

Date

Reference

2025-02-17

2024/2305

Scope of accreditation

Testing according to SS-EN ISO/IEC 17025:2018

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Fordon och automatisering

A002626-054

Electrical testing

EMC

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
2004/104/EG		Vehicle	Yes	2	No	Annex 4-10
95/54/EG		Vehicle	Yes	2	No	Annex 4-9
97/24/EG		Vehicle	Yes	2	No	Chapter 8
ABS part 4		Vehicle	Yes	2	No	
ABYC S-31		Electrical equipment	Yes	2	No	
Bureau Veritas Part C		Electrical equipment	Yes	2	No	ch 3, sec 6
CAN/CSA CISPR 12-10		Vehicle	Yes	2	Yes	
CAN/CSA-C108.4-M92		Vehicle	Yes	2	No	
CISPR 12		Vehicle	Yes	2	Yes	
CISPR 16-1-4		Electrical equipment	Yes	2	No	Except chapter 6 and 7
CISPR 22		Electrical equipment	Yes	2	No	
CISPR 25		Vehicle	Yes	2	Yes	
CISPR 36		Vehicle	Yes	2	No	
DEF-STAN 59-411		Radio equipment	Yes	2	Yes	Part 3, DRE02, DRE03, DRS01
DNVGL-CG-0339		Electrical equipment	Yes	2	No	
DO-160G		Electrical equipment	Yes	2	No	Section 15, 18, 19, 20.4, 21, 22 and 25
E10/IACS		Vehicle	Yes	2	No	
EN 12895		Working tools	Yes	2	Yes	Industrial lift trucks
EN 13309		Earth-movin machinery	Yes	2	No	
EN 15194		Vehicle	Yes	2	No	

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EN 50121-3-2		Railway applications	Yes	2	No	
EN 50121-4		Railway applications	Yes	2	No	
EN 50130-4		Alarm units	Yes	2	No	
EN 50155		Railway applications	Yes	2	No	
EN 50293		Traffic and vehicles	Yes	2	No	
EN 50470-1		Electricity meters	Yes	2	No	
EN 50498		Vehicle components	Yes	2	No	
EN 54-2		Alarm units	Yes	2	No	
EN 55011		Electrical equipment	Yes	2	No	
EN 55014-1		Electrical equipment	Yes	2	No	
EN 55014-2		Electrical equipment	Yes	2	No	
EN 55016-1-4		Electrical equipment	Yes	2	No	Except chapter 6 and 7
EN 55016-2-1		Electrical equipment	Yes	2	No	
EN 55016-2-3		Electrical equipment	Yes	2	No	
EN 55016-4-2		Electrical equipment	Yes	2	No	
EN 55022		Systems and products	Yes	2	No	
EN 55024		Systems and products	Yes	2	No	
EN 55032		Systems and products	Yes	2	No	
EN 55035		Multimedia Equipment	Yes	2	No	
EN 60601-1-2/A1		Medical equipment	Yes	2	No	
EN 61000-3-11		Electrical equipment	Yes	2	No	
EN 61000-3-12		Electrical equipment	Yes	2	No	
EN 61000-3-2		Electrical equipment	Yes	2	No	
EN 61000-3-3		Electrical equipment	Yes	2	No	
EN 61000-4-11		Electrical equipment	Yes	2	No	
EN 61000-4-13		Electrical equipment	Yes	2	No	

