Hellenic Accreditation System

Annex F1/23 to the Certificate No. **490**-8

SCOPE of ACCREDITATION

of the

High Voltage Service Providing Laboratory Unit (SPLU)

of the

School of Electrical and Computer Engineering

of the

National Technical University of Athens

for the performance of tests

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Electrical tests		
Resilient floor coverings and installed floors	Measurement for resistance to earth, surface and vertical resistance	ELOT EN 1081 E2:2019 + A1:2020 ELOT EN 1081:1998* Guide 1/2004 Hellenic Ministry of Health and Welfare ELOT EN 61340.04.01:2004 +A1:2015 Test can be also performed on-site.
Soil	Soil resistivity measurement	IEEE Std. 81:2012 §7.2.3 Test is performed on-site.
Grounding systems	Step and touch voltages measurement	IEEE Std. 81:2012 §9 HD 637 S1:2000, Annex G Test is performed on-site.
Grounding systems	Grounding resistance measurement	IEEE Std. 81:2012 §8.2.2.4 ANSI IEEE Std. 80:2013 §19.1.1 ELOT EN 50522 E2:2022 +A1:2024 Annex L2 HD 637 S1:2000, Annex N Test is performed on-site.
Power cables up to 500kV	Lightning impulse voltage tests	IEC 60502-2:2014 + AMD1:2024 §18.2.8, 18.3.5 IEC 60840:2020 + AMD1:2023 §12.4.7 IEC 62067:2022BS 7870-4.10:2011+A1:2016 §8.2.7 BS 7870-4.20:2011+A1:2016 §8.2.7 BS 7835:2007 §21.7 BS 6622:2007 §20.7

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
		SANS 1339:2020 §4.6.2.4
Instrument Transformers	Impulse voltage tests (20 kV – 750 kV)	ELOT EN 61869-1:2009 §7.2.3 ELOT EN 61869-2:2012 §7.2.3 ELOT EN 61869-3: 2011 §7.2.3
Electric power lines, substations, High Voltage kits	Measurement of electric and magnetic low frequency fields (0 Hz – 400 kHz)	ELOT EN 61786-01:2014 + A1:2024 IEC 61786-2:2014 ELOT EN 61786-01:2014 Common Ministerial Decision 3060 (FOR) 238 (Hellenic Gazette 512/B/25-4-2002) ANSI IEEE Std. 644:2019 §4, §6 Test is performed on-site.
Electronic and electrical apparatus in the railway environment	Measurement of electric and magnetic low frequency fields (0 Hz – 400 kHz)	ELOT EN 50500:2008 + A1:2015 ELOT EN IEC 62311 E2: 2020 Test is performed on-site.
Electronic and electrical equipment in the automotive environment	Measurement of electric and magnetic low frequency fields (0 Hz – 400 kHz)	ELOT EN IEC 62764-1: 2022 Test is performed on-site
Lighting equipment	Assessment of lighting equipment related to human exposure to electromagnetic Field	ELOT EN 62493 E2:2015+A1:2022 §6
Information technology equipment	Safety – Touch current and protective conductor current measurement	ELOT EN 60950-1 E2:2006 §5.1 +A1:2010 + A11:2009 +A12:2011 +A2:2013* EN 62368-1:2014/AC:2015* ELOT EN 62368-1 E3:2024 + A11:2024
	Safety – Test of electric strength	ELOT EN 60950-1 E2:2006 §5.2 +A1:2010 +A11:2009 +A12:2011 +A2:2013* EN 62368-1:2014/AC:2015* ELOT EN 62368-1 E3:2024 + A11:2024
	Safety –Resistance of earthing conductors and their termination measurement	ELOT EN 60950-1 E2:2006 §2.6.3.4 +A1:2010 +A11:2009 +A12:2011+A2:2013* EN 62368-1:2014/AC:2015* ELOT EN 62368-1 E3:2024 + A11:2024
Electromagnetic compatibility tests		
Information technology equipment		ELOT EN 55032 E2:2015 +A11:2020 + A1:2020 ELOT EN 55022 E5:2010 +AC:2011* ELOT EN 55032: 2012 +AC:2013*
Household appliances		ELOT EN IEC 55014-1 E5:2021 ELOT EN 55014-1 E4:2017 +A11:2020*

