Workshop - Introduction to ISO 21448.

Standard for technical Systems in Automotive.

Seminar	1 Termin verfügbar	Teilnahmebescheinigung
Präsenz / Virtual Classroom	8 Unterrichtseinheiten	Online durchführbar

Seminarnummer: 07280

Stand: 07.07.2026. Alle aktuellen Informationen finden Sie unter https://akademie.tuv.com/s/07280

One of the most important trends in the automotive market is highly automated driving, from ADAS functions to autonomous vehicles. These vehicle functions are based on E/E systems and fall under the Functional Safety Standard ISO 26262, which addresses systematic as well as random faults.

In addition to traditional hardware and software, these new vehicle functions utilize high complex sensor systems, maps as well as AI based algorithms. These technologies do not only suffer from potential systematic and random faults, but also from technology specific limitations and insufficiencies.

Therefore, the traditional functional safety needs a supporting standard, which helps to identify and mitigate these challenges. ISO 21448 – Safety of the intended Functionality (SOTIF) and traditional Functional Safety are complementary aspects of safety.

The requirements defined in ISO 21448 help to identify and address shortcomings and supports design and verification activities for safe highly automated driving.

This workshop explains the concept of SOTIF and supports the integration into existing QM and FSM processes.

Nutzen

- You will get a state-of-the-art interpretation of the SOTIF standard and its requirements.
- It helps you to integrate SOTIF processes into the development process of your products.
- You will get details about differences in verification and validation activities to traditional Functional Safety measures.
- You will learn about strengths and weaknesses of ISO 21448 based on experiences of our Assessors.

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Zielgruppe

Employees of OEMs / Tiers; Project managers, Safety managers; System architects, Integrators of items and system, Hardware Developers, Software Developers; People responsible for quality assurance, and persons responsible for verification / validation.

Voraussetzungen

Knowledge of standard requirements for the automotive industry in general and knowledge in Functional Safety (ISO 26262).

Inhalte des Seminars

- Motivation / Introduction
- ISO 21448 in relationship to other standards
- SOTIF Terms
- Overview and Organization
- Specification and Design
- Identification and evaluation of hazards
- Identification of insufficiencies and triggering conditions
- Functional modifications addressing SOTIF-related risks
- Verification
- Evaluation of known hazardous scenarios (Area 2) Evaluation of unknown hazardous scenarios (Area 3)
- Perception Verification and Validation Process
- SOTIF release and operation
- SOTIF Specific Aspects / artificial intelligence Conclusion / timeline

Terminübersicht und Buchung

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