

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 248**

of **Kiwa Nederland B.V.**
Kiwa FSS Testing

This annex is valid from: **02-02-2024** to **01-10-2026**

Replaces annex dated: **25-10-2023**

Location(s) where activities are performed under accreditation

Head Office

Sir Winston Churchill-laan 273
2288 EA
Rijswijk
The Netherlands

Location	Abbreviation/ location code
Wilmersdorf 50 7327 AC Apeldoorn The Netherlands	AP
Dwarsweg 10 5301 KT Zaltbommel The Netherlands	ZA

No.	Material or product	Type of activity ¹	Internal reference number	Location
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Tests in conformity with method of Internal reference numbers

1	Energy Products & Systems	Indirect efficiency	IRN 01	AP
2		Combustion CO/CO ₂	IRN 02	AP
3		Flow gas/air	IRN 03	AP
4		Temperature (flue) gas	IRN 05	AP

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the [RvA-BR010-lijst](#).
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

This annex has been approved by the Board of the
Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

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5	Energy Products & Systems	Energy input (gas)	IRN 06	AP
6		Pressure	IRN 07	AP
7		Combustion test NO/NO ₂ /NO _x	IRN 71	AP
8		Combustion test smooth ignition	IRN 72	AP
9		Flow liquid	IRN 73	AP
10		Temperature (surface and materials)	IRN 74	AP
11		Temperature liquid	IRN 75	AP
12		Energy output (thermal)	IRN 77	AP
13		Energy input (electrical)	IRN 78	AP
14		Determination sound power level	IRN 83 NEN-EN-ISO 3743-1 NEN-EN-ISO 9614-1 NEN-EN-ISO 9614-2	AP
15	Electrical products, equipment, components and installations	Heating	IRN 24	AP
16		Overload	IRN 25	AP
17		Abnormal operation	IRN 26	AP
18		Electric power and current input	IRN 27	AP
19		Electric strength	IRN 28 EN-IEC 60664-1 EN 61180	AP
20		Leakage current	IRN 29 EN-IEC 60990	AP
21		Earth resistance	IRN 30	AP
22		Tracking	IRN 31	AP
23		Ball-pressure	IRN 32	AP

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24		Glow-wire	IRN 33	AP
25	Electrical products, equipment, components and installations	Needle flame	IRN 34	AP
26		Protection against access to live and moving parts	IRN 35	AP
27		Impact resistance	IRN 36 EN-IEC 62262	AP
28		Pull/push force and torque	IRN 37 EN-IEC 62262	AP
29		Torque Testing	IRN 38	AP
30		Creepage distances, clearances and distance through insulation	IRN 39 EN-IEC 60664-1	AP
31		Endurance/Thermal stress test	IRN 40	AP
32		Normal operation/Functional test	IRN 41	AP, ZA
33		Protection against internal faults (software evaluation)	IRN 42	AP
34		Water and Dust Testing	IRN 43	AP
35		Humidity testing	IRN 44	AP
36		Environmental stress	IRN 45	AP
37		Voltage/Current measurement	IRN 84	AP
38		Hydrostatic testing	IRN 85	AP
39		Flammability testing	IRN 86	AP
40		Mechanical stability measurement	IRN 511	AP
41		(Earth) Leakage and Touch Current measurement	IRN 503 EN-IEC 60990	AP
42		Residual voltage (plug discharge)	IRN 510	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
43		Reversed current Lithium batteries	IRN 507	AP
44	Electrical products, equipment, components and installations	Insulation resistance	IRN 505	AP
45		Durability and legibility of labeling	IRN 504	AP
46		Defibrillation proof testing	IRN 501	AP
47		EGC testing	IRN 502	AP
48	Fire safety components and materials	Pressure test	IRN 46	ZA
49		Flow test	IRN 47	ZA
		Early suppression Fast Response sprinkler (ESFR)		
		Fast-response sprinkler		
	Special-response sprinkler			
	Standard-response sprinkler			
50	Gas & Liquid carrying products components and materials	Time test	IRN 48	AP
51		Force measurement	IRN 50	AP
52		Torque measurement	IRN 51	AP
53		Sensory observation	IRN 53	AP
54		Dimensional aspects	IRN 55	AP
55		Flow and pressure drop testing	IRN 57	AP
56	Respiratory protective devices	Determination of breathability: flow and pressure drop testing	IRN 57	AP
57		Leak tightness	IRN 59	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
58	Gas & Liquid carrying products components and materials	Mass/volume measurement	IRN 60	AP
59		Electrical characteristics	IRN 65	AP
60	Fire safety components and materials Early suppression Fast Response sprinkler (ESFR) Fast-response sprinkler Special-response sprinkler Standard-response sprinkler	Requirements and test methods for sprinklers Operating temperature test Water flow and distribution test Function test	IRN 89 Thermal response test	ZA

