



ORDER

№ A - 344

Sofia, 31.05.2021

Pursuant to Art. 10, para. 1, item 2a) of the Law of National Accreditation Bodies for Conformity Assessment and item 5.3 in conjunction with item 4.3. 8 f) of the Procedure for Accreditation BAS QR 2 in connection with an opened procedure reg. № 91/8/OKA/ПА/10.09.2020, Assessment Report № 91/8 OKA/23.02.2021, statement of the Accreditation Commission № 91/8 OKA/5/B/22.04.2021, letter with reg. № 91/8 OKA/8/E/20.05.2021, report № 91/8 OKA/9/B/27.05.2021 and Order of EA BAS № A 343/31.05.2021, I hereby

AMEND

EA BAS ORDER № A 271/29.04.2021

**INSPECTION BODY OF TYPE A
at "BONUS – MANOL NIKOLOV" SP,
town of Smolyan**

Registered office: 4702 Smolyan, 18 Geo Milev Str.

Office address: 4702 Smolyan, 20 Polk. Dicho Petrov Str.

To perform inspection of:

Type of scope: flexible*					
№	Inspection field	Type of Inspection	Inspected parameter / characteristic	Testing methods / measurement, used for Inspection	Legisl. Acts, standards, specifications, schemes
1	2	3	4	5	6
1.	Electrical installations and switchgears with rated voltage up to 1000V	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Loop impedance in solidly earthed systems	Quality Procedure 7.1-01	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); TS
2.	Electrical installations and switchgears with rated voltage up to 1000V	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Residual current circuit breakers (RCD): - residual operating current - tripping time - contact voltage of the equipment protected by RCD	Quality Procedure 7.1-02	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); TS
3.	Electrical installations and switchgears with rated voltage up to and above 1000V	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Insulation resistance	БДС 1986, item 3.3 a), 6), д), e); Quality Procedure 7.1-03	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); Regulation N1 (SG issue 46/2010); TS
4.	Electrical installations and switchgears with rated voltage up to and above 1000V	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Resistance of protection grounding systems	Quality Procedure 7.1-05	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); Regulation N21 (SG issue 41/2007); Rules for safety and health working on electrical

					equipment for rated voltage up to 1000V /ПБЗРЕН/ (SG issue 3 21/2005); TS
5.	Electrical installations and switchgears with rated voltage up to and above 1000V	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Resistance of lightning protection grounding systems	Quality Procedure 7.1-06	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); Regulation N21 (SG issue 41/2007); Regulation N4 (SG issue 6/2011); Regulation НПД-02-20-1 (SG issue 11/2017); TS
6.	Cable electric power lines with rated voltage up to 20kV incl.	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Electrical strength of insulation via DC high voltage	БДС 2406 Quality Procedure 7.1-07	Regulation N3 (SG issue 90/2004 and issue 91/2004); Regulation N16-116 (SG issue 26/2008); Regulation N9 (SG issue 72/2004); TS
7.	Power transformers up to 110kV	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Insulation resistance	БДС 16654 Quality Procedure 7.1-04	Regulation N16-116 (SG issue 26/2008); Requirements for testing electrical machinery and equipment /НИЕМС-1995); TS
8	Electrical protective equipment:				
8.1.	Insulating rods – operating rods, measuring rods, for movable earthing switches; Insulating and clamp-measuring pliers; Dielectric mattings and insulating platform; Insulating coatings (inserts) and caps	In-service	Electrical strength of insulation	Regulation N22 (SG issue 45/2006) Quality Procedure 7.1-08	Regulation N22 (SG issue 45/2006) TS
8.2.	Dielectric insulating gloves and boots	In-service	Electrical strength of insulation and leakage current	Regulation N22 (SG issue 45/2006) Quality Procedure 7.1-08	Regulation N22 (SG issue 45/2006) TS
8.3.	Voltage detector poles, Voltage phase comparator	In-service	Electrical strength of insulation; Voltage indication threshold (voltage threshold)	Regulation N22 (SG issue 45/2006) Quality Procedure 7.1-08	Regulation N22 (SG issue 45/2006)
9.	Insulating liquids	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Breakdown voltage at power frequency	БДС EN 60156 Quality Procedure 7.1-09	Regulation N16-116 (SG issue 26/2008); TS
10.	Ventilation systems	Initial Inspection and/or In-service Inspection of	Velocity of air flow; Volumetric flow rate	БДС 12.3.018 Quality Procedure 7.1-10	Regulation N15 (SG issue 68/2005); Regulation N24 (SG issue 95/2003); TS

