

AKKREDITOITU TESTAUSLABORATORIO*ACCREDITED TESTING LABORATORY***ETTEPLAN FINLAND OY, TESTILABORATORIO***ETTEPLAN FINLAND OY, TEST LABORATORY*

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Testausalat <i>Fields of testing</i>
EMC/RF testaus <i>EMC/RF testing</i>
Materiaali- ja tuotetestaus <i>Material and product testing</i>
Sähkölaitteet ja tarvikkeet <i>Electrical equipment and accessories</i>

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
EMC/RF testaus, EMC, Jyväskylä <i>EMC/RF testing, EMC, Jyväskylä</i>		
Mittaus- ja testauslaitteet ja -järjestelmät Lääkinnälliset laitteet Sähköiset ja elektroniset laitteet Radiolaitteet <i>Measurement and control devices and systems</i> <i>Medical devices and equipment</i> <i>Electrical and electronic equipment</i> <i>Radio communication devices</i>		
Menetelmästandardit <i>Method standards</i>		
	<i>General devices:</i> <i>Conducted electrostatic discharge immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-2</i>
	<i>General devices:</i> <i>Radiated electromagnetic field immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-3</i>
	<i>General devices:</i> <i>Electrical fast transient/burst immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-4</i>
	<i>General devices:</i> <i>Surge immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-5</i>
	<i>General devices:</i> <i>Immunity to conducted disturbances, induced by radio-frequency fields</i>	<i>FLX*</i> <i>IEC/EN 61000-4-6</i>
	<i>General devices:</i> <i>Power frequency magnetic field immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-8</i>
	<i>General devices:</i> <i>Pulse magnetic field immunity</i>	<i>FLX*</i> <i>IEC/EN 61000-4-9</i>

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	<i>General devices: Voltage dips, short interruptions and voltage variations immunity</i>	<i>FLX* IEC/EN 61000-4-11</i>
	<i>General devices: Voltage dips, short interruptions and voltage variations on d.c. input power port immunity</i>	<i>FLX* IEC/EN 61000-4-29</i>
	<i>General devices: Voltage dips, short interruptions and voltage variations immunity for >16 A equipment</i>	<i>FLX* IEC/EN 61000-4-34</i>
	<i>General devices: Radio disturbance and immunity measuring apparatus and methods</i>	<i>FLX* CISPR 16-2-1, EN 55016-2-1</i>
	<i>General devices: Radiated disturbance measurements</i>	<i>FLX* CISPR 16-2-3, EN 55016-2-3</i>
	<i>220–240 VAC/50 Hz powered equipment: Limits for harmonic current emissions</i>	<i>FLX* IEC / EN 61000-3-2</i>
	<i>220–240 VAC/50 Hz powered equipment: Voltage changes, voltage fluctuations and flicker</i>	<i>FLX* IEC / EN 61000-3-3</i>
Yleis- / tuotestandardi <i>Generic / product standard</i>		
	<i>General devices: Immunity for residential, commercial and light-industrial environments</i>	<i>FLX* IEC/EN 61000-6-1</i>
	<i>General devices: Immunity for industrial environments</i>	<i>FLX* IEC/EN 61000-6-2</i>

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	<i>General devices: Immunity for industrial environments</i>	<i>FLX* IEC/EN 61000-6-2 Witness-testaus yhteistyökumppanin tiloissa Witness testing at customer premises</i>
	<i>Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations: Immunity requirements</i>	<i>FLX* IEC/EN 61000-6-7 Excluding Conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz</i>
	<i>Mobile and portable radio and ancillary equipment, GSM 900 MHz and DCS 1800 MHz: EMC</i>	<i>FLX* EN 300 342-1</i>
	<i>Telecommunication network equipment: EMC and radio spectrum matters (ERM)</i>	<i>FLX* EN 300 386</i>
<i>Radio equipment and services Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU</i>	<i>Radio equipment and services: Common technical requirements</i>	<i>FLX* EN 301 489-1</i>
	<i>Short-Range Devices (SRD) operating between 9 kHz and 246 GHz: Specific conditions</i>	<i>FLX* EN 301 489-3</i>
	<i>Terrestrial Trunked Radio (TETRA): EMC and radio spectrum matters (ERM)</i>	<i>FLX* EN 301 489-5</i>
	<i>Wireless microphones, similar radio frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices: Specific conditions</i>	<i>FLX* EN 301 489-9</i>