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No.	Material or product	Type of activity ¹	Internal reference number	Location
61	Electrical and Electronic Equipment (Including: (Fire) Alarm systems, Telecommunication Terminal Equipment, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers.)	Functional tests and verification of the requirements for (fire)alarm components.	IRN 103 Control and indicating equipment IRN 104 Warning devices IRN 106 Power Supply IRN 110 Supervised Premises Transceiver (SPT) IRN 122 Intrusion detectors – Passive infrared IRN 126 Magnetic contacts IRN 127 Glass break detectors IRN 128 Shock detectors IRN 131 T031 Belgium standard IRN 153 Radio frequency (RF) interconnections IRN 162 Alarm transmission systems - Requirements for SPT IRN 163 Alarm Transmission systems - Requirements for Receiving Centre Transceiver (RCT) IRN 202 Fire panel IRN 203 Sounders IRN 205 Heat detectors IRN 207 Smoke detectors IRN 211 Manual call point IRN 216 Voice Evacuation & Control and Indicating Equipment IRN 217 Isolator IRN 218 In-/Output module IRN 223 Visual Alarm Devices IRN 224 Loudspeakers IRN 229 Fire alarm devices – Multi-sensor fire detectors IRN 334 T034 Belgium Standard	AP

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62	Electrical and Electronic Equipment (Including: (Fire) Alarm systems, Telecommunication Terminal Equipment, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers.)	Environmental tests for (fire)alarm components.	IRN 304 EMC for (fire) alarm components IRN 305 Alarm systems - Environmental test methods	AP
63		Frequency (Hz) 30 Hz – 26 GHz	IRN 400	AP
64		Duty cycle 0 to 100 %	IRN 401	AP
65		RF Power (W) 10 nW to 1 kW @ 9 kHz – 40 GHz	IRN 402	AP
66		Adjacent channel Power (W) 10 nW to 50 W @ 9 kHz – 40 GHz	IRN 403	AP
67		Spurious emission (W) 9 kHz – 60 GHz	IRN 415	AP
68		Occupied bandwidth (Hz) 0 kHz – 40 GHz	IRN 404	AP
69		Transient Power (W) 10nW to 1W @ 9 kHz – 10 GHz	IRN 405	AP
70		Adjacent channel selectivity (dB) 0 dB to -80 dB @ 9 kHz – 6 GHz	IRN 406	AP
71		Blocking – desensitisation (dB) 9 kHz – 6 GHz	IRN 407	AP
72		Receiver Sensitivity (V/m or V) -20BµV to 120dBµV	IRN 408	AP

