security.