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	<i>Broadband Data Transmission Systems: Specific conditions</i>	<i>FLX* EN 301 489-17</i>
	<i>Receive Only Mobile Earth Stations (ROMES) in the 1.5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data: Specific conditions</i>	<i>FLX* EN 301 489-19</i>
	<i>Ultra-WideBand (UWB) devices: Specific conditions</i>	<i>FLX* EN 301 489-33</i>
	<i>Cellular Communication Mobile and portable (UE) radio and ancillary equipment: Specific conditions</i>	<i>FLX* EN 301 489-52</i>
	<i>Cable networks for television signals, sound signals and interactive services: EMC</i>	<i>FLX* EN 50083-2</i>
	<i>Medical electrical equipment: Electromagnetic disturbances</i>	<i>FLX* IEC/EN 60601-1-2</i>
	<i>Arc welding equipment: EMC requirements</i>	<i>FLX* IEC/EN 60974-10</i>

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	<i>Electrical equipment for measurement, control and laboratory use: EMC requirements</i>	<i>FLX*</i> <i>IEC/EN 61326-1</i> <i>IEC/EN 61326-2-1</i> <i>IEC/EN 61326-2-2</i> <i>IEC/EN 61326-2-3</i> <i>IEC/EN 61326-2-4</i> <i>IEC/EN 61326-2-5</i> <i>IEC/EN 61326-2-6</i>
	<i>Low-voltage switchgear</i>	<i>FLX*</i> <i>EN 61439-1</i> <i>EN 61439-7</i>
	<i>Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships</i>	<i>FLX*</i> <i>IACS UR E10</i>
	<i>System components of alarm systems, intended for use in and around buildings: Immunity requirements</i>	<i>FLX*</i> <i>IEC 62599-2</i>
	<i>Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) equipment: EMC requirements</i>	<i>FLX*</i> <i>IEC/EN 63044-5-1,</i> <i>Excluding low frequency emission</i> <i>IEC/EN 63044-5-2</i>
	<i>Relays and protection equipment: EMC requirements</i>	<i>FLX*</i> <i>IEC/EN 60255-26,</i> <i>Excluding clauses 7.2.6, 7.2.9,</i> <i>7.2.12 & 7.2.13</i>
	<i>Classification rules for maritime: EMC requirements</i>	<i>FLX*</i> <i>DNVGL-CG-0339</i>
	<i>Maritime equipment</i>	<i>FLX*</i> <i>DNV certification 2.4</i>

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	<i>General devices: Emission standard for residential, commercial and light-industrial environments</i>	<i>FLX* IEC/EN 61000-6-3</i>
	<i>General devices: Emission standard for industrial environments</i>	<i>FLX* IEC/EN 61000-6-4</i>
	<i>Industrial, scientific and medical equipment: Radio-frequency disturbance characteristics</i>	<i>FLX* CISPR 11, EN 55011</i>
	<i>Household appliances, Emission</i>	<i>FLX* CISPR 14-1, EN 55014-1</i>
	<i>Household appliances, Immunity</i>	<i>FLX* CISPR 14-2, EN 55014-2</i>
	<i>Information technology equipment: Radio disturbance characteristics</i>	<i>FLX* CISPR 22, EN 55022</i>
	<i>Multimedia equipment: Emission requirements</i>	<i>FLX* CISPR 32, EN55032</i>
	<i>Multimedia equipment: Immunity requirements</i>	<i>FLX* CISPR 35, EN 55035</i>
	<i>Lifts, escalators and moving walks: Emission</i>	<i>FLX* EN 12015</i>
	<i>Lifts, escalators and moving walks: Immunity</i>	<i>FLX* EN 12016</i>
	<i>Railway applications: EMC</i>	<i>FLX* IEC/EN 50121-3-2</i>

