Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this fied

ORDER

№ A 836
Sofia, 23.12.2021

Pursuant to Art. 10, para. 1, item 3 and item 4, Art. 28, para. 1 and Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 4.3.7 of the BAS QR 2 Accreditation Procedure, in connection with open procedure reg. № 196/43 ОКС/ПА/РО/15.04.2021, assessment report reg. № 196/43 ОКС/ПА/РО/4/В/23.09.2021, annex G2 Section reg. № 196/43 ОКС/ПА/РО/6/В/12.10.2021 and statement of the Accreditation Commission reg. № 196/43 ОКС/ПА/РО/7/В/16.12.2021, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF

Inspection Body of type C at ELIT OOD, Shumen

Management and Office address: 9700 Shumen, 49 Tsar Ivan Aleksandar Str.

To perform inspection of:

Type of the scope: *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	2	3	4	5	6
1.	Electrical installations and equipment for voltages up to and above 1000 V	Initial and/or periodic of new and/or operating sites/equipment	Insulation resistance	Ordinance № RD-02-20-1 (SG № 53/2018) Standards for testing of electrical machines and equipment (NIEMS) – 1995 БДС 13910; БДС 2406; БДС 15089 Procedure P-1 (П-1)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) TS
			Electrical strength insulation of electrical equipment up to 20 kV by high voltage testing with industrial frequency	БДС 15701; БДС 15235 Procedure P-1 (П-1)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) NIEMS – 1995; TS
			Resistance of earthing protection systems	Ordinance № RD-02-20-1 (SG № 53/2018) Procedure P-1 (П-1)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) Ordinance № 21 (SG № 41/2007 БДС 15969; TS
			Resistance of lightning protection earthing systems	Procedure P-1 (П-1)	Ordinance № 16-116 (SG № 26/2008) Ordinance № 4 (SG № 6/2011); TS
2.	Electrical installations and equipment for	Initial and/or periodic of new and/or	"Phase – protective conductor" circuit impedance	Ordinance № RD-02-20-1 (SG № 53/2018) Procedure P-2 (П-2)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008); TS

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	voltages up to 1000 V	operating sites/equipment	Circuit breaker for zero sequence currents (ground fault interrupters Fi circuit breakers): – Trigger current; - Contact Voltage; - Shutdown time.	Ordinance № RD-02-20-1 (SG № 53/2018) Procedure P-2 (П-2)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) TS
3.	Cable power lines for voltages up to and above 1000 V	Initial and/or periodic of new and/or operating sites/equipment	Insulation resistance	Ordinance № RD-02-20-1 (SG № 53/2018) БДС 1986, item 3.3 a), b), e) and f) Procedure P-3 (П-3)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) NIEMS – 1995 ; TS
4.	Cable power lines for voltages up to 20 kV	Initial and/or periodic of new and/or operating sites/equipment	Electrical insulation strength by testing with high constant voltage	Ordinance № RD-02-20-1 (SG № 53/2018) БДС 2406 NIEMS – 1995 Procedure P-4 (П-4)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) NIEMS – 1995; TS
5.	Transformers: – Power, measuring transformers.	Initial and/or periodic of new and/or operating sites/equipment	Insulation resistance of the windings	БДС 16654 Procedure P-5 (П-5)	Ordinance № 3 (SG № 90 and 91/2004) Ordinance № 16-116 (SG № 26/2008) NIEMS – 1995; TS
			Breakdown voltage of transformer oil	БДС EN 60156 Procedure P-5 (П-5)	
6	Electrical protective equipment:				
6.1	Insulating rods of all kinds (manipulating, measuring, portable earthing rods); Insulating pliers; Electric measuring pliers for voltage above 1 kV; Devices for remote piercing (cutting) of cables.	Products in operation	Electrical insulation strength by control with high voltage with industrial frequency	Ordinance № 22 (SG № 45/2006) Procedure P-6 (П-6)	Ordinance № 22 (SG № 45/2006) TS
6.2	Dielectric gloves; Dielectric ankle boots, boots and aloshes.	Products in operation	– Electrical insulation strength by control with high voltage with industrial frequency; – Leakage current.	Ordinance № 22 (SG № 45/2006) Procedure P-6 (П-6)	Ordinance № 22 (SG № 45/2006) TS
6.3	Voltage indicators; Voltage indicators for checking phase matching (phasing).	Products in operation	– Electrical insulation strength by control with high voltage with industrial frequency; – Threshold voltage.	Ordinance № 22 (SG № 45/2006) Procedure P-6 (П-6)	Ordinance № 22 (SG № 45/2006) TS
7.	Physical environmental factors:				