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73	Electrical and Electronic Equipment (Including: (Fire) Alarm systems, Telecommunication Terminal Equipment, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers.)	RF spectrum mask (W/Hz) 9 kHz – 40 GHz	IRN 409	AP
74		Spurious response rejection (dB) 0 to 110 dB @ 9 kHz – 6 GHz	IRN 411	AP
75		Spectral power density (W/Hz) 1nW/MHz to 1 W/MHz	IRN 412	AP
76		Adaptivity 100 MHz – 6 GHz	IRN 413	AP
77		Dynamic Frequency Selection (DFS) 100 Hz – 6 GHz	IRN 414	AP
78	IoT consumer products, network-connected (and network-connectable) device that has relationships to associated services and are used by the consumer typically in the home or as electronic wearables	Functionality testing and security testing for resilience against common cyber threats; - Software tests (penetration, passwords, vulnerabilities, integrity and security parameters) - Hardware tests (physical interfaces) - Network and logical interfaces - Attact test (authentication mechanisms) - Userdata delete test	IRN 303 ETSI 103 701	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
EMC.E	Electromagnetic Compatibility Emission (EMC)			
EMC.E.01	Electrical products, equipment, components and installations	Conducted Emissions Voltage method (AN) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.02		Conducted Emissions Voltage method (AMN) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.03		Conducted Emissions Voltage method (LISN) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.04		Conducted Emissions Voltage method (Voltage probe) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.05		Conducted Emissions Current method (Current probe) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.06		Conducted Emissions Power disturbance method (Absorbing clamp) 9 kHz - 30 MHz	IRN 439	AP
EMC.E.09		Conducted Emissions Discontinuous disturbance 9 kHz - 30 MHz	IRN 439	AP
EMC.E.14		Radiated Emissions Full Anechoic Chamber Method (FACM) 30 MHz - 1 GHz	IRN-441	AP

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EMC.E.15	Electrical products, equipment, components and installations	Radiated Emissions Semi Anechoic Chamber Method (SACM) 9 kHz - 40GHz	IRN 441	AP
EMC.E.19		Radiated Emissions Van Veen loop method 9 kHz - 30 MHz	IRN 410	AP
EMC.E.20		Radiated Emissions 60 cm loop method 9 kHz – 30 MHz	IRN 410	AP
EMC.E.26		Harmonic Current Emissions (Up to and including 16A per phase) 1 + 3 phase	IRN 444	AP
EMC.E.27		Voltage changes, voltage fluctuations and flicker Emissions (Up to and including 16A per phase) 1 + 3 phase	IRN 445	AP
EMC.E.34		Conducted Emissions Voltage method (AAN) 9 kHz - 30 MHz	IRN 439	AP
EMC.I	Electromagnetic Compatibility Immunity			
EMC.I.03	Electrical products, equipment, components and installations	Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity 16.5 – 2400 Hz 1 + 3 phase	IRN 443	AP
EMC.I.07	Electrical products, equipment, components and installations	Immunity to conducted disturbances Induced by radio-frequency fields Up to 20 Vrms 150 kHz - 230 MHz	IRN 434	AP

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EMC.I.12		Radiated Immunity Electric Field Up to 20 V/m 80 MHz - 6 GHz	IRN 435	AP
EMC.I.21		Electrostatic discharge Immunity (ESD) Contact discharge 0 – 8 kV Air discharge 0 – 15 kV	IRN 419	AP
EMC.I.22		Electrical fast transient / burst Immunity (EFT) DC + 1 + 3 phase 0.25 - 4 kV	IRN 420	AP
EMC.I.23		Surge Immunity DC + 1 + 3 phase 0.2 - 4 kV 10/700 µs, 1.2/50 (8/20) µs	IRN 437	AP
EMC.I.24		Power frequency magnetic field Immunity 50/60 Hz 1 – 100 A/m	IRN 440	AP
EMC.I.26		Voltage dips, short interruptions and voltage variations Immunity 1 + 3 phase 0° - 360°	IRN 418	AP
EMC.I.32		Electrical products, equipment, components and installations	Supply frequency variations Immunity 16.00 - 819.0 Hz	IRN 442
EMC.I.36	Ring wave immunity test DC + 1 + 3 phase 0.2 - 4 kV		IRN 437	AP

