



Functional safety assessment

Testing and verification to IEC, ISO and industry standards

kiwa

Three questions worth asking

- 1 Are you satisfied with your current functional safety service provider?
- 2 Do you have a direct line to the experts?
- 3 Are your projects running to plan?

Global expertise. Local commitment. Your Kiwa team provides personal support while connecting you with a worldwide network of specialists. From Germany to Europe and North America, we deliver coordinated testing and certification services with agreed lead times and a single point of contact. Functional safety, EMC, electrical safety and environmental testing. All from one source, all managed locally.

IEC 61508 · ISO 26262 · ISO 13849-1 · IEC 62061 · IEC 61511 · IEC 60730-1 Annex H

Method / service	What it involves	Applicable standards
Functional Safety Gap Assessment	Review of the product, safety concept, development process and documentation against applicable functional safety requirements, with identified gaps and recommended actions	IEC 61508, ISO 26262, ISO 13849-1, IEC 62061, IEC 61511, IEC 60730-1 Annex H
Core service Functional Safety Assessment	Independent assessment of safety functions, architecture, lifecycle activities and evidence against the applicable functional safety standard.	IEC 61508, ISO 26262, ISO 13849-1, IEC 62061, IEC 61511, IEC 60730-1 Annex H
FMEA / FMEDA Assessment	Review and assessment of failure modes, failure rates, diagnostic coverage and architectural safety metrics, where applicable.	IEC 61508, ISO 26262, IEC 62061
Fault Injection & Safety Validation	Hardware, software or simulated fault insertion to verify diagnostic mechanisms, fault reactions and transition to a defined safe state.	IEC 61508, ISO 26262, IEC 62061, IEC 60730-1 Annex H
SIL Assessment & Verification	Assessment of SIL-related requirements, architectural constraints and quantitative safety calculations such as PFH and PFD, where applicable.	IEC 61508, IEC 62061, IEC 61511
PL Assessment & Validation	Assessment and validation of safety-related control functions, including PLr and PL, architecture, MTTFd, DCavg and CCF.	ISO 13849-1
ISO 26262 Functional Safety Assessment	Assessment of functional safety activities and work products across the automotive safety lifecycle, including HARA, safety concepts and safety analyses.	ISO 26262

Partner with **Kiwa Primara GmbH** to meet the highest safety standards and ensure your products perform with confidence in every environment.

Contact us to find out more

Kiwa Primara GmbH, Gewerbestraße 28-32, 87600 Kaufbeuren, Germany
Phone +49 8341 997260 | Email primara@kiwa.com | [kiwa.com](https://www.kiwa.com)

