REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 251

Sofia, 30.07.2025

Pursuant to art. 10, par. 1, item 3 and item 4, art. 28, par. 1 and art. 30 par. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 4.3.7 of BAS QR 2 Accreditation Procedure in connection with open procedure with Reg. № 143/27 ОКС/ПА/РО/20.12.2024, Assessment report № 143/27 ОКС/ПА/РО/4/В/19.02.2025, statement of the Accreditation Commission № 143/27 ОКС/ПА/РО/6/В/21.07.2025, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

INSPECTION BODY of type C

at AC-DC LTD, Pleven

Management and office address: 5800 Pleven, 19 Ruse Blvd.

To perform inspection according to the following scope:

Scope type: *Flexible**					
№	**Field of inspection**	**Type of inspection**	**Parameter of Inspection/ Characteristic**	**Test and Measurement Methods Used During Inspection, Inspection Procedure**	**Regulations, Standards, Specifications, Schemes**
1.	Electrical systems and equipment up to 1000 V	Initial and/or periodic, new and/or in use/in exploitation facilities/ equipment	Loop impedance "Phase – protective wire"	PR 7.1.2	Ordinance № 3, State Gazette 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Ordinance № 1, SG 46/2010) TC
			Circuit breakers: actuating current, switch-off time, resistance of safety grounding, tangent voltage	PR 7.1.3	Ordinance № 3, State Gazette 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Ordinance №1, SG 46/2010; TC
2.	Electrical systems and equipment up	Initial and/or periodic, new and/or in	Insulation resistance,	БДС 1986 p. 3.3 a), b), d) and e)	БДС HD 60364-6; Ordinance № 3,

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	to and above 1000 V	use/in exploitation facilities/equipment	Absorption coefficient (R_{60}:R_{15})	PR 7.1.4	State Gazette 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; Ordinance № 1, SG 46/2010; TC
			Safety grounding systems – resistance of grounding devices	PR 7.1.5	Ordinance № 3 State Gazette 90 and 91/2004; Ordinance № 16-116 SG 26/2008; Ordinance № 1, SG 46/2010 TC
			Lightning protection grounding - resistance of grounding devices	PR 7.1.6	Ordinance № 4, State Gazette 6/2011; Ordinance № 3, SG 90 and 91/2004; Ordinance № 16-116, SG 26/2008; TC
			Electrical strength of hard dielectrics, 50 Hz, up to 70 kV	БДС 15235; PR 7.1.7	БДС EN 60204-1; Ordinance № 3, State Gazette 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
			Breakdown voltage of transformation oil up to 40 kV	БДС EN 60156; PR 7.1.8	Ordinance № 3, State Gazette 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
			Active resistance	БДС 15320; PR 7.1.9	Ordinance № 3, State Gazette 90 and 91/2004;

					Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
			Electrical strength of insulation, excess voltage, frequency up to 0.1 Hz, up to 50 kV	IEEE 400.2; PR. 7.1.25	IEEE 400.2; IEC 60502-2/ AMD1 ED3 TC
3.	Electrical protective equipment				
3.1	Insulating rods, measuring rods, insulating pliers, dielectric carpets and rugs	Periodic, products in exploitation	Electrical strength through excess voltage of 50 Hz frequency, up to 70 kV	Ordinance № 22, State Gazette 45/2006; PR 7.1.17	Ordinance № 22, State Gazette 45/2006; TC
3.2	Dielectric gloves, dielectric boots and rubbers		Electrical strength through excess voltage of 50 Hz frequency, leakage current up to 70 kV	Ordinance № 22, State Gazette 45/2006; PR 7.1.17	Ordinance № 22, State Gazette 45/2006; TC
3.3	Voltage detectors		Electrical strength through excess voltage of 50 Hz frequency and voltage indication threshold up to 70 kV	Ordinance № 22, State Gazette 45/2006; PR 7.1.17	Ordinance № 22, State Gazette 45/2006; TC
4.	Artificial lighting in the workplace and household environment	Initial and/or periodic, new and/or in use/in exploitation facilities	Illuminance	Methodological guidelines for measuring and assessing artificial lighting in buildings, 40-85; PR 7.1.18	БДС EN 12464-1; Ordinance № 49, State Gazette 7/1976; Ordinance №24, SG 95/2003; Ordinance № 2, SG 15/2007; Ordinance № 9, SG 46/1994; Ordinance № 3, SG 15/2007; Ordinance № 26, SG 103/2008; TC
5.	Microclimate in the	Initial and/or periodic, new and/or in use/in	Air temperature,	Ordinance № RD-07-3, SG 63/2014;	БДС 14776; Ordinance № 24, SG 95/2003;