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	<i>Railway applications: Emission and immunity of the signaling and telecommunications apparatus</i>	<i>FLX* EN 50121-4</i>
	<i>Alarm systems: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems</i>	<i>FLX* EN 50130-4</i>
	<i>Information technology equipment: Immunity characteristics</i>	<i>FLX* EN 55024</i>
	<i>Adjustable speed electrical power drive systems: EMC requirements</i>	<i>FLX* IEC / EN 61800-3</i>
	<i>Adjustable speed electrical power drive systems: EMC requirements</i>	<i>FLX* IEC / EN 61800-3 Witness-testaus yhteistyökumppanin tiloissa Witness testing at customer premises</i>
	<i>Electrical lighting and similar equipment: Emission requirements</i>	<i>FLX* CISPR 15 / EN 55015</i>
	<i>Electrical lighting and similar equipment: Immunity requirements</i>	<i>FLX* IEC / EN 61547</i>
	<i>Electric vehicle conductive charging systems: EMC requirements</i>	<i>FLX* IEC / EN 61851-21-2</i>
	<i>Electrical and electronic installations in ships: EMC requirements</i>	<i>FLX* IEC / EN 60533</i>

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	<i>Lighting and beaconing of aerodromes. Electric installations: Requirements for power supplies</i>	<i>FLX* IEC / EN 61820-3-2</i>
	<i>Marine radio equipment and services: Common technical requirements</i>	<i>FLX* EN 301 843-1</i>
	<i>Automatic electrical controls: Common technical requirements</i>	<i>FLX* IEC / EN 60730-1, excluding IEC / EN 61000-4-13, voltage unbalance test (H26.6)</i>
	<i>Automatic electrical controls: Particular requirements for temperature sensing control</i>	<i>FLX* IEC / EN 60730-2-9</i>
	<i>Power station equipment: Immunity General requirements</i>	<i>FLX* IEC / EN 61000-6-5 IEC / EN 61850-3 Excluding power frequency magnetic field immunity test level 1s /1kA, IEC / EN 61000-4-16, IEC / EN 61000-4-17, IEC / EN 61000-4-18</i>
	<i>Maritime navigation and radiocommunication equipment & systems: General requirements</i>	<i>FLX* IEC / EN 60945</i>
<i>Adjustable speed electrical power drive systems</i>	<i>Functional safety</i>	<i>FLX* EN / IEC 61800-5-2</i>
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion.		
*FLX: Flexible part of the scope. Detailed scope is available from the laboratory		
EMC/RF testaus, RF, Jyväskylä <i>EMC/RF testing, RF, Jyväskylä</i>		

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Kädessä pidettävät, liikuteltavat ja siirrettävät radio- ja multimedialaitteistot oheislaitteineen <i>Handheld, mobile and portable radio communication and multimedia devices with accessories</i> <i>Harmonised Standards covering the essential requirements of article 3.2 of Directive 2014/53/EU</i>	<i>GSM Terminals: GSM850, GSM900, GSM1800 and GSM1900:</i> <i>Conformance including GSM frequency bands</i>	<i>FLX*</i> <i>EN 301 511</i> <i>Limited to radiated spurious emissions</i> <i>3GPP TS 51.010-1</i> <i>Subclauses 12.1 and 12.2</i>
	<i>5 GHz RLAN:</i> <i>Essential requirements</i>	<i>FLX*</i> <i>EN 301 893</i> <i>Limited to radiated spurious emissions</i>
	<i>IMT cellular networks:</i> <i>Introduction and common requirements</i>	<i>FLX*</i> <i>EN 301 908-1</i> <i>Limited to radiated spurious emissions</i>
	<i>Network Based Short Range Devices (SRD);</i> <i>Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW:</i> <i>Essential requirements</i>	<i>FLX*</i> <i>EN 303 204</i>
	<i>Satellite Earth Stations and Systems (SES);</i> <i>Global Navigation Satellite System (GNSS) receivers;</i> <i>Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands:</i> <i>Essential requirements</i>	<i>FLX*</i> <i>EN 303 413</i>