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Item a-h as given below shows the relation between the test activities 1-76 as mentioned above and the standards, directive and/or approval requirements in which the test activity is included

a.	Energy products	Activity IRN 01 up to and including IRN 03, IRN 05 up to and including IRN 07, IRN 71 up to and including IRN 75, IRN 77, IRN 78 and IRN 83 as far as relevant in the following documents	EN 26, EN 30-1-1, EN 30-1-2, EN 30-2, EN 30-2-1, EN 30-2-2, EN 89, EN 203-1, EN 203-2, EN 203-3, EN 297, EN 303-1, EN 303-3, EN 303-4, EN 416-1, EN 419-1, EN 449, EN 461, EN 483, EN 484, EN 497, EN 498, EN 509, EN 521, EN 613, EN 621, EN 625, EN 656, EN 676, EN 677, EN 732, EN 778, EN 1020, EN 1196, EN 12102; EN 12102-1, EN 12309-1, EN 1319, EN 13203-1, EN 13203-2, EN 13836, EN 1458-1, EN 1596, EN 14511, EN 14825, EN 15036-1, EN 15417, EN 15420, EN 15502-1, EN 15502-2-1, EN 16147, GASKEUR CV, CV-HR, CV-SV, CV-HRww, NZ, WV, WD, LV, LV-HR, LV-SV, GASTEC QA KE 174, GASTEC QA KE 175, NEN-EN 50291-1, NEN-EN 50465, SANS 1539, SASO 167, SASO 168	AP
b.	Duct systems	Activity IRN 05, IRN 07, IRN 59, IRN 74, as far as relevant in the following documents	GASTEC QA KE 19, GASTEC QA KE 83, GASTEC QA KE 138, GASTEC QA KE 166, KOMO BRL 5101, KOMO BRL 5102, NEN 7203, EN 7207, EN 1859	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
c.	EMC testing on household and similar electrical products (HOUSE) , equipment, controls (CON) and installations	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.04, EMC.E.05 EMC.E.06, EMC.E.09, EMC.E.14, EMC.E.15, EMC.E.19, EMC.E.26, EMC.E.27, EMC.E.34 EMC.I.03, EMC.I.07, EMC.I.12, EMC.I.21 EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.26 EMC.I.32, EMC.I.36	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 55014-1, EN 55014-2, EN 55011, EN 55022, EN 61000-3-3, EN 61000-3-2, UN R10, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-7, EN 61000-4-8, EN 61000-4-11, EN 61000-4-15, EN 13611, EN 12067-2, EN 14459, EN 298, EN 230, EN 1643, EN 60335-1, EN 60335-2-40, EN 60335-2-42, EN 60335-2-102, EN 60730-1, EN 60730-2-5, EN 60730-2-9, NEN-EN 55035	AP

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d.	LVD testing on household and similar electrical products (HOUS), Switches for appliances and automatic controls for electrical household appliances (CONT), Electronics, entertainment (TRON), Industrial Automation (INDA), Lighting (LITE), IT and office equipment (OFF), Measurement, Control and Laboratory equipment (MEAS), Safety transformers and similar equipment (SAFE), Information Technology Audio Video (ITAV)	Activity IRN 24 up to and including IRN 45 and IRN 84 up to and including IRN 86 as far as relevant in the following documents	EN-IEC 60065 EN-IEC 60204-1 EN-IEC 60335-1 and part: 2-1, 2-5, 2-6, 2-8, 2-9, 2-13, 2-15, 2-21, 2-23, 2-24, 2-25, 2-27, 2-29, 2-30, 2-31, 2-32, 2-35, 2-36, 2-37, 2-38, 2-39, 2-40, 2-42, 2-44, 2-47, 2-48, 2-50, 2-53, 2-60, 2-65, 2-66, 2-75, 2-78, 2-80, 2-82, 2-88, 2-89, 2-90, 2-97, 2-99, 2-102 EN-IEC 60529 (only IP00 until IP68) EN-IEC 60598-1 and part: 2-1, 2-3, 2-4, 2-7 EN-IEC 60730-1 and part: 2-5, 2-8, 2-9 EN-IEC 60950-1 EN-IEC 61010-1 and part: 2-010, 2-030, 2-040, 2-081 EN-IEC 61558-1 and part: 2-6, 2-16 EN-IEC 62368-1, EN-IEC 62790 IEC 62990-1 EN 230 EN 298 EN 1643 EN 12067-2 EN 13611 EN 14459 EN 45544-1, -2 and -3 EN 50104 NEN-EN 50291-1	AP