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7.1	Microclimate in working and living environment	Initial and/or periodic of new and/or operating sites/equipment	– air temperature; – relative humidity; – air velocity;	Ordinance № RD-07-3 (SG № 63/2014) БДС 16686 Procedure P-7 (П-7)	Ordinance № РД-07-3 (SG № 63/ 2014) Ordinance № 2 (SG № 15/2007) Ordinance № 3 (SG № 15/2007) Ordinance № 9 (SG № 46/1994) Ordinance № 24 (SG № 95/2003) Ordinance № 26 (SG № 103/2008) БДС 14776; TS
7.2	Artificial lighting in working and living environment	Initial and/or periodic of new and/or operating sites/equipment	Lighting	Methodical instructions for measurement and evaluation of artificial lighting in buildings 40–85, publishing house "Standardization", 1985. Procedure P-8 (П-8)	БДС EN 12464-1 Ordinance № 049 (SG № 7/1976) Ordinance № 2 (SG № 15/2007) Ordinance № 3 (SG № 15/2007) Ordinance № 9 (SG № 46/1994) Ordinance № 24 (SG № 95/2003) Ordinance № 26 (SG № 103/2008); TS
7.3	Noise in the working environment	Initial and/or periodic of new and/or operating sites/equipment	- Daily noise exposure leve dBA; - Weekly avarage noise exposure level dBA; - Noise level; - Peak noise pressure level dBC;	БДС EN ISO 9612 (БДС ISO 1999) Procedure P-9 (П-9)	Ordinance № 6 (SG № 70/2005) TS
7.4	Noise in the surrounding environment	Initial and/or periodic of new and/or operating sites/equipment	Equivalent noise level	БДС 15471 Procedure P-9 (П-9)	Ordinance № 6 (SG № 58/2006) Annex 2 table №2); TS
7.5	Noise in the premises of residential or public buildings	Initial and/or periodic of new and/or operating sites/equipment	– Noise level; – Equivalent noise level.	БДС 15471 Procedure P-9 (П-9)	Ordinance № 6 (SG № 58/2006 – Annex №2, table № 1) Ordinance № 2 (SG № 15/2007) Ordinance № 9 (SG № 46/1994) Ordinance № 24 (SG № 95/2003) Ordinance № 26 (SG № 103/2008); TS
8.	Vibrations transmitted to the hand–arm system and the whole body;	Initial and/or periodic of new and/or operating sites/equipment	Daily value of vibrations transmitted to the hand–arm system	БДС EN ISO 5349-1 БДС EN ISO 5349-2 Procedure P-10 (П-10)	Ordinance № 3 (SG № 40/2005) TS
			Daily value of vibrations transmitted to the whole body	БДС ISO 2631-1 Procedure P-10 (П-10)	Ordinance № 3 (SG № 40/2005) TS
9.	Ventilation systems	Initial and/or periodic of new	- Air flow rate; Air flow speed;	БДС 12.3.018	Ordinance № 15 (SG № 68/2005)