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	<i>Wireless power transmission systems, using technologies other than radio frequency beam in the 19 – 21 kHz, 59 – 61 kHz, 79 – 90 kHz, 100 – 300 kHz, 6 765 – 6 795 kHz ranges:</i> <i>Essential requirements</i>	<i>FLX*</i> <i>EN 303 417</i>
	<i>Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz:</i> <i>Technical characteristics, essential requirements</i>	<i>FLX*</i> <i>EN 300 220</i> <i>Limitations: Test frequency limited to 40 GHz.</i>
	<i>Wideband transmission systems; data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques:</i> <i>Essential requirements</i>	<i>FLX*</i> <i>EN 300 328</i>
	<i>Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range;</i> <i>EMC and radio spectrum matters (ERM): Essential requirements</i>	<i>FLX*</i> <i>EN 300 330</i>
	<i>Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range;</i> <i>EMC and radio spectrum matters (ERM): Essential requirements</i>	<i>FLX*</i> <i>EN 300 440</i> <i>Limitations: Test frequency limited to 40 GHz</i>
	<i>RFID equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W:</i> <i>Access to radio spectrum</i>	<i>FLX*</i> <i>EN 302 208</i> <i>Limited to radiated spurious emissions</i>

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	<i>TETRA equipment: Standard for access to radio spectrum</i>	<i>FLX* EN 303 758</i>
	<i>6 GHz WAS / RLAN: Standard for access to radio spectrum</i>	<i>FLX* EN 303 687</i>
	<i>Electronic and electrical equipment: Assessment for human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)</i>	<i>FLX* EN 62311</i>
	<i>Wireless Access Systems (WAS). 5.8 GHz transmitting systems: Essential requirements of article 3.2 of Directive 2014/53/EU</i>	<i>FLX* EN 302 502</i>
<p><i>*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion.</i></p> <p><i>*FLX: Flexible part of the scope. Detailed scope is available from the laboratory</i></p>		

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EMC/RF testaus, FCC testaus, Jyväskylä EMC/RF testing, FCC testing, Jyväskylä		
Sähköiset ja elektroniset laitteet (Unintentional radiators) <i>Electrical and electronic equipment (Unintentional radiators)</i>	<i>CFR 47 Subpart 15 B</i>	<i>ANSI C63.4 – 2014 + Amendment 1 – 2017</i>
Teolliset, tieteelliset ja lääketieteelliset laitteet <i>Industrial, Scientific, and Medical Equipment</i>	<i>CFR 47 Subpart 18</i>	<i>FCC MP-5 (February 1986)</i>
Radioaaltoja tuottavat laitteet, Unlicensed Wireless Devices <i>Intentional radiators, Unlicensed Wireless Devices</i>	<i>CFR 47 Subpart 15 C</i>	<i>ANSI C63.10 – 2020 + Corrigendum 1 – 2023 + Amendment 1 – 2024 KDB 558074</i>
EMC/RF testaus, ISED testaus, Jyväskylä EMC/RF testing, ISED testing, Jyväskylä		
Sähköiset ja elektroniset laitteet <i>Electrical and electronic equipment</i>	<i>ICES-003, Issue 7</i>	<i>ANSI C63.4 – 2014 + Amendment 1 - 2017</i>
Teolliset, tieteelliset ja lääketieteelliset laitteet <i>Industrial, Scientific, and Medical Equipment</i>	<i>ICES-001, Issue 5</i>	<i>CSA CISPR 11:19 (IEC CISPR 11:2015+A1:2016, MOD)</i>
Radiolaitteet <i>Radio equipment</i>	<i>RSS-Gen, Issue 5, Amendment 1</i> Radiolaitteiden yleiset hyväksyntävaatimukset <i>General Requirements for Compliance of Radio Apparatus</i>	

