

CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

UL LLC

333 Pfingsten Road, Northbrook, IL 60062, United States ACCREDITATION ID# 0198

Fulfills the requirements of

ISO/IEC 17065:2012 Conformity assessment Requirements for bodies certifying products, processes and services

LIST OF CERTIFICATION SCHEME(S)

UL Functional Safety and Autonomy Safety Schemes

ISASecure® Certification

This certificate is valid only when accompanied by a current scope of accreditation document. The current scope of accreditation can be verified at www.anab.org.

Lori Gillespie, Vice President, MVP SBU

Expiry Date: 01 December 2025





LIST OF STANDARDS*

STANDARD	STANDARD TITLE	STANDARD	STANDARD TITLE
ANSI B11.26-2018	Functional Safety for Equipment: General Principles for the Design of Safety Control Systems Using ISO 13849-1	IEC 61511-1	Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and application programming requirements
EN 50126-1	Railway Applications – The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) – Part 1: Generic RAMS Process	IEC 61800-5-2	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional
EN 50126-2	Railway Applications – The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) – Part 2: Systems Approach to Safety	EN 61800-5-2	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional
EN 50128	Railway applications – Communication, signalling and processing systems – Software for railway control and protection systems	IEC 62061	Safety of machinery – Functional safety of safety-related control systems
IEC 60079-29-3	Explosive atmospheres – Part 29-3: Gas detectors – Guidance on functional safety of fixed gas detection systems	EN 62061	Safety of machinery – Functional safety of safety-related control systems
IEC 61131-6	Programmable controllers – Part 6: Functional safety	IEC 61508-3	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements
IEC 61508-1	Functional safety of electrical/electronic/programmable electronic safety-related	IEC 62745	Safety of machinery – Requirements for cableless control systems of machinery
IEC 61508-2	Functional safety of electrical/electronic/programmable electronic safety-related	EN 62745	Safety of machinery – Requirements for cableless control systems of machinery

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^{*} The standards summarized here are only listed based on industry request and is not an inclusive list. The score accreditation is based on ICS codes listed in section SCOPE OF ACCREDITATION.

STANDARD	STANDARD TITLE	STANDARD	STANDARD TITLE
ISO 26262-2	Road vehicles – Functional safety – Part 2: Management of functional safety	EN ISO 10218-1	Robots and robotic devices – Safety requirements for industrial robots – Part 1: Robots (ISO 10218-1:2011)
ISO 26262-3	Road vehicles – Functional safety – Part 3: Concept phase	ISO 10218-1	Robots and robotic devices – Safety requirements for industrial robots – Part 1: Robots (ISO 10218-1:2011)
ISO 26262-4	Road vehicles – Functional safety – Part 4: Product development at the system level	ISO 10218-2	Robots and robotic devices – Safety requirements for industrial robots – Part 2: Robot systems and integration (ISO 10218- 2:2011)
ISO 26262-5	Road vehicles – Functional safety – Part 5: Product development at the hardware level	EN ISO 10218-2	Robots and robotic devices – Safety requirements for industrial robots – Part 2: Robot systems and integration (ISO 10218- 2:2011)
ISO 26262-6	Road vehicles — Functional safety — Part 6: Product development at the software level	EN ISO 13849-1	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (ISO 13849- 1:2015)
ISO 26262-7	Road vehicles — Functional safety — Part 7: Production, operation, service and decommissioning	ISO 13849-1	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (ISO 13849- 1:2015)
ISO 26262-8	Road vehicles — Functional safety — Part 8: Supporting processes	EN ISO 13849-2	Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2015)
ISO 26262-9	Road vehicles — Functional safety — Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses	ISO 13849-2	Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2015)
ISO 26262-12	Road vehicles — Functional safety — Part 12: Adaptation of ISO 26262 for motorcycles	ISO 21448	Road vehicles – Safety of the intended functionality
EN 50129	Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signaling	CSA C22.2 No. 0.8	Safety Functions Incorporating Electronic Technology
EN 50271	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen - Requirements and tests for apparatus using software and/or digital technologies	UL 991	Tests for Safety-Related Controls Employing Solid-State Devices ARAB Accreditation Board

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STANDARD	STANDARD TITLE	STANDARD	STANDARD TITLE
EN 50402	Electrical apparatus for the detection and measurement of combustible or toxic gases or vapours or of oxygen - Requirements on the functional safety of gas detection systems	UL 1998	Software in Programmable Components
EN 50495	Safety devices required for the safe functioning of equipment with respect to explosion risks	UL 4600	Evaluation of Autonomous Products
EN 50657	Railways Applications – Rolling stock applications – Software on Board Rolling Stock	UL 61800-5-2	Adjustable Speed Electrical Power Drive Systems – Part 5-2: Safety Requirements – Functional
IEC 62278	Railway Applications Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS)	IEC 62279	Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems - Edition 2.0
IEC 62425	Railway applications – Communication, signalling and processing systems – Safety related electronic systems for signalling - Edition 1.0	EN 50159	Railway applications - Communication, signalling and processing systems - Safety-related communication in transmission systems
IEC 62280	Railway applications – Communication, signalling and processing systems – Safety related communication in transmission systems - Edition 1.0	NSF/ANSI/CAN 60	Drinking Water Treatment Chemicals – Health Effects
ISA/IEC 62443-2- 1:2024	Security for industrial automation and control systems - Part 2-1: Security program requirements for IACS asset owners	ISA/IEC 62443- 2-4:2023	Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers
ISA/IEC 62443-3- 2:2020	Security for industrial automation and control systems, Part 3-2: Security risk assessment for system design	ISA/IEC 62443- 3-3:2013	Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels
ISA/IEC 62443-4- 1:2018	Security for industrial automation and control systems - Part 4-1: Secure product development lifecycle requirements	ISA/IEC 62443- 4-2:2019	Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components





for programs within the following

SCOPE OF ACCREDITATION

GRANTED 2023-05-15:		GRANTE <mark>D 2023-</mark> 05-15:	
13.060.01 V	Vater quality in general	29.280	Electric traction equipment
13.060.20 D	Orinking water	29.200	Rectifiers. Converters. Stabilized power supply
13.110 S	Safety of machinery	35.080	Software
13.230 E	Explosion Protection	35.100.01	Open systems interconnection in general
13.320 A	Alarm and warning systems	35.240.50	IT applications in industry
25.040.01 Ir	ndustrial automation systems in general	35.240.60	IT applications in transport
25.040.10 M	Machining centres	43.040.10	Elec <mark>tr</mark> ical and electronic equipment
25.040.20 N	Numerically controlled mac <mark>hines</mark>	45.020	Railway engineering in general
25.040.30 Ir	ndustrial robots. Manipulat <mark>ors</mark>	45.060.01	Railway rolling stock in general
25.040.40 Ir	ndustrial process measure <mark>ment and control</mark>	45.060.10	Tractive stock
25.040.99 C	Other industrial automation s <mark>ystems</mark>	45.060.20	Trailing stock
29.020 E	Electrical engineering in general	93.100	Construction of railways
29.260.20 E	Electrical apparatus for explosive atmospheres		

GRANTED 2024-12-30:

ISASecure® Certification

- ISASecure® Component Security Assurance (CSA) Certification V1.0
- ISASecure® Industrial Internet of Things (IIoT) Component Security Assurance (ICSA) Certification V1.0
- ISASecure® Security Development Lifecycle Assurance (SDLA) Certification V3.0
- ISASecure® System Security Assurance (SSA) Certification V4.0