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EN 61000-4-16		Electrical equipment	Yes	2	No	
EN 61000-4-17		Electrical equipment	Yes	2	No	
EN 61000-4-2		Electrical equipment	Yes	2	No	
EN 61000-4-29		Electrical equipment	Yes	2	No	
EN 61000-4-3		Electrical equipment	Yes	2	No	
EN 61000-4-34		Electrical equipment	Yes	2	No	
EN 61000-4-4		Electrical equipment	Yes	2	No	
EN 61000-4-5		Electrical equipment	Yes	2	No	
EN 61000-4-6		Electrical equipment	Yes	2	No	
EN 61000-4-8		Electrical equipment	Yes	2	No	
EN 61000-4-9		Electrical equipment	Yes	2	No	
EN 61000-6-1		Electrical equipment	Yes	2	No	
EN 61000-6-2		Electrical equipment	Yes	2	No	
EN 61000-6-3		Electrical equipment	Yes	2	No	
EN 61000-6-4		Electrical equipment	Yes	2	No	
EN 61000-6-7		Electrical equipment	Yes	2	No	
EN 61000-6-8		Electrical equipment	Yes	2	No	
EN 61326-1		Measuring instrument	Yes	2	No	
EN 61326-3-1		Measuring instrument	Yes	2	No	
EN ISO 14982		Forestry machines	Yes	2	No	
ETSI EN 301 489-19		Electrical equipment	Yes	2	No	
ETSI EN 301 489-51		Electrical equipment	Yes	2	No	
ETSI EN 301 489-52		Electrical equipment	Yes	2	No	
ETSI TS 138 113		Electrical equipment	Yes	2	No	
GB/T 18387		Vehicle	Yes	2	No	
GB14023		Vehicle	Yes	2	No	

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ICES-001		Electrical equipment	Yes	2	No	
ICES-003		Electrical equipment	Yes	2	No	
ICES-Gen		Electrical equipment	Yes	2	No	Issue 1, issue2
IEC 60335-1		Electrical equipment	Yes	2	No	19.11.4 only
IEC 60533		Electrical installation	Yes	2	No	
IEC 60945		Marine equipment	Yes	2	No	Clause 9,10,11.2
IEC 61000-3-12		Electrical equipment	Yes	2	No	
IEC 61326-2-3		Measuring instrument	Yes	2	No	
IEC 61851-21-2		Vehicle charger	Yes	2	No	
IEC 62742		Marine equipment	Yes	2	No	
Inhouse method; 1618		Electricity meters	Yes	2	No	
Inhouse method; 5695		Vehicle charger	Yes	2	No	
ISO 10605		Vehicle	Yes	2	No	
ISO 11451-1		Vehicle	Yes	2	No	
ISO 11451-2		Vehicle	Yes	2	No	
ISO 11451-3		Vehicle	Yes	2	Yes	
ISO 11452-1		Vehicle components	Yes	2	No	
ISO 11452-10		Vehicle components	Yes	2	No	
ISO 11452-2		Vehicle components	Yes	2	No	
ISO 11452-3		Vehicle components	Yes	2	No	
ISO 11452-4		Vehicle components	Yes	2	No	
ISO 11452-5		Vehicle components	Yes	2	No	
ISO 11452-8		Vehicle components	Yes	2	No	
ISO 11452-9		Vehicle components	Yes	2	No	
ISO 13766		Earth-movin machinery	Yes	2	No	
ISO 16750-2		Vehicle	Yes	2	No	

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ISO 21498-1		Electrical equipment	Yes	2	No	
ISO 21498-2		Electrical equipment	Yes	2	No	
ISO 25197		control equipment	Yes	2	No	
ISO 7637-1		Vehicle components	Yes	2	No	
ISO 7637-2		Vehicle components	Yes	2	No	
ISO 7637-3		Vehicle components	Yes	2	No	
ISO 7637-4		Vehicle components	Yes	2	No	
KR, Korean Register of Classification		Electrical equipment	Yes	2	No	ch 3, sec 23
Lloyds Register Type Approval System, Test Specification Number 1		Electrical equipment	Yes	2	No	
MIL-STD 1275		Electrical equipment	Yes	2	No	
MIL-STD-461F, CE101		Electrical equipment	Yes	2	Yes	
MIL-STD-461F, CE102		Electrical equipment	Yes	2	Yes	
MIL-STD-461F, CS101		Electrical equipment	Yes	2	No	
MIL-STD-461F, CS106		Electrical equipment	Yes	2	No	
MIL-STD-461F, CS114		Electrical equipment	Yes	2	No	
MIL-STD-461F, CS115		Electrical equipment	Yes	2	No	
MIL-STD-461F, CS116		Electrical equipment	Yes	2	No	
MIL-STD-461F, RE101		Electrical equipment	Yes	2	No	
MIL-STD-461F, RE102		Electrical equipment	Yes	2	Yes	
MIL-STD-461F, RS101		Electrical equipment	Yes	2	No	
MIL-STD-461F, RS103		Electrical equipment	Yes	2	No	
MIL-STD-461G CS116		Electrical equipment	Yes	2	No	
MIL-STD-461G, CE101		Electrical equipment	Yes	2	No	
MIL-STD-461G, CE102		Electrical equipment	Yes	2	Yes	