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Radiolaitteet <i>Radio equipment</i>	RSS-247, Issue 3 Laajakaistaiset radiolaitteet (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices (with and without DFS) Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices (with and without DFS)	ANSI C63.10 – 2020 + Corrigendum 1 – 2023 + Amendment 1 – 2024
Materiaali- ja tuotetestaus, Ympäristöolosuhdetestaus, Jyväskylä Material and product testing, Environmental testing, Jyväskylä		
Laitteet, komponentit <i>Devices, components</i>	Tärinätestaus <i>Vibration</i>	FLX* IEC/EN 60068-2-6 IEC/EN 60068-2-27 IEC/EN 60068-2-29 IEC/EN 60068-2-31 IEC/EN 60068-2-32 IEC/EN 60068-2-55 IEC/EN 60068-2-64 IEC/EN 60068-2-80 IEC/EN 60255-1 IEC/EN 60255-21-1 IEC/EN 60255-21-2 IEC/EN 60255-21-3 MIL-STD-810; Method 514 MIL-STD-810; Method 516 IEC 61373 ISO 16750-3 IEC/EN 50155 IEC/EN 50125-3 DNVGL-CG-0339 DNV STANDARD FOR CERTIFICATION No. 2.4 IACS UR E10 IEC/EN 50130-5 EN 54-21 EN 81-50 IEC/EN 60601-1-11 IEC / EN 61800-5-1 / 5.2.6.4 IEC / EN 60945 / 8.7

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	IK-testit <i>IK-tests</i>	<i>FLX*</i> <i>IEC/EN 60068-2-75</i> <i>IEC/EN 62262</i>
	Tiiveystestit <i>Leak and Ingress tests</i>	<i>FLX*</i> <i>IEC/EN 60529, testaus myös laboratorion ulkopuolisessa tilassa, testing is also performed outside the laboratory premises</i> <i>ISO 20653, excluding IPX4K and IPX6K, testaus myös laboratorion ulkopuolisessa tilassa, testing is also performed outside the laboratory premises</i>

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	Olosuhdetestaus <i>Environmental testing</i>	FLX* IEC/EN 60068-2-1 IEC/EN 60068-2-2 IEC/EN 60068-2-14 IEC/EN 60068-2-30 IEC/EN 60068-2-38 IEC/EN 60068-2-67, testaus myös asiakkaan tiloissa, testing also at client's premises IEC/EN 60068-2-78 ISO 16750-4 IEC/EN 50155 IEC/EN 50125-3 DNVGL-CG-0339, Excluding tests 5.2 (table 4), 10, 11 (inclination, dynamic), 15 & 16. DNV STANDARD FOR CERTIFICATION No. 2.4, Excluding tests 3.5 (pneumatic/hydraulic power supply), 3.10, 3.11 (inclination, dynamic), 3.15 and 3.16. IEC/EN 50130-5 IACS UR E10, Excluding tests 4b, 8 (Inclination, dynamic), 12, 15 & 21 EN 14846, 6.7.2 and 6.7.3. EN 54-21 EN 81-50 IEC/EN 60601-1 IEC/EN 60601-1-11 IEC/EN 60255-1 IEC/EN 61820-3-2 IEC/EN 61850-3 (6.9.3, 6.10 and 6.11) IEC / EN 60945 excluding 8.10 (8.12 in Tampere)

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Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
<i>Adjustable speed electrical power drive systems</i>	Olosuhdetestaus <i>Environmental testing</i> Tärinätestaus <i>Vibration</i>	<i>FLX*</i> <i>IEC / EN 61800-5-1:</i> <i>5.2.6.3.2 Dry heat test</i> <i>5.2.6.3.3 Cold test</i> <i>5.2.6.3.4 Damp heat (steady state)</i> <i>5.2.6.3.5 Damp heat (cyclic)</i> <i>5.2.6.6 Dust test (IEC 60529)</i> <i>5.2.6.4 Vibration test</i>
<i>Power electronic converter systems and equipment</i>	Olosuhdetestaus <i>Environmental testing</i> Tärinätestaus <i>Vibration</i>	<i>FLX*</i> <i>IEC/EN 62477-1:</i> <i>5.2.6.3.1 Dry heat test (steady state)</i> <i>5.2.6.3.2 Damp heat test (steady state)</i> <i>5.2.6.4 Vibration test (type test)</i>
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratoriosta. *FLX: Flexible part of the scope. Detailed scope is available from the laboratory		

