

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-IS-11190-01-02 according to DIN EN ISO/IEC 17020:2012

**Valid from:** 15.02.2024

**Date of issue:** 15.02.2024

This annex is a part of the accreditation certificate D-IS-11190-01-00.

Holder of partial accreditation certificate:

**TÜV SÜD Rail GmbH**  
**Barthstraße 16, 80339 München**

with the locations

**TÜV SÜD Rail GmbH**  
**Inspektionsstelle**  
**Barthstraße 16, 80339 München**

**TÜV SÜD Rail GmbH**  
**Inspektionsstelle**  
**Steinweg 26-27, 38100 Braunschweig**

The inspection body type A meets the requirements of DIN EN ISO/IEC 17020:2012 to carry out the conformity assessment activities listed in this annex. The inspection body meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17020 are written in the language relevant to the operations of inspection bodies and they conform to the principles of DIN EN ISO 9001.

*This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

Abbreviations used: see last page

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**This document is a translation. The definitive version is the original German annex to the accreditation certificate.**

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**Inspections in the fields of functional safety for automotive and determination of compliance with specified requirements and - based on an expert assessment - with general requirements**

**1 Assessment of functional safety - automotive**

**1.1 Basic standards**

**Inspections according to:**

TR_RA_P_04.05 2019-08-02	Inspection procedures according to 61508 and application-specific standards
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**Based on the evaluation and specification documentation listed below:**

IEC 61508-1 2010 DIN EN 61508-1 VDE 0803-1 2011-02	Functional safety-related electrical / electronic / programmable electronic systems Part 1: General requirements
IEC 61508-2 2010 DIN EN 61508-2 VDE 0803 Teil 2 2011-02	Functional safety of safety-related electrical / electronic / programmable electronic systems Part 2: Requirements for safety-related electrical / electronic / programmable electronic systems
IEC 61508-3 2010 DIN EN 61508-3 VDE 0803 Teil 3 2011-02	Functional safety of safety-related electrical / electronic / programmable electronic systems Part 3: Software requirements
IEC 60870-5-1 1990 DIN EN 60870-5-1 VDE 0803-5 1994-07 Berichtigung 1 2001-11	Telecontrol equipment and systems Part 5: Transmission protocols - Section 1: Telegram formats

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**1.2 Specific Applications**

**1.2.1 Automotive**

**Inspections according to:**

TR_RA_P_04.05 2019-08-02	Inspection procedures according to 61508 and application-specific standards
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**Based on the evaluation and specification documentation listed below:**

ISO 25119-1 2018-10	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems Part 1: General principles for design and development
ISO 25119-2 2018-10	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems Part 2: Concept phase
ISO 25119-3 2018-10	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems Part 3: Series development, hardware and software
ISO 25119-4 2018-10	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems Part 4: Production, operation, modification and supporting processes
ISO 26262-2 2018-12	Road vehicles - Functional safety Part 2: Management of functional safety
ISO 26262-3 2018-12	Road vehicles - Functional safety Part 3: Concept phase
ISO 26262-4 2018-12	Road vehicles - Functional safety Part 4: Product development at the system level
ISO 26262-5 2018-12	Road vehicles - Functional safety Part 5: Product development at the hardware level
ISO 26262-6 2018-12	Road vehicles - Functional safety Part 6: Product development at the software level
ISO 26262-7 2018-12	Road vehicles - Functional safety Part 7: Production, operation, service and decommissioning

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ISO 26262-8 2018-12	Road vehicles - Functional safety Part 8: Supporting processes
ISO 26262-9 2018-12	Road vehicles - Functional safety Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses
ISO 26262-12 2018-12	Road vehicles - Functional safety Part 12: Adaptation of ISO 26262 for motorcycles
ISO/PAS 21448 2019-01	Road vehicles - Safety of the intended functionality

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
TR	TÜV SÜD Rail
TR_P	Inspection Procedure of TÜV SÜD Rail GmbH
TS	Technical Specification

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