	workplace and household environment	exploitation facilities	Relative humidity of air, Air movement speed	БДС 16686; PR 7.1.19	Ordinance № 2, SG 15/2007; Ordinance № 9, SG 46/1994; Ordinance № 3 SG 15/2007; Ordinance № 26, SG 103/2008; Ordinance № RD-07-3 SG 63/2014; TC
6.	Noise in the work environment	Initial and/or periodic, new and/or in use/in exploitation facilities	Daily level of exposure to noise, Average weekly level of exposure to noise, Peak sound pressure	БДС EN ISO 9612 (БДС ISO 1999); PR 7.1.20	Ordinance № 6, SG 70/2005; TC
7.	Ventilation systems	Initial and/or periodic, new and/or in use/in exploitation facilities/equip ment/products	Airflow velocity; Airflow rate and total pressure	БДС 12.3.018; PR 7.1.22	Ordinance № 15, SG 68/2005; Ordinance № 24, SG 95/2003 TC
8.	Power cable lines up to 20 kV	Initial and/or periodic, new and/or in use/in exploitation facilities/equip ment/products	Electrical strength of insulation with excess constant voltage, integrity of core and phasing	БДС 2406; БДС 2374; PR 7.1.10	Ordinance № 16-116, SG 26/2008; Ordinance № 3, State Gazette 90 and 91/2004; Standards for testing electrical machinery and equipment/1995; TC
9.	Power transformers up to 35 kV	Initial and/or periodic, new and/or in use/in exploitation facilities/equip ment/products	Insulation resistance and absorption coefficient (R_{60}:R_{15}); electrical strength of insulation through excess voltage of 50 Hz frequency, up to 70 kV, active resistance of coils, breakdown voltage of transformation oil	БДС 16654; БДС EN 60076-3; БДС 15320; БДС EN 60156; PR 7.1.11	Ordinance № 3 SG 90 and 91/2004; Ordinance № 16-116 SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
10.	Electric motors for alternating current up to 20 kV	Initial and/or periodic, new and/or in use/in exploitation	Insulation resistance, Electrical strength of insulation	БДС 6949; PR 7.1.12	Ordinance № 16-116, SG 26/2008; Standards for testing electrical

		facilities/equipment/products	through excess voltage of 50 Hz frequency, up to 70 kV, Active resistance of coils		machinery and equipment/1995; TC
11.	Complete transformation substations for general purposes with voltage up to 20 kV	Initial and/or periodic, new and/or in use/in exploitation facilities/equipment/products	Insulation resistance, Electrical strength of insulation through excess voltage of 50 Hz frequency, up to 70 kV, Active resistance of contacts	БДС 15089; PR 7.1.13	БДС 10699; Ordinance № 3, SG 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
12.	Complete switchgear for indoor and outdoor installation with voltage up to 20 kV	Initial and/or periodic, new and/or in use/in exploitation facilities/equipment/products	Insulation resistance, Electrical strength of insulation through excess voltage of 50 Hz frequency, up to 70 kV, Active resistance of contacts	БДС 15089; PR 7.1.14	БДС 10699; Ordinance № 3, SG 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
13.	Circuit breaker for high voltage up to 20 kV	Initial and/or periodic, new and/or in use/in exploitation facilities/equipment/products	Insulation resistance, Electrical strength of insulation through excess voltage of 50 Hz frequency, up to 70 kV, Active resistance of contacts, Breakdown voltage of transformation oil	БДС 15235; БДС EN 60156; PR 7.1.15	Ordinance № 3, SG 90 and 91/2004; Ordinance № 16-116, SG 26/2008; Standards for testing electrical machinery and equipment/1995; TC
14.	Relay protection	Initial and/or periodic, new and/or in use/in exploitation facilities/equipment/products	Actuating current, Actuating voltage, Actuating frequency, actuating time	Reference book of relay protection; PR 7.1.16	Ordinance № 16-116, SG 26/2008; TC

**The introduction of a new version of standards/documents or standards/documents that replace them is allowed. An up-to-date list of standards/documents with their dated versions is provided by the Conformity Assessment Body (CAB).*

1. Ordinance № 2 – On health requirements to computers and internet clubs for public use (State Gazette 15/2007);
2. Ordinance № 3 – On health requirements to kindergartens (State Gazette 15/2007);
3. Ordinance № 9 – On health and hygiene requirements to using personal computers in extramural training of students (State Gazette 46/1994);
4. Ordinance № RD-07-3 – On minimum requirements to microclimate in working spaces (State Gazette 63/2014);
5. Ordinance № 49 – On artificial lighting of buildings (State Gazette 7/1976);
6. Ordinance № 6 – On minimum requirements to ensuring health and safety of employees working under the risk of exposure to noise (State Gazette 70/2005);
7. Ordinance № 15 – On technical rules and norms in design, construction and exploitation of facilities and equipment for production, transmission and distribution of heat energy (State Gazette 68/2005);
8. Ordinance № 24, State Gazette 95/2003 – On sanitary and hygiene requirement to discotheques (State Gazette 95/2003);
9. Ordinance № 26 – On structure and operation of kindergartens and facilities producing meals for infants, and applicable health requirements (State Gazette 103/2008);
10. Ordinance № 1 – On design, construction and maintenance of low voltage electrical systems in buildings (State Gazette 46/2010);
11. Ordinance № 3 – On construction of electrical systems and power line (State Gazette 90/2004, 91/2004);
12. Ordinance № 4 – On lightning protection of buildings, external equipment and open spaces (State Gazette 6/2011);
13. Ordinance № 16-116 – On technical exploitation of energy equipment (State Gazette 26/2008);
14. Ordinance № 22 – On testing electric safety devices in exploitation (State Gazette 45/2006).

I HEREBY ORDER

To issue the Certificate of accreditation reg. № 27 ОКС/30.07.2025, valid until 30.07.2029 and this order as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from Manager/representative of AC-DC Ltd, Pleven, the Head of CAB or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 27 ОКС of 30.07.2021 and the enclosure Order for Accreditation № А 451/30.07.2021 of EA BAS.

This order shall be notified to the AC-DC LTD, Pleven within 3 (three) days from its issuance.



Eng. Mariya Ilieva-Yordanova

Executive Director
of the EA Bulgarian Accreditation Service