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Electrical lighting and similar equipment	Measurement of conducted disturbance**	ELOT EN 55015 E6: 2013 +A1:2015* ELOT EN IEC 55015 E7:2019+A11:2020
Industrial,scientific and medical (ISM) radio-frequency equipment		ELOT EN 55011 E5:2016 +A1:2017 +A11:2020+A2:2021
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.03 E2: 2007 +A1:2011* ELOT EN IEC 61000-6-3 E3:2021
Professional equipment in commercial and light-industrial locations		ELOT EN IEC 61000-6-8:2020
Equipment for industrial environments		ELOT EN 61000.06.04 E2: 2007 +A1:2011* ELOT EN IEC 61000.06.04 E3:2019
Automatic electrical controls		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019 + A2 :2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Multimedia equipment		ELOT EN 55032 E2:2015 +A11:2020+ A1:2020ELOT EN 55032: 2012 +AC:2013*
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-1:2009 +A1:2012
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Electrical installations in ships – Automation, control and instrumentation		IEC 60092-504:2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships – Equipment – Luminaires and lighting accessories		IEC 60092-306:2022 IEC 60092-306:2009
Lifts, escalators and moving walks		ELOT EN 12015:2014* ELOT EN 12015 E4:2020
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3:2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Medical electrical equipment	Measurement of conducted disturbance**	ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021+ AC:2023
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012*
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Vehicles, boats and internal combustion engines, after market electronic equipment in vehicles		ELOT EN 55025 E4:2022 ELOT EN 55025 E3:2017
Electric vehicle charging systems		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Information technology equipment		ELOT EN 55032 E2:2015 +A11:2020+ A1:2020 ELOT EN 55022 E5:2010+AC:2011* ELOT EN 55032: 2012 +AC:2013*

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Household appliances	Measurement of radiated disturbance***	ELOT EN IEC 55014-1 E5:2021 ELOT EN 55014-1 E4:2017 +A11:2020*
Electrical lighting and similar equipment		ELOT EN 55015 E6: 2013 +A1:2015* ELOT EN IEC 55015 E7:2019+A11:2020
Industrial, scientific and medical (ISM) radio-frequency equipment		ELOT EN 55011 E5:2016 +A1:2017 +A11:2020 +A2:2021
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.03 E2: 2007 +A1:2011* ELOT EN IEC 61000-6-3 E3:2021
Professional equipment in commercial and light-industrial locations		ELOT EN IEC 61000-6-8:2020
Equipment for industrial environments		ELOT EN 61000.06.04 E2: 2007 +A1:2011* ELOT EN IEC 61000.06.04 E3:2019
Automatic electrical controls		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2 :2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Multimedia equipment		ELOT EN 55032 E2:2015 +A11:2020+ A1:2020 ELOT EN 55032: 2012 +AC:2013*
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-1:2009 +A1:2012
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Electrical installations in ships – Automation, control and instrumentation		IEC 60092-504:2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships – Equipment – Luminaires and lighting accessories		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Lifts, escalators and moving walks	Measurement of radiated disturbance***	ELOT EN 12015:2014* ELOT EN 12015 E4:2020
Switches for household and similar fixed electrical		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 +

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
installations		A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Telecommunication network equipment		ETSI EN 300 386 V1.6.1:2012
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021 + AC:2023
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012*
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Vehicles, boats and internal combustion engines, after market electronic equipment in vehicles		ELOT EN 55025 E4:2022 ELOT EN 55025 E3:2017 ΕΛΟΤ EN 50498:2010 E/ECE/324/Add.9/Rev.6 §6.5, §6.6
Electric vehicle charging systems		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio disturbance and immunity		CISPR 16-1-1:2015 + ISH1:2018

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
measuring apparatus		CISPR 16-1-1: 2019 ELOT EN 55016.01.01 E3:2010 + A1:2010 + A2:2014 ELOT EN IEC 55016-1-1 E4:2019
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Household appliances	Measurement of terminal disturbance voltages	ELOT EN 55014-1 E4:2017 +A11:2020* ELOT EN IEC 55014-1 E5:2021
	Measurement of disturbance power	ELOT EN 55014-1 E4:2017 +A11:2020* ELOT EN IEC 55014-1 E5:2021 CISPR 16-1-3:2004 +AMD1:2016 + AMD2:2020 CSV ELOT EN 55016.01.03 E2:2006 +A1:2016+A2:2020
Vehicles, boats and internal combustion engines, after market electronic equipment in vehicles	Voltage transient emissions test	ISO 7637-2 E3:2011 ELOT EN 50498:2010 E/ECE/324/Add.9/Rev.6 §6.7
Information technology equipment	Measurement of harmonic current emissions	ELOT EN 61000-3-2 E5:2019 +A1:2021 + A2:2024 ELOT EN 61000-3-2 E4:2014*
Household appliances		
Electrical lighting and similar equipment		
Information technology equipment	Measurement of voltage fluctuations and flicker	ELOT EN 61000-3-3 E3:2013 +A1:2019 + A2:2021
Household appliances		
Electrical lighting and similar equipment		
Information technology equipment		ELOT EN 55024 E2: 2010* + A1:2015 ELOT EN 55035:2017* + A11:2020

