



ORDER

No. A 434

Sofia, 18.11.2024

Pursuant of Art. 10, para. 1, item 4, and Art. 28, 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 an open procedure of accreditation with reg. № 64/140 OKC/ПА/13.03.2024, Assessment Report № 64/140 OKC/ПА/7/В/17.07.2024, Section G-2 with entry No 64/140 OKC/ПА/9/В/23.08.2024 and a statement of the Accreditation Commission No 64/140 OKC /ПА/10/В/12.11.2024, I hereby

RE-ACCREDIT
INSPECTION BODY "ELIA" of TYPE C at ELIA JSC, SOFIA

Management Address:

1309 Sofia, Krasna Polyana District, 205 Alexander Stamboliyski Blvd

Office address:

1309 Sofia, Krasna Polyana District, 205 Alexander Stamboliyski Blvd., entr. 2, fl. 3 – B 301

To perform inspection of:

Type of scope: <i>flexible*</i>					
№	Field of control	Type of control	Controlled parameter/ Characteristic	Methods of test/measurement used for the control	Normative documents, standards, specifications, schemes
1	2	3	4	5	6
1.	Electrical systems and switchgears with rated voltage up to and above 1000 V	Initial Inspection and/or In-service Inspection of Facilities / Equipment	Resistance of protection and lightning protection grounding systems	Inspection Procedure ПК № 1	Regulation № 3, (SG issue 90/2004 and issue 91/2004); Regulation № 4-2010, (SG issue 6/2011); Regulation №16-116, (SG issue 26/2008); TC
2.	Cable electric power lines with rated voltage up to 20 kV	Initial Inspection and/or In-service Inspection of Facilities / Equipment	Insulation resistance	БДС 1986, item 3.3 а), б), е), ф); Inspection Procedure ПК № 2	Regulation № 3, (SG issue 90/2004 and issue 91/2004); НИЕМС-1995; TC
			Electrical strength of insulation using AC or DC high voltage	БДС 2406 Inspection Procedure ПК № 2	БДС 2581, Item 2.3.; БДС 3017, Item 2.11; Regulation №16-116, (SG issue 26/2008); TC
3.	Switchgears for indoor or outdoor installation (ISG and OSG).	Initial Inspection and/or In-service Inspection of	Insulation resistance	БДС 13910 БДС 15089 БДС EN 61439-1	Regulation № 16-116, (SG issue 26/2008); БДС 10699, Item 3.6;

	Package transformer substations (PTS)	Facilities / Equipment/		Inspection Procedure ПК № 3	БДС EN 61439-1, Item 11.9; НИЕМС-1995; ТС
			Electrical strength of insulation via AC high voltage for ISG, OSG and PTS up to 20 kV	БДС 9089 БДС 15235 БДС EN 61439-1 БДС EN 60060-1 Inspection Procedure ПК № 3	Regulation №16-116, (SG issue 26/2008); БДС 10699, Item 3.5; БДС EN 61439-1, Item 10.9; НИЕМС-1995; ТС
			Resistance of movable and fixed contact systems	БДС 15089 НИЕМС-1995; Inspection Procedure ПК № 3	Regulation №16-116, (SG issue 26/2008); НИЕМС-1995; ТС
			Check of the correctness of implementation and operation of the control circuits, electrical and mechanical interlocks	БДС 15089; БДС EN 61439-1; Inspection Procedure ПК № 3	Regulation №16-116, (SG issue 26/2008); БДС 10699; БДС 9829, Item 3.11.24; ТС
			Resistance of connections between accessible current-carrying parts and the protective circuit	БДС EN 61439-1; Inspection Procedure ПК № 3	БДС 414; БДС 10699; БДС EN 61439-1; ТС
4.	Power transformers	Initial Inspection and/or In-service Inspection of Facilities / Equipment/	Insulation resistance	БДС 16654 Inspection Procedure ПК №4	Regulation №16-116, (SG issue 26/2008); НИЕМС-1995; ТС
			Electrical strength of insulation via AC high voltage of power transformers up to 20kV	БДС 15235 БДС 16249 Inspection Procedure ПК № 4	БДС 16249 БДС EN 60076-3, Item 7.2.2; НИЕМС-1995; ТС
			Winding resistance	БДС 15320 Inspection Procedure ПК № 4	НИЕМ-1995; ТС
			Transformation ratio	БДС 15320 Inspection Procedure ПК № 4	Regulation №16-116, (SG issue 26/2008); ТС
			Vector group of transformers	БДС 15320 Inspection Procedure ПК № 4	БДС 15320 ТС

