



ORDER
No. A 27
Sofia, 29.01.2025

On the grounds of Art. 10 para. 1, item 4, art. 28 para. 1 of the Law on the National accreditation of Conformity assessment bodies and the respective item 4.3.7 of Accreditation Procedure BAS QR 2 in connection with an open procedure with reg. № 7/128 OKC/ПА/16.07.2024, report of on-site assessment № 7/128 OKC/ПА/6/B/20.09.2024 and statement of the Accreditation Commission № 7/128 OKC/ПА/2/B/10.01.2025, I hereby

RE-ACCREDIT

Inspection body type C at EL-TEST EOOD, Sofia

Management and office address:

1632, city of Sofia, Ovcha Kupel 2 residential complex, 82B President Lincoln Blvd

To perform inspection of:

Scope type: flexible*					
№	Scope of inspection	Inspection type	Inspected parameter characteristic	Test/measurement methods used in inspection; procedure of inspection	Normative acts, standards, specifications, inspectionschemes
1.	2.	3.	4.	5.	6.
1.	Electrical installations and equipment up to over 1000V	Of new and/or in use/ operation sites/ facilities	Resistance of protective earthing systems	ПК 01.1 Ordinance № RD-02-20-1 (SG issue 53 of 2018)	БДС 414 Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008), TC
			Insulation resistance	ПК 01.2 Ordinance № RD-02-20-1 (SG issue 53 of 2018)	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004) НИЕМС, Ordinance № RD-02-20-1 (SG issue 53 of 2018), TC

			Resistance of lightning protection earthing systems	ПК 01.3	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 4 (SG, issue 6/2011), TC
			Electrical insulation strength by increased constant or alternating test voltage up to 100 kV DC and up to 80 kV AC of machines and equipment	ПК 01.4 БДС 9089 НИЕМС БДС 16249 БДС 6949	Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 3 (SG, issue 90 and 91/2004) НИЕМС TC
			Transition resistance in contact systems	ПК 01.5	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) НИЕМС, TC
2.	Electrical installations and equipment up to 1000V	Of new and/or in use/ operation sites/ facilities	Impedance of the "phase-protective conductor" circuit	ПК 02.1 Ordinance № RD-02-20-1 (SG, issue 53 of 2018)	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008), TC
			Protective breakers for zero sequence currents – switch-off time, contact voltage, triggering current	ПК 02.2	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) TC
3.1.	Insulating rods (manipulation measuring for portable earthing); insulating pliers; current measuring pliers	Products in use/ operation	Electrical insulation strength by increased AC test voltage	Ordinance № 22 (SG issue 45/2006) ПК 03.1	Ordinance № 22 (SG issue 45/2006) TC
3.2.	Voltage indicators	Products in use/ operation	Electrical insulation strength by increased AC test voltage and voltage indication threshold	Ordinance № 22 (SG issue 45/2006) ПК 03.1	Ordinance № 22 (SG issue 45/2006) TC;

3.3.	Dielectric gloves, calf boots, boots, galoshes	Products in use/ operation	Electrical insulation strength by increased AC test voltage and leakage current	Ordinance №22 (SG, issue 45/2006) ПК 03.1	Ordinance №22 (SG, issue 45/2006) TC
4.	Cable power lines up to 20kV	On new and/or in use/ operation sites/ facilities	Insulation resistance	НИЕМС БДС 1986, items 3.3 a), b), d) and e) -, ПК 04.1	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) ,НИЕМС, TC
			Electrical strength of the insulation by increased DC or AC voltage	НИЕМС БДС 2406 ПК 04.2	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) НИЕМС, TC
5.	Capacitor systems up to and over 1000V	On new and/or in use/ operation sites/ facilities	Current value and uniformity of load of the individual phases	ПК 05.1	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004) TC
			No housing connection	ПК 05.2	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004) TC
6.	Transformers up to and including 400 kV	On new and/or in use/ operation sites/ facilities	Insulation resistance	БДС 16654 ПК 06.1	Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004) НИЕМС, TC
			Active resistance of the windings	НИЕМС БДС 15320 ПК 06.3	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004), НИЕМС, TC
			Breakdown voltage of transformer oil	БДС EN 60156 ПК 06.4	Ordinance № 16-116 (SG, issue 26/2008) НИЕМС TC
			Transformation ratio	БДС 15320 ПК 06.5	Ordinance № 3 (SG, issues 90 and 91/2004), Ordinance № 16-116 (SG, issue 26/2008) НИЕМС, TC