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Household appliances	Electrostatic discharge immunity test ELOT EN 61000-4-2 E2:2009 ELOT EN 61000-4-2 E3:2025	ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2:2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000-6-2 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Alarm systems		EN 50130-4 E2:2011 +A1:2014
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Sound and television broadcast receivers and associated equipment		ELOT EN 55035: 2017* +A11:2020
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035:2017* +A11:2020
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Electrical installations in ships – Automation, control and		ELOT IEC 60092-504: 2021 IEC 60092-504:2016

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
instrumentation	Electrostatic discharge immunity test ELOT EN 61000-4-2 E2:2009 ELOT EN 61000-4-2 E3:2025	IACS UR E10 Rev9
Electrical installations in ships - Equipment - Luminaires and lighting accessories		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Lifts, escalators and moving walks		ELOT EN 12016 E3:2014
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021 + AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015 +AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012* ELOT EN 61800-5-2 E2:2017
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4: 2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle conductive charging system		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
	ELOT EN 61000-4-2 E3:2025	ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Information technology equipment	Radiated, radiofrequency electromagnetic field immunity test ELOT EN 61000-4-3 E3:2006 +A1:2008+IS1:2009+A2:2010* ELOT EN IEC 61000-4-3 E4:2020	ELOT EN 55024 E2:2010* +A1:2015 ELOT EN 55035: 2017* +A11:2020
Household appliances		ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2:2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Electrical equipment for measurement, control and laboratory use	Radiated, radiofrequency electromagnetic field immunity test ELOT EN 61000-4-3 E3:2006 +A1:2008+IS1:2009+A2:2010* ELOT EN IEC 61000-4-3 E4:2020	ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Alarm systems		EN 50130-4 E2:2011 +A1:2014
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Sound and television broadcast receivers and associated equipment		ELOT EN 55035:2017* +A11:2020
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035:2017* +A11:2020
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Electrical installations in ships – Automation, control and instrumentation		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships - Equipment - Luminaires and lighting accessories		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Lifts, escalators and moving walks		ELOT EN 12016 E3:2014
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021 + AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
		2015+A1:2021
Taximeters		OIML R 21: 2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015+AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012* ELOT EN 61800-5-2 E2:2017
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle conductive charging system		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Information technology equipment	Electrical fast transient/burst immunity test ELOT EN 61000-4-4 E3:2012	ELOT EN 55024: E2:2010* +A1:2015 ELOT EN 55035:2017* +A11:2020
Household appliances		ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2: 2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Alarm systems		EN 50130-4 E2:2011 +A1:2014
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Sound and television broadcast receiversand associated equipment		ELOT EN 55035: 2017* +A11:2020
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035:2017* +A11:2020
Maritime navigation and radiocommunication equipment		ELOT EN 60945 E3:2003 IACS UR E10 Rev9

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
and system		
Electrical and electronic installations in ships	Electrical fast transient/burst immunity test ELOT EN 61000-4-4 E3:2012	IEC 60533 E3:2015 IACS UR E10 Rev9
Lifts, escalators and moving walks		ELOT EN 12016 E3:2014
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021 + AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010 ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4: 2015+A1:2021
Taximeters		OIML R 21: 2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015+AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012 ELOT EN 61800-5-2 E2:2017
Electrical installations in ships		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships - Equipment - Lighting and lighting equipment		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle conductive charging system		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and		ELOT EN 60870.02.01:1996

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
systems		
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Information technology equipment	Surge immunity test ELOT EN 61000-4-5 E3:2014 +A1:2017	ELOT EN 55024 E2:2010* +A1:2015 ELOT EN 55035:2017* +A11:2020
Household appliances		ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2:2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Alarm systems		EN 50130-4 E2:2011 +A1:2014

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Automatic electrical controls for household and similar use	Surge immunity test ELOT EN 61000-4-5 E3:2014 +A1:2017	IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Sound and television broadcast receivers and associated equipment		ELOT EN 55035:2017* +A11:2020
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035:2017* +A11:2020
Maritime navigation and radiocommunication equipment and system		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Lifts, escalators and moving walks		ELOT EN 12016 E3:2014
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011 ELOT EN IEC 61439-1 E3:2021 + AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015 +AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012* ELOT EN 61800-5-2 E2:2017
Electrical installations in ships		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships -		IEC 60092-306:2022

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Equipment - Lighting and lighting equipment	Surge immunity test ELOT EN 61000-4-5 E3:2014 +A1:2017	IEC 60092-306:2009 IACS UR E10 Rev9
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle conductive charging system		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2032 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Voltage stabilizer suitable for protecting alternating current (ac) powered refrigerators and freezers	Impulsive transient protection test	WHO/PQS/E007/VS01-VP.6 WHO/PQS/E007/VS01-VP.7
Information technology equipment		ELOT EN 55024 E2:2010* +A1:2015 ELOT EN 55035:2017* +A11:2020

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Household appliances	Immunity to conducted disturbances, induced by radiofrequency fields ELOT EN 61000-4-6 E4:2014 +AC:2015* ELOT EN IEC 61000-4-6 E5:2023	ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2:2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Alarm systems		EN 50130-4 E2:2011 +A1:2014
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Sound and television broadcast receivers and associated equipment		ELOT EN 55035:2017* +A11:2020
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035: 2017* +A11:2020
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic		IEC 60533 E3:2015

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
installations in ships	Immunity to conducted disturbances, induced by radiofrequency fields ELOT EN 61000-4-6 E4:2014 +AC:2015* ELOT EN IEC 61000-4-6 E5:2023	IACS UR E10 Rev9
Lifts, escalators and moving walks		ELOT EN 12016 E3:2014
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3:2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015 +AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012* ELOT EN 61800-5-2 E2:2017
Electrical installations in ships		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships - Equipment - Lighting and lighting equipment		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle charging systems		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment		ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
		ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Information technology equipment	Immunity to power frequency magnetic field ELOT EN 61000.04.08 E2:2010	ELOT EN 55024 E2:2010* +A1:2015 ELOT EN 55035: 2017* +A11:2020
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2:2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2:2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2012
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment	Immunity to power frequency magnetic field ELOT EN 61000.04.08 E2:2010	ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021+ AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015 +AC:2016
Railway applications - Signal and telecommunication equipment		ELOT EN 50121.01 E2:2006 +AC:2008* ELOT EN 50121-1 E4:2017 ELOT EN 50121-3-2 E4:2016*+A1:2019 ELOT EN 50121-4 E4:2016* +A1:2019 ELOT EN 50121-5 E4:2017* +A1:2019
Electrical installations in ships – Equipment – Luminaires and lighting accessories		IEC 60092-306:2009
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle charging systems		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Information technology equipment		ELOT EN 55024 E2:2010* +A1:2015 ELOT EN 55035:2017* +A11:2020

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Household appliances	Voltage dips, short interruptions and voltage variations immunity tests ELOT EN 61000-4-11 E2:2004+ A1:2017* ELOT EN IEC 61000-4-11 E3:2020	ELOT EN 55014.02:1997* ELOT EN 55014.02/A1:2002* ELOT EN 55014.02/A2:2008* ELOT EN IEC 55014-2 E3:2021
Equipment for general lighting purposes		ELOT EN 61547 E2:2009* IEC 61547:2020 ELOT EN IEC 61547 E3:2023
Equipment for residential, commercial and light-industrial environments		ELOT EN 61000.06.01 E2: 2007* ELOT EN IEC 61000-6-1 E3:2019
Equipment for industrial environments		ELOT EN 61000.06.02 E2: 2005* ELOT EN 61000.06.02/IS1* ELOT EN IEC 61000.06.02 E3:2019
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Equipment intended to perform functions in a safety-related system (functional safety) in industrial locations		ELOT EN 61000-6-7:2015
Electrical equipment for measurement, control and laboratory use		ELOT EN 61326.01 E2:2013* ELOT EN IEC 61326-1 E3:2021
Road traffic signal systems		ELOT EN 50293 E2:2018
Road traffic signal systems		ELOT EN 50556 E2:2018
Alarm systems	Voltage dips, short interruptions and voltage variations immunity tests ELOT EN 61000-4-11 E2:2004+ A1:2017* ELOT EN IEC 61000-4-11 E3:2020	EN 50130-4 E2:2011 +A1:2014
Automatic electrical controls for household and similar use		IEC 60730-1:2022 ELOT EN 60730-1 E5:2016 +A1:2019+ A2:2022 ELOT EN 60730-1:2011*
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) used in residential, commercial and light industry environment		ELOT EN 50491.05.01:2010 ELOT EN 50491.05.02:2010 ELOT EN 50491.05.03:2010
Audio, video, audio-visual and entertainment lighting control apparatus for professional use		ELOT EN 55103-2 E2:2009 +IS1:2012 ELOT EN 55035:2017* +A11:2020
Maritime navigation and radiocommunication equipment and systems		ELOT EN 60945 E3:2003 IACS UR E10 Rev9
Electrical and electronic installations in ships		IEC 60533 E3:2015 IACS UR E10 Rev9
Lifts, escalators and moving		ELOT EN 12016 E3:2014