		Facilities/ Equipment			
11.	Artificial lighting at the workplace and residential buildings	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Illumination	Methodical instructions 40-85 "Methods for measuring and evaluating artificial lighting" ed. "Standardization" Quality Procedure 7.1-12	Regulation N49 (SG, issue 7/1976) Regulation N9 (SG, issue 46/1994) Regulation N24 (SG, issue 95/2003) Regulation N2 (SG, issue 15/2007) Regulation N3 (SG, issue 15/2007) Regulation N26 (SG, issue 103/2008) Regulation N28 (SG, issue 109/2008) Regulation N ПД-02-20-3 (SG, issue 5/2016) БДC EN 12464-1 TS
12.	Microclimate at the workplace and public buildings	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Air temperature; relative humidity; air velocity	Regulation N ПД-07-3 (SG, issue 63/2014); БДC 16686; Quality Procedure 7.1-13	Regulation N 9 (SG issue 46/1994); Regulation N24 (SG, issue 95/2003); Regulation N2 (ДВ 15/2007); Regulation N3 (SG, issue 15/2007); Regulation N26 (SG, issue 103/2008); Regulation N ПД-07-3 (SG issue 63/2014); БДC 14776; TS
13.	Noise				
13.1	Noise at the workplace	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Daily level of noise exposure; Average weekly noise exposure level; Level of peak sound pressure; Noise level; Equivalent noise level	БДC ISO 9612 (БДC ISO 1999) БДC 15471 Quality Procedure 7.1-14	Regulation N7 (SG, issue 88/1999) Regulation N6 (SG, issue 70/2005) Regulation N9 (SG, issue 46/1994) Regulation N26 (SG, issue 103/2008) TS
13.2	Noise in the premises of residential and public buildings	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Noise level; Equivalent noise level	БДC 15471 Quality Procedure 7.1-18	Regulation N9 (SG, issue 46/1994) Regulation N24 (SG, issue 95/2003) Regulation N2 (SG, issue 15/2007) Regulation N26 (SG, issue 103/2008) Regulation N6 (SG, issue 58/2006 – att.N2, table 1) Regulation N ПД-02-20-3, art.266, para.1, item 7 (SG, issue 5/2016) TS
14.	Vibrations at the workplace	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Daily value of the arm-shoulder system exposure	БДC EN ISO 5349-1 БДC EN ISO 5349-2 Quality Procedure 7.1-16	Regulation N3 (SG, issue 40/2005) TS
			Daily value of the whole body exposure;	БДC ISO 2631-1 Quality Procedure 7.1-16	Regulation N3 (SG, issue 40/2005) TS
15.	Vibrations at the residential premises	Initial Inspection and/or In-service Inspection of	RMS vibration acceleration in octave bands with average - geometric	Regulation N9 (SG, issue 17/2010) Quality	Regulation N9 (SG, issue 17/2010) TS

		Facilities/ Equipment	frequencies	Procedure 7.1-17	
16.	Electrochemical (cathodic) protection against corrosion of underground metal structures	Initial Inspection and/or In-service Inspection of Facilities/ Equipment	Stationary (established) potential; Potential of galvanic anodes; Total polarization potential; Polarization potential; Transient resistance of the insulating coating by the method of "CP"; Anode grounding resistance; Potential difference between underground metal structures; Soil resistivity (specific electrical resistance of the soil)	БДС 15705 БДС EN 13509 Quality Procedure 7.1-15	БДС 15704 TS