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
Materiaali- ja tuotetestaus, Ympäristöolosuhdetestaus, Tampere <i>Material and product testing, Environmental testing, Tampere</i>		
	Olosuhdetestaus <i>Environmental testing</i>	<p>FLX*</p> <p>IEC/EN 60068-2-1 IEC/EN 60068-2-2 IEC/EN 60068-2-14 IEC/EN 60068-2-30 IEC/EN 60068-2-38 IEC/EN 60068-2-67, testaus myös asiakkaan tiloissa, testing also at client's premises IEC/EN 60068-2-78 ISO 16750-4 IEC/EN 50155 IEC/EN 50125-3 DNVGL-CG-0339, Excluding tests 5.2 (table 2, table 4), 6, , 11 (inclination, dynamic), 14, 15 & 16. DNV STANDARD FOR CERTIFICATION No. 2.4, Excluding tests 3.5 (electrical supply, alternating voltage and pneumatic/hydraulic power supply), 3.6, , 3.11 (inclination, dynamic), 3.14, 3.15 and 3.16. IACS UR E10, excluding tests 4a ac supply (including dc supply), 4b, 8 (Inclination, dynamic), , 15 & 21, EN 14846, 6.7.2 and 6.7.3. EN 54-21 EN 81-50 IEC/EN 60601-1 IEC/EN 60601-1-11, excluding 8.3 IEC/EN 60255-1 IEC/EN 60068-2-11 IEC/EN 60068-2-52 (excluding method 8) ISO 9227 (NSS) ISO 16750-1 ISO 16750-5 IEC/EN 61850-3 (6.9.3)</p>

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
	IK-testit <i>IK-tests</i>	FLX* IEC/EN 60068-2-75 IEC/EN 62262
	Tiiveystestit <i>Leak and Ingress tests</i>	FLX* IEC/EN 60529, excluding IP5X, IP6X, IPX1–IPX6
<i>Adjustable speed electrical power drive systems</i>	Olosuhdetestaus <i>Environmental testing</i>	FLX* IEC / EN 61800-5-1: 5.2.6.3.2 Dry heat test 5.2.6.3.3 Cold test 5.2.6.3.4 Damp heat (steady state) 5.2.6.3.5 Damp heat (cyclic) 5.2.6.5 Test Kb of IEC 60068-2 52:2017, salt mist
<i>Power electronic converter systems and equipment</i>	Olosuhdetestaus <i>Environmental testing</i>	FLX* IEC/EN 62477-1: 5.2.6.5 Salt mist test (type test)
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion.		
*FLX: Flexible part of the scope. Detailed scope is available from the laboratory		
Sähkölaitteet ja tarvikkeet, Audio- ja videolaitteet sekä tieto- ja tietoliikennetekniikan laitteet, Jyväskylä <i>Electrical equipment and accessories, Audio/video, information and communication technology equipment, Jyväskylä</i>		
Audio-, video-, tieto- ja viestintätekniikkalaitteet sekä yritys- ja toimistolaitteet, joiden nimellisjännite on enintään 600 V. Audio-/video-, tieto- ja viestintätekniikkalaitteet, komponentit ja osat, jotka on tarkoitettu sisällytettäväksi em. laitteisiin. Ulkoiset virtalähteet, jotka on tarkoitettu syöttämään muita laitteita, jotka kuuluvat IEC/EN 62368-1 piiriin. Lisälaitteet, jotka on tarkoitettu käytettäväksi laitteiden kanssa, jotka kuuluvat IEC/EN 62368-1 piiriin.	Turvallisuustestaus <i>Safety testing</i>	FLX* IEC/EN 62368-1 UL 62368-1 CSA C22.2 No. 62368-1 AUS/NZL 62368-1 Excluding (Ed 2): Chapter 5.4.4.6.5, 8.5.5, 8.5.5.1-8.5.5.3, 10.5.3, 10.6.3 audio measurements excluded, 10.6.5 personal music players excluded, 10.6.5.1- 10.6.5.4 personal music players excluded, Annex D.3 high pressure lamps excluded, Annex E high pressure lamps excluded, Annex H, Annex M.7, Annex