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
walks		
Low-voltage switchgear and controlgear assemblies		ELOT EN 61439.01 E2:2011* ELOT EN IEC 61439-1 E3:2021+ AC:2023
Switches for household and similar fixed electrical installations		ELOT EN 60669-2-1 E3: 2004 +A1:2009 +A12:2010* ELOT EN IEC 60669-2-1 E4:2022 + A11:2022
Medical electrical equipment		ELOT EN 60601-1-2 E4:2015+A1:2021
Taximeters		OIML R 21:2007
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen		ELOT EN 50270:2015 +AC:2016
Adjustable speed electrical power drive systems		ELOT EN IEC 61800-3: 2023 + AC:2025 ELOT EN 61800-3:2004 +A1:2012* ELOT EN 61800-5-2 E2:2017
Electrical installations in ships		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Electrical installations in ships - Equipment - Lighting and lighting equipment		IEC 60092-306:2022 IEC 60092-306:2009 IACS UR E10 Rev9
Telecommunication network equipment		ETSI EN 300 386 V2.2.1:2022
Uninterruptible power supplies (UPS)		ELOT EN 62040-2:2006 +AC:2006* ELOT EN IEC 62040-2 E2:2018
Electric vehicle charging systems		ELOT EN IEC 61851-21-2:2021
Telecontrol equipment and systems		ELOT EN 60870.02.01:1996
Radio equipment	Voltage dips, short interruptions and voltage variations immunity tests ELOT EN 61000-4-11 E2:2004+	ETSI EN 301 489-1 V.2.2.3:2019 ETSI EN 301 489-1 V.1.9.2:2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1:2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1:2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1:2019 ETSI EN 301 489-34 V2.1.1:2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Electrical and electronic installations in ships	Immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz ELOT EN 61000-4-16 E2:2016	IEC 60533 E3:2015 IACS UR E10 Rev9
Equipment used in power station and substation environment		ELOT EN 61000-6-5:2015 EN 61000-6-5:2015/AC:2018-01
Electrical installations in ships		ELOT IEC 60092-504: 2021 IEC 60092-504:2016 IACS UR E10 Rev9
Equipment for road vehicles	Electrical transient conduction along supply lines only ISO 7637-1:2023 ISO 7637-2 E3:2011	ELOT EN 50498:2010 E/ECE/324/Add.9/Rev.6 §6.9 OIML R 21: 2007 ETSI EN 301 489-1 V.2.2.3: 2019 ETSI EN 301 489-1 V.1.9.2: 2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1:2021 ETSI EN 301 489-5 V2.2.1: 2019 ETSI EN 301 489-7 V1.3.1:2005 ETSI EN 301 489-15 V2.2.1: 2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1: 2019 ETSI EN 301 489-34 V2.1.1: 2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
	Electrical transient transmission by capacitive coupling via lines other than supply lines ISO 7637-1:2023 ISO 7637-3 E3:2016 §4.5, §4.6	OIML R 21: 2007