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

Regulation N3 (SG issue 90/2004 and issue 91/2004) on the structure of electrical installation and power lines;
Regulation N16-116 (SG issue 26/2008) on technical operation of energy equipment;
Regulation N1 (SG issue 46/2010) for the design, construction and maintenance of low voltage electrical installations in buildings;
Regulation N21 (SG issue 41/2007) on the rules for construction of mobile telecommunication networks and facilities;
Rules for safety and health working on electrical equipment with rated voltage up to 1000V /ПБЗРЕН up to 1000V/ (SG issue 21/2005);
Regulation N4 (SG issue 6/2011) on lightning protection of buildings, outdoor installations and open spaces;
Regulation N ПД-02-20-1 (SG issue 11/2017) on planning and design of constructions intended for production, storage and trade of weapons, ammunition, explosives and pyrotechnic articles;
Regulation N9 (SG issue 72/2004) on technical operation of power plants and networks;
Requirements for testing electrical machinery and equipment /НИЕМС-1995 /;
Regulation N22 (SG issue 45/2006) on testing of electrical protective equipment in-service;
Regulation N15 (SG issue 68/2005) on technical rules and regulations for design, construction and operation of sites and facilities for production, transmission and distribution of heat energy;
Regulation N24 (SG issue 95/2003) on the sanitary and hygiene requirements for discos.
Regulation N49 (SG issue 7/1976) on artificial lighting of buildings
Regulation N9 (SG issue 46/1994) on the health and hygiene requirements for the use of personal computers in the education and extracurricular activities of students.
Regulation N2 (SG issue 15/2007) on the health requirements to the computer and internet halls for public use.
Regulation N3 (SG issue 15/2007) on the health requirements to kindergartens.
Regulation N26 (SG issue 103/2008) for the design and operation of nurseries and children's kitchens and health requirements for them
Regulation N28 (SG issue 109/2008) on the structure and organization of work of pharmacies and the nomenclature of medicinal products;
Regulation N ПД-02-20-3 (SG issue 5/2016) for design, implementation and maintenance of public service buildings in the range of education and science, healthcare, culture and arts;
Regulation N ПД-07-3 (SG issue 63/2014) on the minimum requirements regarding microclimate at the workplace.
Regulation N7 (SG issue 88/1999) on the minimum requirements for healthy and safe working conditions at workplaces and when using work equipment;
Regulation N6 (SG, issue 70/2005) on the minimum requirements for health and safety of the employees working exposed to noise;
Regulation N6 (SG issue 58/2006) on environmental noise indicators, taking into account the degree of discomfort during the different parts of the day, the limit values of environmental noise indicators, the methods for assessing the values of noise inductors and the harmful effects of noise on the health of the population.
Regulation N3 (SG, issue 40/2005) on the minimum requirements for health and safety of the employees working exposed to vibrations;
Regulation N9 (SG issue 17/2010) for the maximum permissible values of vibration in residential premises;
TS - Customer's technical specification.

I HEREBY ORDER

To issue the Certificate of Accreditation reg. N° 8 OKA from 31.05.2021, valid until 29.04.2025 and this Order enclosed as an integral part thereof.

The Certificate of Accreditation with the enclosure should be obtained from Manager/Representative of "BONUS – MANOL NIKOLOV" SP, town of Smolyan, the Head of the Conformity Assessment Body (CAB) or other authorized person in the office of EA BAS.

This Order shall be notified to "BONUS – MANOL NIKOLOV" SP, town of Smolyan, within 3 (three days) from the date of its issuance.

Dipl. Eng. Irena Borislavova
Executive Director
Executive Agency
Bulgarian Accreditation Service