			Resistance of connections between accessible current-carrying parts and the protective circuit	БДС EN 61439-1 Inspection Procedure ПК № 4	БДС EN 61439-1 ТС
5.	Metering transformers – current and voltage transformers	Initial Inspection and/or In-service Inspection of Facilities / Equipment/	Insulation resistance	БДС 10370 БДС 16654 Inspection Procedure ПК № 5	БДС 10370, Item 2.6; НИЕМС-1995; ТС
			Electrical strength of insulation via AC high voltage of metering transformers up to 20 kV	БДС 10370 БДС EN 60060-1 Inspection Procedure ПК № 5	БДС 10370, Item 2.7; НИЕМС-1995; ТС
			Transformation ratio	БДС 15320 Inspection Procedure ПК №5	Regulation № 3, (SG issue 90/2004 and issue 91/2004); NIEMS-1995 TS;
			Indications of terminal connections	БДС 15320 Inspection Procedure ПК № 5	Regulation № 3, (SG issue 90/2004 and issue 91/2004); НИЕМС-1995 ТС;
			Volt – Ampere characteristics	НИЕМС-1995 Inspection Procedure ПК №5	НИЕМС-1995; ТС
6.	Rotating electrical machines	Initial Inspection and/or In-service Inspection of Facilities / Equipment/	Insulation resistance	НИЕМС-1995; БДС 6949 Inspection Procedure ПК № 6	НИЕМС-1995; ТС
			Electrical strength of insulation via AC high voltage of electrical machines up to 20 kV	БДС EN 60034-1, Item 9.2; БДС EN 15235 Inspection Procedure ПК № 6	Regulation №16-116, (SG issue 26/2008) НИЕМС-1995; ТС
7.	Protective relays, auxiliary circuits and electric power systems with rated voltage up to 1000 V	Initial Inspection and/or In-service Inspection of Facilities / Equipment/	Insulation resistance	Regulation №16-116, (SG issue 26/2008); БДС 7862; Inspection Procedure ПК № 7	Regulation № 3, (SG issue 90/2004 and issue 91/2004) Regulation №16-116, (SG issue 26/2008); ТС
			Pick up current value, pick up voltage value and dropout ratio	БДС 7862 БДС EN 60255-151, Item 6.2.1 БДС EN 60255-127,	БДС 7862 БДС EN 60255-151, Item 6.2.1

				Item 6.2.1 Relay protection manual-1981 Inspection ПН№ 7	БДС EN 60255-127, Item 6.2.1 Relay protection manual-1981 TC
8.	Electrical systems and switchgear with rated voltage up to 1000 V	Initial Inspection and/or In-service Inspection of Facilities / Equipment/	Loop impedance Residual current circuit breakers (RCD): - residual operating current - tripping time - contact voltage - resistance of the protective earth	Inspection Procedure ПК № 8-1 Regulation №16-116, (SG issue 26/2008); Inspection Procedure ПК № 8-2	Regulation №16-116, (SG issue 26/2008); Regulation № 3, (SG issue 90/2004 and issue 91/2004); TC Regulation №16-116, (SG issue 26/2008); Regulation № 3, (SG issue 90/2004 and issue 91/2004); TC

* The introduction of a new version of standards/documents or amendments thereof is allowed. An updated list of standards/documents with the dated versions is provided by the Conformity Assessment Bodies (CAB).

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

Regulation № 3 on the structure of electrical systems and power transmission lines, (SG issue 90/2004, issue 91/2004);

Regulation № 4 on lightning protection of buildings, outdoor installations and open spaces, (SG issue 6/2011);

НИЕМС – Requirements for testing electrical machinery and equipment (1995).

TC – Technical specification

I ORDER

A Certificate of accreditation to be issued with registration No. 140 OKC dated 18.11.2024 valid until 18.11.2028 with the present Order annexed, as an integral part of it.

The Certificate of Accreditation together with the Annex to be received by a representative of **ELIA PLC, Sofia**, the head of the CAB or another authorized person at the premises of EA BAS.

Upon receipt of the issued certificate and annex, the accredited person is obliged to return to the EA BAS the originals of the accreditation certificate with registration № 140 OKC dated 20.11.2020 valid until 20.11.2024 and the annex – Order № A 669/20.11.2020 issued by EA BAS.

The present order must be notified to the legal entity within 3 (three) days from its issuance.

Eng. Irena Borislavova
Executive Director of EA BAS