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
<i>Audio, video, information and communication technology equipment, and business and office machines with a rated voltage not exceeding 600 V. Audio/video, information and communication technology equipment, components and subassemblies intended for incorporation in this equipment. External power supply units intended to supply other equipment within the scope of IEC/EN 62368-1. Accessories intended to be used with equipment within the scope of IEC/EN 62368-1.</i>		<i>M.8, Annex P.5.1, Annex S, Annex U, Annex C Excluding (Ed 3): Chapter 8.5.5, 8.5.5.1- 8.5.5.3, 9.6, 9.6.1- 9.6.3, 10.5.3, 10.6.3, 10.6.3.1- 10.6.3.3, 10.6.4 audio measurements excluded, 10.6.6 personal music players excluded, 10.6.6.1- 10.6.6.4 personal music players excluded Annex D.3 high pressure lamps excluded, Annex E high pressure lamps excluded, Annex H, Annex M.7, Annex M.8, Annex P.4.2, Annex S, Annex U, Annex Y.3.2, Annex Y.3.3, Annex Y.3.4, Annex Y.4.5, Annex Y.5.3, Annex C</i>
<i>Audio- ja videolaitteet sekä tieto- ja tietoliikennetekniikan laitteet Audio/video, information and communication technology equipment</i>		<i>FLX* IEC/EN 62368-3</i>
<i>Tieto- ja viestintäteknologiaverkkoihin kytkettävät laitteet Equipment to be connected to information and communication technology networks</i>		<i>FLX* IEC/EN 62949</i>
<i>Information technology equipment - Equipment to be installed outdoors</i>		<i>FLX* IEC/EN 60950-22</i>
<i>Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships</i>		<i>FLX* IACS UR E10 Tests 9 & 10</i>
<i>Classification rules for Maritime</i>		<i>FLX* DNVGL-CG-0339 Tests 12 & 13</i>
<i>Classification rules for Maritime</i>		<i>FLX* DNV STANDARD FOR CERTIFICATION No. 2.4 Tests 3.12 & 3.13</i>

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
<i>Basic safety and essential performance of medical electrical equipment and medical electrical systems.</i>		<i>FLX*</i> <i>IEC/EN 60601-1</i> <i>Clause 16.6</i>
<i>Insulation coordination for equipment within low-voltage supply systems</i>		<i>FLX*</i> <i>IEC/EN 60664-1</i>
<i>Electrical test and measurement equipment, electrical industrial process control equipment and electrical laboratory equipment</i>		<i>FLX*</i> <i>IEC/EN 61010-1</i> <i>UL 61010-1</i>
<p>*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion kautta.</p> <p>*FLX: Flexible part of the scope. Detailed scope is available from the laboratory</p>		
<p>Sähkölaitteet ja tarvikkeet, Elektroniikka, Jyväskylä Electrical equipment and accessories, Electronic devices, Jyväskylä</p>		
<i>Koneiden sähkölaitteisto</i> <i>Electrical equipment of machines</i>	<i>Turvallisuustestaus</i> <i>Safety testing</i>	<i>FLX*</i> <i>IEC/EN 60204-1</i>
<i>Mittausreleet ja suojalaitteet</i> <i>Measuring relays and protection equipment</i>		<i>FLX*</i> <i>IEC/EN 60255-1,</i> <i>Clauses: 6.12.2.2, 6.12.2.3,</i> <i>6.12.2.4, 6.12.2.5, 6.12.3.1-</i> <i>6.12.3.7, 6.13.1, 6.13.2, 6.13.3</i> <i>IEC/EN 60255-27</i>
<i>Laboratorio- ja mittauslaitteet</i> <i>Laboratory and measuring equipment</i>		<i>FLX*</i> <i>IEC/EN 61010-1,</i> <i>excluding 11.7.2, 12, 13.2.3,</i> <i>Annex G, Annex H</i>
<i>Sähkönmittauslaitteet,</i> <i>Electricity metering equipment</i> <i>(AC)</i>		<i>FLX*</i> <i>IEC/EN 62052-31,</i> <i>excluding 6.10.5-6.10.7, 9.3.2.1,</i> <i>9.3.2.2, 10.5.2., 13.1, 13.3,</i> <i>Annex E, testing also at the</i> <i>customer's premises</i>
<i>Kotien ja rakennusten</i> <i>elektroniikkajärjestelmät ja</i> <i>kiinteistöautomaatio- ja</i> <i>ohjausjärjestelmä</i> <i>Home and Building Electronic</i> <i>Systems (HBES) and Building</i>		<i>FLX*</i> <i>IEC/EN 63044-3</i>