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e.	Gas & Liquid carrying components for Appliances, Distribution and Installations	Activity IRN 48, 50, 51, 53, 55, 57, 59, 60 and 65 as far as relevant in the following documents	Regulation (UNECE) No 67, Regulation (UNECE) No 110, ISO 15500, ISO 15540, ISO 15541, EN 88, EN 125, EN 126, EN 161, EN 257, EN 13611, EN 1106, EN 1643, EN 1854, EN 12078, EN 12067-1, EN 331, EN 1555-1, EN 1555-2, EN 1555-3, NEN-EN 14683+C1, Clause 5.2.3, Annex C GASTEC QA KE 10, GASTEC QA KE 11, GASTEC QA KE 31, GASTEC QA KE 35, GASTEC QA KE 52, GASTEC QA KE 53, GASTEC QA KE 58, GASTEC QA KE 69, GASTEC QA KE 69(1), GASTEC QA KE 70, GASTEC QA KE 91, GASTEC QA KE 96, GASTEC QA KE 136, GASTEC QA KE 165, GASTEC QA KE 171, GASTEC QA KE 176, GASTEC QA KE 186, GASTEC QA KE 187, GASTEC QA KE 194, GASTEC QA KE 198, GASTEC QA KE 201, ANSI Z21.18/CSA 6.3, ANSI Z21.78/CSA 6.20, ANSI Z21.21/CSA 6.5, ANSI Z21.15, CSA 9.1 DVGW G 5614	AP

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f.	Automotive	Activity IRN 48, IRN 50, IRN 51, IRN 53, IRN 55, IRN 57, IRN 59, IRN 60 and IRN 65 as far as relevant in the following documents	Regulation (UNECE) No 67, Regulation (UNECE) No 110, ISO 15500, ISO 15540, ISO 15541, ISO 15995, ANSI NGV 3.1/CSA 12.3, ANSI PRD 1, ISO 14469-1, ISO 14469-2, ISO 14469-3, NEN-EN-ISO 14903 Regulation EU 406/2010 ANSI NVG1 CSA NVG1 Regulation No. 134 DVGW 5600, EU 2021/535, CSA-ANSI HGV 3.1, CSA-ANSI HPRD1, NEN-EN-ISO 11114-4, NEN-EN 12245, NEN-EN 17339	AP
g.	Energy Products & Systems	Activity IRN 03, IRN 05, IRN 06, IRN 07, IRN 27, IRN 73, IRN 74, IRN 75, IRN 78 as far as relevant in the following documents	ENERGY STAR Program Requirements for Commercial Ovens; Eligibility Criteria for Commercial Combination Ovens ASTM F 2861 Standard Test Method for Performance of Convection Ovens ASTM F 1496	AP

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h.	Fire safety components and materials Early suppression Fast Response sprinkler (ESFR) Fast-response sprinkler Special-response sprinkler Standard-response sprinkler	IRN 41, IRN 46, IRN 47, IRN 89	ISO 6182-1 ISO 6182-1: 2014 ISO 6182-1; 2004 ISO 6182-1: 2021 ISO 6182-7 ISO 6182-7; 2020 ISO 6182-7; 2004 EN 12259-1, EN 12259-1; 1999+A1; 2001, A3: 2006, EN 12259-1; 1999+A1; 2001, A2: 2004, EN 12259-1; 1999+A1; 2001, EN 12259-1; 1999 VdS 2091	ZA
i.	PE Welding	IRN 50 Force measurement, IRN 51 Torque measurement, IRN 53 Sensory observation, IRN 55 Dimensions, IRN 65 Electrical characteristics	NEN 7200 hoofdstuk 6, NTA 8828 paragraaf 5.4.8.3, Procedure PA-001, Procedure PA-002, ISO 527-1, -2, ISO 13953, ISO 13954, ISO 13955, ISO 13956	AP
j.	Electrical equipment for medical use (MED)	Activity IRN 24 up to and including IRN 45 and IRN 84 up to and including IRN 86, IRN 501, IRN 502 up to and including IRN 506 and IRN 511 as far as relevant in the following documents	EN-IEC 60601-1, 2-1, 2-5, 2-10, 2-22, 2-24, 2-25, 2-26, 2-27, 2-38, 2-40, 2-47	AP
k.	Batteries (BATT)	IRN 507	EN-IEC 60086-4	AP

