



REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 353

Sofia, 30.09.2024

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, item 5.3.1 in connection with item 4.3.8 f) of the BAS QR 2 Accreditation Procedure, report reg. № 518/257 ЛИ/6/В/20.08.2024 and EA BAS order reg. № A 352/30.09.2024, I hereby

AMEND

EA BAS order reg. № A 429/06.10.2023 to certificate of accreditation reg. № 257 ЛИ/06.10.2023, valid until 06.10.2027

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 the 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 the 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
		1.7. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC:06
2.	Multimedia equipment (equipment for	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

Type of the scope: *flexible*

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	entering, storing, displaying, retrieving, processing, or controlling data and telecommunication communications; audio equipment; video equipment; advertising lighting control equipment)		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. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11/AC:06
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
4.	Uninterruptible powersystems	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
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	БДС EN IEC 61000-4-20

Type of the scope: *flexible*

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		under test battery operated (without cables connected to them), whose the largest dimension is less than or equal to 300 mm)	
		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
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
		6.5. Voltage dip, short interruption, and voltage variation	БДС EN IEC 61000-4-11 БДС EN IEC 61000-4-11 /AC:06
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
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

Type of the scope: <i>flexible</i>			
Nº	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		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
9.	Electric lighting (lighting equipment, lighting part of multifunctional equipment, equipment emitting ultraviolet and infrared light for domestic and industrial applications, advertising signs, decorative lighting, emergency signs)	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 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)
		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
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
11.	Electrical and electronic devices/equipment for use in residential,	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	БДС EN IEC 61000-4-20

Type of the scope: <i>flexible</i>			
Nº	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	commercial, public and light industrial environments	(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)	
		11.3. Electrostatic discharges: Air discharge Contact discharge	БДС EN 61000-4-2
		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
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

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/30.09.2024, valid until 06.10.2027 and this order as an integral part of it.

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/06.10.2023, valid until 06.10.2027 and its enclosure, EA BAS order reg. № A 429/06.10.2023.

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

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

Eng. Irena Borislavova

Executive Director of EA BAS