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<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
MIL-STD-461G, CS101		Electrical equipment	Yes	2	No	
MIL-STD-461G, CS107		Electrical equipment	Yes	2	No	
MIL-STD-461G, CS114		Electrical equipment	Yes	2	No	
MIL-STD-461G, RE101		Electrical equipment	Yes	2	No	
MIL-STD-461G, RE102		Electrical equipment	Yes	2	Yes	
MIL-STD-461G, RS101		Electrical equipment	Yes	2	No	
MIL-STD-461G, RS103		Electrical equipment	Yes	2	No	
NATO-AECTP 500 EDE V1E		Vehicle	Yes	2	No	DRS01
		Vehicle	Yes	2	No	NC12
		Vehicle	Yes	2	No	NRE02S
		Vehicle	Yes	2	No	NRE04S
		Vehicle	Yes	2	No	NRS02S
		Vehicle	Yes	2	No	NRS05S
NK Part 7		Electrical equipment	Yes	2	No	ch 1
OIML 85-1		Volume meters	Yes	2	No	Limited to subpart 8.1.7.2.8 and 8.1.7.2.9
RINA Part C		Electrical equipment	Yes	2	No	ch 3, sec 6
SAE J551-5		Vehicle	Yes	2	No	
SS-EN 12015		Electrical equipment	Yes	2	No	
SS-EN 12016		Electrical equipment	Yes	2	No	
Telcordia GR-1089		Telecommunication	Yes	2	No	Limited to clause 2.1, 2.2, 3.3.1, 3.3.2, 3.3.3, 4.6.2.1.3, 4.6.2.1.5, 4.6.2.1.6, 4.6.2.1.7
UNECE Regulation No. 10		Vehicle	Yes	2	No	

IT- and communications testing

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<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
3GPP TS 25.113		Telecommunication	Yes	2	No	
3GPP TS 36.113		Telecommunication	Yes	2	No	
3GPP TS 37.113		Telecommunication	Yes	2	No	
3GPP TS 37.114		Telecommunication	Yes	2	No	
3GPP TS 38.113		Telecommunication	Yes	2	No	
ANSI C63.25.1		Radio equipment	No		No	
ANSI C63.4:2014 + ANSI C63.4a:2017		Radio equipment	No		No	
ETSI EN 300 386		Radio equipment	Yes	2	No	
ETSI EN 301 091-1		Radio equipment	Yes	2	No	
ETSI EN 301 091-2		Radio equipment	Yes	2	No	
ETSI EN 301 489-1		Radio equipment	Yes	2	No	
ETSI EN 301 489-13		Radio equipment	Yes	2	No	
ETSI EN 301 489-17		Radio equipment	Yes	2	No	
ETSI EN 301 489-18		Radio equipment	Yes	2	No	
ETSI EN 301 489-19		Radio equipment	Yes	2	No	
ETSI EN 301 489-2		Radio equipment	Yes	2	No	
ETSI EN 301 489-20		Radio equipment	Yes	2	No	
ETSI EN 301 489-22		Radio equipment	Yes	2	No	
ETSI EN 301 489-23		Radio equipment	Yes	2	No	
ETSI EN 301 489-24		Radio equipment	Yes	2	No	
ETSI EN 301 489-26		Radio equipment	Yes	2	No	
ETSI EN 301 489-3		Radio equipment	Yes	2	No	
ETSI EN 301 489-33		Radio equipment	Yes	2	No	
ETSI EN 301 489-4		Radio equipment	Yes	2	No	
ETSI EN 301 489-5		Radio equipment	Yes	2	No	

IT- and communications testing

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<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ETSI EN 301 489-50		Radio equipment	Yes	2	No	
ETSI EN 301 489-51		Radio equipment	Yes	2	No	
ETSI EN 301 489-52		Radio equipment	Yes	2	No	
ETSI EN 301 489-8		Radio equipment	Yes	2	No	
ETSI EN 301 489-7		Radio equipment	Yes	2	No	
ETSI TS 125 113		Telecommunication	Yes	2	No	
FCC MP-5:1986		Radio equipment	No		No	