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
<i>Automation and Control Systems (BACS) equipment</i>		
<i>Adjustable speed electrical power drive systems</i>		<i>FLX*</i> IEC/EN 61800-5-1, <i>excluding clauses:</i> 5.2.2.3.2 atomized water test 5.2.2.9 acoustic pressure and sound level test 5.2.3.2 impulse voltage withstand voltage test with test voltages over 10 kV 5.2.3.3 alternative to impulse withstand voltage test 5.2.3.4 AC voltage test for circuits connected to mains supply over 1000 V or non-mains supply over 1600 V DC voltage test for circuits connected to mains supply over 1000 V or non-mains supply over 1600 V 5.2.3.13, 5.2.3.16, 5.2.5 material testing 5.2.4 abnormal operation and simulated fault tests 5.2.7 hydrostatic pressure test 5.2.8 electromagnetic fields test (EMF)
<i>Adjustable speed electrical power drive systems</i>		<i>FLX*</i> IEC/EN 61800-5-1, <i>excluding clause 5.2.5 material testing</i> Witness-testaus yhteistyökumppanin tiloissa <i>Witness testing at the customer's premises</i>
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratoriosta. *FLX: Flexible part of the scope. Detailed scope is available from the laboratory		

PÄTEVYYSALUE SCOPE OF ACCREDITATION		
Testattava materiaali / tuote <i>Material / product tested</i>	Testattava komponentti / parametri / ominaisuus <i>Component / parameter / characteristic tested</i>	Testausmenetelmä / standardi / tekniikka <i>Test method / standard specification / techniques</i>
Sähkölaitteet ja tarvikkeet, Lääkinnälliset laitteet, Jyväskylä <i>Electrical equipment and accessories, Medical devices, Jyväskylä</i>		
In vitro -diagnostiikka (IVD) lääketieteellisiin tarkoituksiin tarkoitetut laitteet <i>Equipment intended for in vitro diagnostic (IVD) medical purposes</i>	Turvallisuustestaus <i>Safety testing</i>	FLX* IEC/EN 61010-2-101
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion.		
*FLX: Flexible part of the scope. Detailed scope is available from the laboratory		
Sähkölaitteet ja tarvikkeet, Sähköajoneuvojen latausjärjestelmät, Jyväskylä <i>Electrical equipment and accessories, Electrical Vehicle Charging Systems (ELVH), Jyväskylä</i>		
Sähköautojen latausjärjestelmät <i>Electric vehicle conductive charging system</i>	Turvallisuustestaus <i>Safety testing</i>	FLX* IEC/EN 61851-1, excluding 12.2.6, A.4.7.2 (partly*), A.4.7.3 (partly*) *) Tests of A.4.7.2 & A.4.7.3 can be performed using resistor values $R_{3test} = 2.74 \text{ kohm}$, $R_{2test}(Cx) = 882 \text{ ohm}$ & $R_{2test}(Dx) = 246 \text{ ohm}$ only.
*FLX: Menetelmän osa, johon mukautuvuus kohdentuu. Tarkka lista mukautuvan pätevyysalueen menetelmistä on saatavilla laboratorion.		
*FLX: Flexible part of the scope. Detailed scope is available from the laboratory		