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Fire/Security tests				
I.	Fire/Security Components & Systems (Including Intrusion Systems, Access Control Systems and Social (Fire)Alarm Systems)	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414 and IRN 334 EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24 EMC.I.26	EN 50130-5, IEC 62599-1 EN 50131-1, EN 50131-2-2, DIN EN 50131-2-2, EN 50131-2-3, EN 50131-2-4, EN 50131-2-6, EN 50131-2-7-1, EN 50131-2-7-2, EN 50131-2-7-3, EN 50131-3, DIN EN 50131-3, EN 50131-4, EN 50131-5-3, DIN EN 50131-5-3, EN 50131-6, DIN EN 50131-6, EN 50131-8, EN 50131-9, EN 50131-10, DIN EN 50131-10, IEC 62642-1, IEC 62642-2-2, IEC 62642-2-3, IEC 62642-2-4, IEC 62642-2-6, IEC 62642-2-71, IEC 62642-2-72, IEC 62642-2-73, IEC 62642-3, IEC 62642-4, IEC 62642-5-3, IEC 62642-6, IEC 62642-8, EN 50133-1, EN 50133-2-1, EN 50133-7, EN 50134-1, EN 50134-3, EN 50134-5, IEC 62851-1, IEC 62851-2, IEC 62851-3, IEC 62851-5 EN 50136-1-1, EN 50136-2-1, EN 50136-2-3, EN 50136-1, DIN EN 50136-1, EN 50136-2, DIN EN 50136-2, EN 50136-3, IEC 60839-5-1, IEC 60839-5-3, TS 50136-4 EN/IEC 60839-11-1 ISO 7240-1, ISO 7240-2, ISO 7240-3, ISO 7240-4, ISO 7240-11, ISO 7240-13, ISO 7240-16, ISO 7240-17, ISO 7240-18, ISO 7240-21, ISO 7240-23, ISO 7240-24, ISO 7240-25 EN/TS 50398, RE_070, SSF1014 T031, T033, T034 EN 54-1, EN 54-2, EN 54-3, EN 54-4, EN 54-5, EN 54-7, EN 54-11, EN 54-13, EN 54-16, EN 54-17, EN 54-18, EN 54-21, EN 54-23, EN 54-24, EN 54-25, EN 54-29, AS 4428-16, EN 12094, EN 14604, EN50131-2-8	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Maritime tests				
m.	Maritime Communication and Navigation Equipment	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414 EMC.E.02, EMC.E.03, EMC.E.15, EMC.E.19, EMC.E.20, EMC.E.34, EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.26	EN 60945, RSS-181, RSS-182, RSS-238, RSS-287, RSS-288, IEC 60092-504, IEC 60533	AP
Radio tests				
n.	Radio transmitters and receivers	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414	AS/NZS 4268, EN 300 113, EN 300 220, EN 300 328, EN 300 330, EN 300 440, EN 301 357, EN 301 511, EN 301 893, EN 301 908, EN 302 291, EN 302 502, LP0002	AP
Fire/Security EMC Emission and Immunity Tests				
o.	Electrical and Electronic Equipment (Including: Alarm/Fire Systems, , Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers)	EMC.E.02, EMC.E.03, EMC.E.05, EMC.E.14, EMC.E.15, EMC.E.19, EMC.E.20, EMC.E.34 EMC.I.07, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.26	Applicable product/basic standards: EN 50121-4, EN 50130-4, IEC 62599-2, EN 55014-1, EN 55014-2, EN 55032, EN 55024, EN 55103-1, EN 55103-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 301 489	AP

