



REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 245

Sofia, 25.07.2025

Pursuant to Art. 10, para. 1, item 3, Art. 20, para. 6, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 518/257 ЛИ/РО/5/В/25.03.2025 and statement of the Accreditation assessment report reg. № 518/257 ЛИ/РО/18.12.2024, Commission reg. № 518/257 ЛИ/РО/6/В/02.06.2025, I hereby

**EXTEND THE SCOPE OF ACCREDITATION
OF**

**BULGARIAN INSTITUTE OF METROLOGY
ELECTROMAGNETIC COMPATIBILITY TEST LABORATORY**

Management address: 1797 Sofia, 52B Dr. G. M. Dimitrov Blvd, Floor 2
Laboratory address: 1784 Sofia, Poligona, 2 Prof. Petar Mutafchiev Str.

To perform testing of:

Type of scope: *flexible*

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
1.	Electrical appliances (household appliances, microwave ovens, induction hobs, personal hygiene and care appliances, slot machines, movie and slide projectors, battery chargers and external power sources for use with electrical appliances), power tools, and electric/electronic toys	1.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		1.2. Radiated disturbances (frequency range 30 MHz-1 GHz for equipment under test battery operated (without cables connected to them), whose largest dimension is less than or equal to 300 mm)	БДС EN IEC 61000-4-20
		1.3. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		1.4. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		1.5. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		1.6. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6

Type of scope: flexible

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		1.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
		1.8. Radiated electromagnetic disturbances (frequency range 9 kHz-30 MHz)	БДС EN IEC 55015 (LISA) БДС EN IEC 55015/A11
		1.9. Discontinuous disturbances (frequency range 150 kHz-30 MHz)	БДС EN IEC 55014-1
2.	Multimedia equipment (equipment for entering, storing, displaying, retrieving, processing, or controlling data and telecommunication communications; audio equipment; video equipment; advertising lighting control equipment)	2.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		2.2. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		2.3. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		2.4. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		2.5. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		2.6. Power frequency magnetic fields	БДС EN 61000-4-8
		2.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
3.	Medical electrical equipment and medical electrical systems	3.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		3.2. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		3.3. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		3.4. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		3.5. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		3.6. Power frequency magnetic fields	БДС EN 61000-4-8
		3.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
		3.8. Harmonic current emissions	БДС EN IEC 61000-3-2 БДС EN IEC 61000-3-2/A1 БДС EN IEC 61000-3-2/A2

Type of scope: flexible			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		3.9. Voltage fluctuations and flicker in public low-voltage supply systems	БДС EN 61000-3-3 БДС EN 61000-3-3/A1 БДС EN 61000-3-3/A2
4.	Uninterruptible power systems	4.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		4.2. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		4.3. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		4.4. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		4.5. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		4.6. Harmonic current emissions	БДС EN IEC 61000-3-2 БДС EN IEC 61000-3-2/A1 БДС EN IEC 61000-3-2/A2
5.	Programmable controllers and their associated peripherals	5.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		5.2. Radiated disturbances (frequency range 30 MHz-1 GHz for equipment under test battery operated (without cables connected to them), whose the largest dimension is less than or equal to 300 mm)	БДС EN IEC 61000-4-20
		5.3. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		5.4. Electrical fast transient/burst impulses	БДС-EN-61000-4-4
		5.5. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		5.6. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		5.7. Power frequency magnetic fields	БДС EN 61000-4-8
		5.8. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
6.	Components of fire alarm systems, alarm systems, anti-intrusion and burglary systems, video surveillance systems, access control systems	6.1. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		6.2. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		6.3. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		6.4. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6

