

# Safety Of The Intended Functionality (SOTIF) Training

**Duration:** 3 Days  
**Location:** Public, Virtual, & In-Person

## Why SRES?

At SRES, our training courses are guided by industry professionals with extensive real-world experience, providing you with practical insights and knowledge to excel in the rapidly evolving fields of Functional Safety, Cybersecurity, and Responsible AI.

## Course Overview:

The ISO 21448 ("SOTIF") standard provides a mutually complementary framework alongside ISO 26262 ("Road Vehicles – Functional Safety") that is crucial for developers of Advanced Driver Assistance Systems (ADAS) and Autonomous Vehicles (AV). The well-known "Functional Safety" aspects of ISO 26262 are expanded by the SOTIF framework to include "Functional Performance" in order to create guidance for current and future solutions for the implementation of highly automated driving functions.

SRES is offering an SGS-TÜV Saar certificate training course on the SOTIF standard to help you and your organization get familiar with the normative objectives and informative requirements of the ISO 21448 standard. We will introduce the standard's requirements and illustrate how to implement these requirements with the help of examples and

interactive exercises. Since the safety life cycle of ISO 26262 standard forms the basis for the SOTIF process, additional requirements of the SOTIF standard are highlighted during this training.

## Training Objectives:

As an extension to the functional safety framework according to the ISO 26262 standard, the interpretation and practical implementation of the requirements of ISO 21448 standard are presented to safety managers and safety engineers who are tasked with developing partially or fully automated systems.

Given the nature of the SOTIF risk reduction framework, the engineering activities are mainly focused on the vehicle and system level and therefore, are highly relevant for system developers and system testers (verification & validation).

The final evaluation of the achieved "Safety of the intended functionality" will take place by means of a release process, which can be combined within the "Functional Safety Assessment" activity in ISO 26262, making this course useful for safety assessors to prepare for a more comprehensive, yet optimized, review of ADAS and AV systems.