			Connection groups of three-phase transformers	БДС 15320 ПК 06.6	Ordinance № 16-116 (SG, issue 26/2008), Ordinance № 9 (SG, issue 72/2004) БДС 15320 STEME Ordinance № 3 (SG, issues 90 and 91/2004), TC
			Polarity of single-phase transformers terminals	БДС 15320 ПК 06.6	Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004), TC
7.	Relay protection devices, electrical automation, telemechanics and secondary circuits	On new and/or in use/ operation sites/ facilities	Check of the relay protections settings (alternating current of operating and return, alternating voltage of operating and return, operating time, operating impedance)	ПК 07.2	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004), TC
			Test the devices operation (correct, incorrect operation or failure of the devices)	ПК 07.3	Ordinance № 3 (SG, issues 90 and 91/2004) Ordinance № 16-116 (SG, issue 26/2008) Ordinance № 9 (SG, issue 72/2004), TC
8.	Electric motors / generators for direct and alternating current up to and over 1000V	On new and/or in use/ operation sites/ facilities	Insulation resistance	НИЕМС БДС 6949 ПК 08.1	Ordinance № 16-116 (SG, issue 26/2008) НИЕМС TC
			Active winding resistance (stator and rotor)	БДС 6949 ПК 08.3	Ordinance № 16-116 (SG, issue 26/2008), НИЕМС TC
			Power and idle losses of electric motors	БДС 6949 ПК 08.4	Ordinance № 16-116 (SG, issue 26/2008), НИЕМС TC
9.	Power and measuring transformers up to 400kV	On new and/or in use/ operation sites/ facilities	Dielectric loss capacity and coefficient ($\text{tg}\delta$)	БДС 16654 НИЕМС ПК09.1	Ordinance № 3, Art. 2125, item 2 (SG, issues 90, 91/2004) Ordinance № 16-116 Art. 97, para. 1 and Art. 107, para. 2, (SG issue 26/2008)

					ННЕМС - item 3.4.3 and item 3.5.2; TC
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** Introduction of new versions of standards/documents or standards/documents, replacing them is permitted. An up-to-date list of standards/documents with their dated versions is provided to the CAB.*

Ordinance № 3 on the construction of electrical appliances and power lines (SG, issue 90 and SG, issue 91/2004)

Ordinance № 4 on the lightning protection of buildings, external facilities and open spaces (SG, issue 6/2011)

Ordinance № 16-116 on technical operation of energy equipment (SG, issue 26/2008)

Ordinance № 22 for testing of electrical protective equipment in operation (SG, issue 45/2006)

Ordinance № 9 on the technical operation of power plants and networks (SG, issue 72/2004)

СТЕМЕ – 1995 – Standards for testing of electrical machinery and equipment

Ordinance № RD-02-20-1 on technical rules and regulations for control and acceptance of electrical works (SG, issue 53 of 2018)

TC – Technical specification

I ORDER

To be issued Certificate of accreditation with reg. № 128 OKC from 29.01.2025 valid until 29.01.2029 and this order enclosed as an integral part thereof.

The certificate of accreditation with the enclosure thereto shall be received by the Manager of EL-TEST ЕООД, Sofia, the Head of the Type C Control Body at EL-TEST ЕООД, Sofia or another authorized person in the office of EA BAS.

Upon the receipt of the issued certificate and the enclosure, the accredited entity is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 128 OKC issued on 29.01.2021 valid until 29.01.2025 and the enclosure – order by EA BAS № A 33/29.11.2021.

This order shall be notified to the legal entity/sole trader within 3 (three) days of its issuance.

eng. IRENA BORISLAVOVA

Executive Director

of the EA Bulgarian Accreditation Service