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		and/or operating sites/equipment		Procedure P-11 (П-11)	Ordinance № 24 (SG № 95/2003) TS
10.	Chemical agents in the air of the work environment	Initial and/or periodic of new and/or operating sites/equipment	Dust concentration in the air of the working environment: – Inhalable fraction; Respirable fraction.	БДС 2200 БДС EN 482 БДС EN 689+AC Procedure P-12 (П-12)	Ordinance № 13 (SG № 8/2004) Ordinance № 10 (SG № 94/2003)
			Concentration of chemical agents in the air of the work environment by express linear colorimetric method (using indicator tubes)	БДС EN 482 БДС EN 689+AC Methodical instructions for determination of toxic gases and vapours in the air of the working environment by linear-colometric methods, book 2, publishing house Medical Academy, Research Institute of Hygiene and Occupational Diseases, Hygitest Association, 1987 Procedure P-13 (П-13)	Ordinance № 13 (SG № 8/2004) Ordinance № 10 (SG № 94/2003)

***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 CAB.*

References:

Ordinance № 49 – on the artificial lighting of the buildings (SG № 7/1976);
Ordinance № 2 – on the health requirements for the computers and internet halls for public use (SG № 15/2007);
Ordinance № 24, SG № 95/2003 on the sanitary and hygienic requirements for discotheques (SG № 95/2003);
Ordinance № 9 – on the health and hygiene requirements for the use of non-personal computers in the education and extracurricular activities of students (SG № 46/1994);
Ordinance № 3 – on the health requirements for the kindergartens (SG № 15/2007;
Ordinance № 26 on the structure and activity of nurseries and children's kitchens[1] and health requirements for them (SG № 103/2008);
Ordinance № 6 – on the minimum requirements for ensuring the health and safety of workers in case of risks related to noise exposure (SG № 70/2005);
Ordinance № РД-07-3 – on the minimum requirements for the microclimate of the workplaces (SG № 63/2014);
Ordinance № 6 – on the indicators of noise in the environment, taking into account the degree of discomfort during the different parts of the day, the limit values of the indicators for noise and the harmful effects of noise on the health of the population (SG № 58/2006);
Ordinance № 15 on the technical rules and norms for design, construction and operation of the sites and facilities for production, transmission and distribution of heat energy (SG № 68/2005);
Ordinance № 3, SG № 40/2005 for the minimum requirements for ensuring the health and safety of the workers from the risks associated with exposure to vibration.
Ordinance № 13 – for protection of workers from risks related to the operation with chemical agents while working (SG № 8/2004);
Ordinance № 4 on the lightning protection of buildings, external facilities and open spaces (SG № 6/2011);
Methodical instructions for determination of toxic gases and vapours in the air of the working environment by linear-colometric methods, book 2, publishing house Medical Academy, Research Institute of Hygiene and Occupational Diseases, Hygitest Association, 1987;
Methodical instructions for measurement and evaluation of artificial lighting in buildings 40–85, Collection of methods of the National Centre for Hygiene, Medical Ecology and Nutrition, volume IV, publishing house

"Standartization", 1985.
NIEMS - 1995 Standards for testing of electrical machines and equipment, 1995 of the Energy Committee, Arges Publishing House;
Ordinance № 16-116 for technical operation of the energy equipment (SG № 26/2008);
Ordinance № 3 on the electrical installations design and power lines (SG № 90/2004, issue № 91/2004);
Ordinance № 22 for testing of electrical protective equipment in operation (SG № 45/2006);
Ordinance № RD-02-20-1 for technical rules and standards for inspection and acceptance of electrical and technical works;
Ordinance № 21 regulations for installation of mobile communication networks and equipment (SG № 41/2007)
Ordinance № 10 for safety of workers in case of risks related to carcinogens and mutagens exposure at work. (SG 94/2003)
TS – Technical specification of the client.

I ORDER

To issue the Certificate of accreditation reg. № 43 ОКС/23.12.2021, valid until 23.12.2025 and this order as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from the manager / representative of the ELIT OOD, Shumen, head of the Inspection body of type C, 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. № 43 ОКС/31.03.2021, valid untill 22.12.2021 and its enclosure EA BAS order № А 203/31.03.2021.

This order shall be notified to the legal entity within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS