



Safety of the Intended Functionality – Primary Training ISO 21448

Scope

Whereas functional safety deals with malfunctions caused by failures, Safety of The Intended Functionality (SOTIF) focuses on the avoidance of unreasonable risks caused by insufficient performance of a failure-free system.

This 1-day course aims to provide an initial insight on SOTIF according to ISO/FDIS 21484 and to present an approach on how to integrate SOTIF activities into an existing functional safety management process.

Therefore, necessary actions during design, verification and validation will be discussed.

Program

- Introduction to ISO/FDIS 21444
- Rigor of standards and State of the art
- SOTIF vs ISO/FDIS 26262
- Overview and organization of activities in the development process
- Function, system specification and design (intended functionality content) including AI for perception and localization
- Identification and Evaluation of hazards caused by the intended functionality
- Identification and evaluation of performance limitations and potential triggering conditions
- Functional modifications to reduce SOTIF related risks
- Definition of the verification and validation strategy
- Evaluate known hazardous scenarios (Area 2) including AI for perception and localization
- Evaluate unknown hazardous scenarios (Area 3) including AI for perception and localization
- Methodology and criteria for SOTIF release

What you will get from this training:

- First hand know-how provided by the swiss chair of the ISO working group developing ISO 21448
- Training material with exercises and examples covering the scope of the standard

Training Information

- 1 day course
- Language: English

Target audience

- Safety engineers & safety managers
- Developers, testers or system engineers
- Quality representatives

Your Contact

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- Swiss delegate for the ISO 21448 standardization working group
- Member of Schweizerische Normen-Vereinigung (SNV) road vehicle group