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
	Discontinuities in supply voltage – Starting profile ISO 16750-1:2023 ISO 16750-2:2023 §4.6.3	OIML R 21: 2007 ETSI EN 301 489-1 V.2.2.3: 2019 ETSI EN 301 489-1 V.1.9.2: 2011* ETSI EN 301 489-3 V.2.3.2:2023 ETSI EN 301 489-4 V3.3.1: 2021 ETSI EN 301 489-5 V2.2.1: 2019 ETSI EN 301 489-7 V1.3.1 :2005 ETSI EN 301 489-15 V2.2.1: 2019 ETSI EN 301 489-17 V3.3.1:2024 ETSI EN 301 489-19 V2.2.1:2022 ETSI EN 301 489-20 V2.2.1:2022 ETSI EN 301 489-22 V2.1.1:2020 ETSI EN 301 489-33 V2.2.1: 2019 ETSI EN 301 489-34 V2.1.1: 2019 ETSI EN 301 489-34 V 1.4.1:2013* ETSI EN 301 489-52 V1.3.1:2024 ETSI EN 301 843-1 V2.2.1:2017 ETSI EN 303 446-1 V1.2.1:2019 ETSI EN 303 446-2 V1.2.1:2019
Photometric tests		
Solid state lighting products (Light Emitting Diodes – LED)	Light source stabilization	EN 13032-4:2015 §4.4.1, §4.4.2 IES LM-79-19 §6.4
	Electrical power measurements	EN 13032-4:2015 §4.3.1, §4.3.2, §4.3.3 IES LM-79-19 §5.4
	Calculation of luminous efficacy [lm/W]	EN 13032-4:2015 §6.4 IES LM-79-19 §11.1
	Luminous intensity distribution curve	EN 13032-2:2017 §6.5, §6.6 EN 13032-4:2015 §6.5 IES LM-79-19 §8.0 §11.1
	Determination of the luminous intensity distribution [cd]	EN 13032-4:2015 §6.5 IES LM-79-19 §8.0 §11.1
	Calculation of luminous flux [lm]	EN 13032-4:2015 §6.2 IES LM-79-19 §7.3, §11.1
	Measurement of colorimetric parameters (360 - 830 nm)	EN 13032-4:2015 §7 IES LM-79-19 §9, §11.1§8.2
	Measurement of Correlated Colour Temperature (CCT) [K]	EN 13032-4:2015 §7.1.2 IES LM-79-19 §11.1
	Measurement of color coordinates (x,y), according to CIE 1931	EN 13032-4:2015 §7.1.1 IES LM-79-19 §9, §11.1
	Measurement of color coordinates (u,v), according to CIE 1976 color space	EN 13032-4:2015 §7.1.4 IES LM-79-19 §9, §11.1
	Measurement of color rendering index (R_a) and individual color rendering indices (R_i)	EN 13032-4:2015 §7.1.3 IES LM-79-19 §11.1

Materials / Products to be tested	Types of tests / Properties to be measured	Applied Methods / Techniques to be used
Light sources / Luminaires	Short-term flicker index (P_{stLM})	IEC TR 61547-1: 2020 CIE TN006-2016
	Stroboscopic Visibility Measure (SVM)	CIE TN006-2016 IEC TR 63158:2018
Indoor lighting installations	Illuminance	EN 12464-1:2021 §5.4, §8.2 Measurement is conducted on-site.
Outdoor lighting installations	Illuminance	EN 12464-2:2024 §5.3.5, §7.2 Measurement is conducted on-site.
Street lighting installations	Illuminance	EN 13201-4:2016 §7.3 Measurement is conducted on-site.
Football stadium lighting installations		UEFA Stadium Lighting Guide 2023 Measurement is conducted on-site.
	Illuminance	§21
	Uniformity	§7
	MAUR	§11
	Correlated color temperature	§12
	Color Rendering Index	§13
	Flicker Factor	§10

* The older version of the standard is used to conform to regulatory or legislative requirements.

** Conducted disturbance measurements are performed according to CISPR 16-2-1:2014 + AMD1:2017 (ELOT EN 55016.02.01 E3:2014 + A1:2017) using measurement equipment conforming to CISPR 16-1-1:2019 (ELOT EN 55016.01.01 E4:2019).

*** Radio disturbance measurements are performed using measurement equipment conforming to CISPR 16-2-3:2016 + AMD1:2019 + AMD2:2023 (ELOT EN 55016-2-3 E4:2017 + A1:2019+ A2:2023) and CISPR 16-1-1:2019 (ELOT EN 55016.01.01 E4:2019).

Site of assessment: **Permanent Laboratory Premises, 9, Iroon Politechniou str., 157 80 Zografou Campus, Zografou, Attiki, Greece.**

Approved signatories: **Ioannis F. Gonos.**

This Scope of Accreditation replaces the previous one dated 14.07.2025.
The Accreditation Certificate No. **490**-8, to ELOT EN ISO/IEC 17025: **2017**, is valid until 14.12.2029.

Athens, 12.12.2025

Konstantinou Evangelos Apostolos
CEO of ESYD