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FCC (Federal Communications Commission) tests				
p.	Electrical and Electronic Equipment (Including: (Fire) Alarm systems, Telecommunication Terminal Equipment, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers.)	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414 EMC.E.03, EMC.E.15, EMC.E.19, EMC.E.20, EMC.E.34	FCC Part 2, FCC Part 11, ANSI C63.4-2014, ANSI C63.10-2013, ANSI C63.17-2013 ANSI/TIA-603D + ANSI 63.26-2015 TIA-102.CAAA-D	AP
	Unintentional Radiators (FCC Part 15, Subpart B)		ANSI C63.4-2014	AP
	Industrial, Scientific, and Medical Equipment (FCC Part 18) Consumer ISM equipment		FCC MP-5 (February 1986)	AP
	Intentional Radiators (FCC Part 15 Subpart C)		ANSI C63.10-2013	AP
	U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) Unlicensed National Information Infrastructure Devices (U-NII without DFS)		ANSI C63.10-2013	AP

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No.	Material or product	Type of activity ¹	Internal reference number	Location
	<p>U-NII with DFS Intentional Radiators (FCC Part 15 Subpart E)</p> <p>Unlicensed National Information Infrastructure U-NII) Devices with Dynamic Frequency Selection (DFS)</p>	<p>Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414</p> <p>EMC.E.03, EMC.E.15, EMC.E.19, EMC.E.20, EMC.E.34</p>	<p>FCC KDB Publication 905462 D02 U-NII DFS Compliance Procedures New Rules v02 (April 8, 2016)</p>	<p>AP</p>
	<p>UWB Intentional Radiators (FCC Part 15, Subpart F)</p> <p>Ultra-wideband Operation</p>		<p>ANSI C63.10-2013</p>	<p>AP</p>
	<p>Commercial Mobile Services (FCC Licensed Radio Service Equipment) Part 22 (cellular) Part 24 Part 25 (below 3 GHz) Part 27</p>		<p>ANSI 63.26:2015</p>	<p>AP</p>
	<p>Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) Part 80 Part 87</p>		<p>ANSI 63.26:2015</p>	<p>AP</p>

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No.	Material or product	Type of activity ¹	Internal reference number	Location
ISED (Innovation, Science and Economic Development Canada) tests				
q.	Electrical and Electronic Equipment (Including: (Fire) Alarm systems, Telecommunication Terminal Equipment, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers.)	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414 EMC.E.02, EMC.E.03, EMC.E.15, EMC.E.19, EMC.E.20, EMC.E.34	BETS-1, BETS-3, BETS-4, BETS-5, BETS-6, BETS-7, BETS-8, BETS-9, BETS-11 RSS-Gen, RSS-102 (RF exp.) measurement, RSS-111, RSS-112, RSS-117, RSS-119, RSS-123, RSS-125, RSS-127, RSS-131, RSS-132, RSS-133, RSS-134, RSS-135, RSS-137, RSS-139, RSS-141, RSS-142, RSS-170, RSS-191, RSS-192, RSS-194, RSS-195, RSS-196, RSS-197, RSS-199, RSS-210, RSS-213, RSS-215, RSS-216, RSS-220, RSS-243, RSS-310, RSS-247	AP
JAPAN tests				
r.	Electrical and Electronic Equipment (Including: Telecommunication Terminal Equipment, Radio Transmitters and Receivers.)	Activity IRN 400 up to and including IRN 409, IRN 411 up to and including 414	Ordinance Regulating Radio Equipment (Radio Regulatory Commission Rules No. 18) (Radio Law Japan) Ordinance Concerning Terminal Facilities Etc. (Ministerial Ordinance of MPT No. 31) (Telecommunications Business Law Japan)	AP

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s.	IoT consumer products (such as: baby monitors, smoke detectors, door locks, IoT base stations, smart camera's, smart TV's, smart speakers, smart home assistants, health trackers and connected appliances such as washing machines) network-connected (and networkconnectable) device that has relationships to associated services and are used by the consumer typically in the home or as electronic wearables	Activity IRN 303	IRN 303 ETSI 103 701, ETSI EN 303 645	AP