Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2005
Registration number: **L 021**

of **Telefication B.V.**
Laboratorium

This annex is valid from: **12-06-2019** to **30-11-2020** Replaces annex dated: **06-02-2019**

Location(s) where activities are performed under accreditation

Head Office

Edisonstraat 12 A
6902 PK
Zevenaar
The Netherlands

Location	Abbreviation/ location code
Head Office Edisonstraat 12 A 6902 PK Zevenaar The Netherlands	Z
Wilmersdorf 50 3727 AC Apeldoorn The Netherlands	A

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

J.A.W.M. de Haas
Director of Operations

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No.	Material or product	Type of activity[1]	Internal reference number	Location
1	**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 131 T031 Belgium standard IRN 134 Social Alarm 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 211 Manual call point IRN 216 Voice Evacuation & Control and Indicating Equipment IRN 217 Isolator IRN 218 In-/Output module	A Z IRN 153

[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.

No.	Material or product	Type of activity[1]	Internal reference number	Location
			IRN 224 Loudspeakers	
2		Environmental tests for (fire)alarm components.	IRN 304 EMC for (fire) alarm components IRN 305 Alarm systems - Environmental test methods	A
3		Frequency (Hz) 30 Hz – 26 GHz	IRN 005, in accordance with; RSS-Gen, ANSI 63.10-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010, ANSI 63.17-2013, Ordinance Regulating Radio Equipment (Radio Regulatory Commission rules No. 18), (Radio Law Japan)	Z
4		Duty cycle 0 to 100 %	IRN 013, in accordance with: RSS-GEN, ANSI 63.10-2013	Z
5		RF Power (W) 10 nW to 1 kW @ 9 kHz – 40 GHz	IRN 014, in accordance with: RSS-GEN, ANSI 63.10-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010, ANSI 63.17-2013, Ordinance Regulating Radio Equipment (Radio Regulatory Commission rules No. 18), (Radio Law Japan)	Z
6		Adjacent channel Power (W) 10 nW to 50 W @ 9 kHz – 40 GHz	IRN 015	Z
7		Spurious emission (W) 9 kHz – 60 GHz	IRN 016, in accordance with: RSS-GEN, ANSI 63.10-2013, ANSI 63.17-2013, Ordinance Regulating Radio Equipment (Radio Regulatory Commission rules No. 18), (Radio Law Japan)	Z
8		Occupied bandwidth (Hz) 0 kHz – 40 GHz	IRN 017, in accordance with: RSS-GEN, ANSI 63.10-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010, Ordinance Regulating Radio Equipment (Radio Regulatory Commission rules No. 18), (Radio Law Japan)	Z

No.	Material or product	Type of activity[1]	Internal reference number	Location
9		Transient Power (W) 10nW to 1W @ 9 kHz – 10 GHz	IRN 018	Z
10		Adjacent channel selectivity (dB) 0 dB to -80 dB @ 9 kHz – 6 GHz	IRN 020	Z
11		Blocking – desensitisation (dB) 9 kHz – 6 GHz	IRN 021, in accordance with: RSS-GEN, ANSI 63.26-2015, ANSI/TIA-603-D June 2010	Z
12		Sensitivity (V/m or V) -20 dBµV to 120 dBµV	IRN 024, in accordance with: RSS-GEN, ANSI 63.26-2015, ANSI/TIA-603-D June 2010	Z
13		RF spectrum mask (W/Hz) 9 kHz – 40 GHz	IRN 025	Z
14		Spurious response rejection (dB) 0 to 110 dB @ 9 kHz – 6 GHz	IRN 028, in accordance with: RSS-GEN, ANSI 63.26-2015, ANSI/TIA-603-D June 2010	Z
15		Spectral power density (W/Hz) 1nW/MHz to 1 W/MHz	IRN 030, in accordance with: RSS-GEN, ANSI 63.10-2013, ANSI 63.17-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010, Ordinance Regulating Radio Equipment (Radio Regulatory Commission rules No. 18), (Radio Law Japan)	Z
16		Adaptivity 100 MHz – 6 GHz	IRN 041	Z
17		Dynamic Frequency Selection (DFS) 100 Hz – 6 GHz	IRN 042	Z
18		Radiated electrical disturbance (V/ m) Radiated Emissions, OATS/Semi Anechoic Chamber/Full Anechoic method, 30 MHz – 40 GHz	IRN 026, in accordance with: RSS-GEN, ANSI 63.4-2014, ANSI 63.10-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010	Z
19		Radiated magnetic disturbance Radiated Emissions, OATS/Semi Anechoic Chamber method, 9 kHz – 30 MHz	IRN 027	Z