IT- and communications testing

Radio frequency

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ANSI C63.10:2013		Radio equipment	No		No	Max frequency 220 GHz
ANSI C63.10:2020		Radio equipment	No		No	Max frequency 220 GHz
ANSI C63.26:2015		Radio equipment	No		No	Max frequency 220 GHz
ANSI/TIA/EIA-136-280-D		Telecommunication	Yes	2	No	
ANSI/TIA-603-D		Radio equipment	No		No	
ETSI EN 300 086		Radio equipment	Yes	2	No	
ETSI EN 300 086-1		Radio equipment	Yes	2	No	
ETSI EN 300 086-2		Radio equipment	Yes	2	No	
ETSI EN 300 091-1		Radio equipment	Yes	2	No	
ETSI EN 300 091-2		Radio equipment	Yes	2	No	
ETSI EN 300 113-2		Radio equipment	Yes	2	No	
ETSI EN 300 135-1		Radio equipment	Yes	2	No	
ETSI EN 300 135-2		Radio equipment	Yes	2	No	

IT- and communications testing

Radio frequency

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ETSI EN 300 220-1		Radio equipment	Yes	2	No	
ETSI EN 300 220-2		Radio equipment	Yes	2	No	
ETSI EN 300 220-3-1		Radio equipment	Yes	2	No	
ETSI EN 300 220-3-2		Radio equipment	Yes	2	No	
ETSI EN 300 296-1		Radio equipment	Yes	2	No	
ETSI EN 300 296-2		Radio equipment	Yes	2	No	
ETSI EN 300 328		Radio equipment	Yes	2	No	
ETSI EN 300 328-2		Radio equipment	Yes	2	No	
ETSI EN 300 330		Radio equipment	Yes	2	No	
ETSI EN 300 390-1		Radio equipment	Yes	2	No	
ETSI EN 300 390-2		Radio equipment	Yes	2	No	
ETSI EN 300 440		Radio equipment	Yes	2	No	
ETSI EN 301 502		Radio equipment	Yes	2	No	
ETSI EN 301 893		Radio equipment	Yes	2	No	
ETSI EN 301 908-1		Radio equipment	Yes	2	No	
ETSI EN 302 264		Radio equipment	Yes	2	No	
ETSI EN 302 291-1		Radio equipment	Yes	2	No	
ETSI EN 302 291-2		Radio equipment	Yes	2	No	
ETSI EN 302 372		Radio equipment	Yes	2	No	
ETSI EN 302 729		Radio equipment	Yes	2	No	
ETSI EN 303 396		Radio equipment	Yes	2	No	
ETSI EN 303 413		Radio equipment	Yes	2	No	
ETSI EN 303 447		Radio equipment	Yes	2	No	
ETSI EN 305 550-1		Radio equipment	Yes	2	No	
ETSI EN 305 550-2		Radio equipment	Yes	2	No	
ETSI TS 101 087		Telecommunication	Yes	2	No	

IT- and communications testing

Radio frequency

Method	Parameter	Material	Flex	Type of flex	Field	Note
Inhouse method; 2318		Radio equipment	Yes	2	No	
Inhouse method; 2745		Radio equipment	Yes	2	No	
KDB 905462, D02 U-NII DFS Compliance Procedures New Rules v02		Radio equipment	No		No	
RSS-132		Radio equipment	Yes	2	No	
RSS-139		Radio equipment	Yes	2	No	
RSS-192		Radio equipment	Yes	2	No	
RSS-248		Radio equipment	Yes	2	No	
TIA-102.CAAA-D		Radio equipment	No		No	

Changes in the scope of accreditation are in bold.

The accreditation also applies to the corresponding version of the international EN and ISO standards.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Type of flexible scope

- 1: - Introduce new version of standard method and make editorial changes to non-standard method
- 2: - Introduce new version of standard method and make editorial changes to non-standard method - Introduce new version and modifications of non-standard method. The procedure must be equivalent - Introduce new parameter/component/characteristics - Introduce new measurement range - Introduce new material/new products/matrices - Introduce new method equivalent to methods already in the accreditation decision