Type of scope: flexible			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		6.5. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
7.	Electrical equipment for measurement, control and laboratory use (electrical measurement and test equipment, electrical control equipment, and electrical laboratory equipment)	7.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		7.2. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		7.3. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		7.4. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		7.5. Conductive disturbances induced by radio frequency fields.	БДС EN 61000-4-6
		7.6. Power frequency magnetic fields	БДС EN 61000-4-8
		7.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
		7.8. Harmonic current emissions	БДС EN IEC 61000-3-2 БДС EN IEC 61000-3-2/A1 БДС EN IEC 61000-3-2/A2
		7.9. Voltage fluctuations and flicker in public low-voltage supply systems	БДС EN 61000-3-3 БДС EN 61000-3-3/A1 БДС EN 61000-3-3/A2
8.	Devices installed in electrical substations requiring high reliability	8.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		8.2. Electrostatic discharges: Air discharge. Contact discharge	БДС EN 61000-4-2
		8.3. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		8.4. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		8.5. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		8.6. Power frequency magnetic fields	БДС EN 61000-4-8
		8.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
9.	Electric lighting (lighting equipment, lighting part of multifunctional equipment,	9.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1

Type of scope: flexible			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	equipment emitting ultraviolet and infrared light for domestic and industrial applications, advertising signs, decorative lighting, emergency signs)		БДС EN 55016-2-1/AC-09
		9.2. Radiated disturbances (frequency range 30 MHz-1 GHz for equipment under test battery operated (without cables connected to them), whose the largest dimension is less than or equal to 300 mm)	БДС EN IEC 61000-4-20
		9.3 Radiated electromagnetic disturbances (frequency range 9 kHz - 30 MHz)	БДС EN IEC 55015 (LLAS) БДС EN IEC 55015/A11
		9.4. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		9.5. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		9.6. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		9.7. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		9.8. Power frequency magnetic fields	БДС EN 61000-4-8
		9.9. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
10.	Electronic scales with non-automatic operation	10.1. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		10.2. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		10.3. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		10.4. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		10.5. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
11.	Electrical and electronic devices/equipment for use in residential, commercial, public and light industrial environments	11.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz)	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		11.2. Radiated disturbances (frequency range 30 MHz-1 GHz for equipment under test battery operated (without cables connected to them), whose the largest dimension is less than or equal to 300 mm)	БДС EN IEC 61000-4-20
		11.3. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2

Type of scope: flexible			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		11.4. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		11.5. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		11.6. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		11.7. Power frequency magnetic fields	БДС EN 61000-4-8
		11.8. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10
		11.9. Harmonic current emissions	БДС EN IEC 61000-3-2 БДС EN IEC 61000-3-2/A1 БДС EN IEC 61000-3-2/A2
		11.10. Voltage fluctuations and flicker in public low-voltage supply systems	БДС EN 61000-3-3 БДС EN 61000-3-3/A1 БДС EN 61000-3-3/A2
12.	Electrical and electronic devices/equipment intended for use in industrial environments	12.1. Disturbance voltage at power port (frequency range 150 kHz - 30 MHz))	БДС EN 55016-2-1 (V-networks (AMNs)) БДС EN 55016-2-1/A1 БДС EN 55016-2-1/AC-09
		12.2. Radiated disturbances (frequency range 30 MHz-1 GHz for equipment under test battery operated (without cables connected to them), whose the largest dimension is less than or equal to 300 mm)	БДС EN IEC 61000-4-20
		12.3. Electrostatic discharges: Air discharge; Contact discharge	БДС EN 61000-4-2
		12.4. Electrical fast transient/burst impulses	БДС EN 61000-4-4
		12.5. Voltage surge	БДС EN 61000-4-5 БДС EN 61000-4-5/A1
		12.6. Conductive disturbances induced by radio frequency fields	БДС EN 61000-4-6
		12.7. Power frequency magnetic fields	БДС EN 61000-4-8
		12.8. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC-06 БДС EN IEC 61000-4-11 /AC-10

Flexible scope: Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by the laboratory.

ORDER

To issue the certificate of accreditation with registration № 257 ЛИ/25.07.2025, valid until 06.10.2027 and this order as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from representative of the legal entity of Bulgarian Institute of Metrology, the head of the Electromagnetic compatibility test laboratory, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 257 ЛИ/30.09.2024, valid until 06.10.2027 and its enclosure, EA BAS order reg. № A 353/30.09.2024.

This order shall be notified to Bulgarian Institute of Metrology, within 3 (three) days from its issuance.

Eng. Irena Borislavova

*Executive Director
of Executive agency Bulgarian accreditation service*