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No.	Material or product	Type of activity[1]	Internal reference number	Location
20		Conducted disturbance (V) Conducted Emissions Voltage method (LISN) 9 kHz – 30 MHz	IRN 029, in accordance with: RSS-GEN, ANSI 63.4-2014, ANSI 63.10-2013, ANSI 63.26-2015, ANSI/TIA-603-D June 2010	Z
Test modules: Basic immunity tests (EMC)				
21	Electrical and Electronic Equipment (Including: : (Fire)Alarm Systems, Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers)	Conducted RF Immunity electromagnetic 10 kHz to 150 MHz, 3 Vrms and 10 Vrms, coupling via coupling networks or direct current injection.	IRN 034 in accordance with; EN 61000-4-6	Z
22		Radiated immunity electric field, 30 MHz – 6 GHz, 3 V/m and 10 V/m	IRN 035 in accordance with; EN 61000-4-3	Z
23		Electro Static Discharge immunity (ESD): 0 – 15 kV (positive and negative polarity) Air discharge: 0 – 15 kV (positive and negative polarity)	IRN 036 in accordance with; EN 61000-4-2	Z
24		Surge immunity, 1 phase max 16 A, 0.2 – 4 kV (positive and negative polarity), 10/700 µs, 1.2/50 (8/20) µs, common/differential mode	IRN 037 in accordance with: EN 61000-4-5	Z
25		Electrical Fast Transient/burst (EFT) immunity, 1 phase max 16 A, 0.25 – 4 kV (positive and negative polarity), 5 ns rise time, 10 ns duration, 15 ms burst duration	IRN 038 in accordance with; EN 61000-4-4	Z
26		Voltage dips, short interruptions and voltage variation immunity, 1 phase	IRN 039 in accordance with; EN 61000-4-11	Z
27		Power Frequency Magnetic Field Immunity 50-60 Hz, 1-30 A/m	IRN 040 in accordance with; EN 61000-4-8	Z

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No.	Material or product	Type of activity[1]	Internal reference number	Location
Item a-d as given below shows the relation between the tests activities 1-27 As mentioned above and the standards, directive and/or approval requirements in which the test activity is included				
a	Fire/Security Components & Systems (Including Intrusion Systems, Access Control Systems and Social (Fire)Alarm Systems)	Fire/Security tests: Limited to the basic tests listed under numbers 1, 2 and 22-27	Applicable product/basic standards : 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 T014, T014A, T031 EN 54-1, EN 54-2, EN 54-3, EN 54-4, EN 54-11, EN 54-13, EN 54-16, EN 54-17, EN 54-18, EN 54-21, EN 54-23, EN 54-24,	Z

No.	Material or product	Type of activity[1]	Internal reference number	Location
			EN 54-25, AS 4428-16, EN 12094, EN 14604	
		Maritime tests		
b	Maritime Communication and Navigation Equipment	Maritime tests: Limited to the basic tests listed under numbers 2-27	Applicable product/basic standards: EN 60945, RSS-138, RSS-181, RSS-182, RSS-287, RSS-288	Z
		Radio Tests		
c	Radio transmitters and receivers	Radio tests: Limited to the basic tests listed under numbers 3-20	Applicable product/basic standards: 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, FCC Part 2, FCC Part 11, FCC Part 15 + FCC KDB Publication 905462 D02, FCC Part 18 + MP-5 (February 1986), FCC Part 22 + ANSI/TIA-603D + TIA-102.CAAA-D + ANSI 63.26:2015 FCC Part 24, FCC Part 25, FCC Part 26, FCC Part 27, FCC Part 74, FCC Part 80, FCC Part 87, FCC Part 90, FCC Part 95, FCC Part 97, FCC Part 101, ANSI C63.4-2014, ANSI C63.10-2013, ANSI C63.17-2013 BETS-1, BETS-3, BETS-4, BETS-5, BETS-6, BETS-7, BETS-8, BETS-9, BETS-11,	Z

No.	Material or product	Type of activity[1]	Internal reference number	Location
			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) LP0002, RSS-Gen, RSS-102 (RF Exposure Evaluation), 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	
		EMC tests		
d	Electrical and Electronic Equipment (Including: Alarm/Fire Systems, , Maritime Communication and Navigation Equipment and Radio Transmitters and Receivers)	EMC tests: Limited to the basic tests listed under numbers 2 and 18-27	Applicable product/basic standards: EN 301 489, 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 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, FCC part 15	Z