



ORDER

№ A 435

Sofia, 13.07.2022

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, para. 1 and Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment bodies, items 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with open procedure reg. № 183/316 OKC/ПА/PO/17.11.2021, report reg. № 183/316 OKC/ПА/PO/6/B/18.03.2022, annex reg. № 183/316 OKC/ПА/PO/8/B/08.04.2022 and Statement of the Accreditation Commission reg. № 183/316 OKC/ПА/PO/9/B/20.06.2022, I hereby

EXTEND THE SCOPE OF ACCREDITATION

**of Inspection Body of type C ORION 5-LAB
at ORION-5 Vatrachki & Sons OOD**

Management address:

1404 Sofia, Strelbishte, 171 Gotse Delchev Blvd, Building 27, Ent. 2, Floor 1, Apt.17

Office address:

1680 Sofia, Borovo, Bulgaria Blvd., Building 13, Ent. 7, Floor 1, Apt. 2

To perform inspection of:

Type of the scope: <i>Flexible*</i>					
№	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 systems and equipment up to 1000 V	At new and/or or operational sites / facilities	Loop impedance of the 'Phase – protective conductor'	PKfzp Procedure	Ordinance № 3, SG №90, 91/2004; Ordinance № 16-116, SG № 26/2008; Technical Specifications
			FI (residual current) circuit breakers protection) inrush current; shutdown time; touch voltage; protective earth resistance	Procedure PKd	Ordinance № 3, SG №90, 91/2004; Ordinance № 16-116, SG №26/2008; Technical Specifications
2.	Electrical systems and equipment up to 1000 V	At new and/or or operational sites / facilities	Resistance of lightning protection earthing systems	Procedure PKm	Ordinance № 4, SG № 6/2011; Technical Specifications
			Resistance of protective earthing systems	Procedure PKz	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116,

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1	2	3	4	5	6
					SG № 26/2008; Technical Specifications
			Insulation resistance of cables and power lines	БДC 1986 item 3.3 a), b), e) and f). Procedure PKi-k-nn	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116, SG № 26/2008; Technical Specifications
3.	Electrical systems and equipment up to 1000 V	At new and/or or operational sites / facilities	Isolation of power lines (busbars) with nominal voltage up to 20 kV, by means of increased voltage control with industrial frequency 50Hz to 50 kV	БДC 5589 БДC 3637 БДC 13910 Procedure PKi-t-srn	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116, SG № 26/2008; Standards for testing electrical machines and equipment; Technical Specifications
			Isolation of power cable lines up to 20kV, by increased direct voltage control up to 70kV	БДC 2406 Procedure PKi -k-srn	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116, SG № 26/2008; Standards for testing electrical machines and equipment; Technical Specifications
4.	Power transformers for voltage up to 110 kV	At new and/or or operational sites / facilities	Insulation resistance and ratio R60:R15	БДC 16654 Procedure PKi -s-tr	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116, SG № 26/2008; Standards for testing electrical machines and equipment; Technical Specifications
			Active resistance of the coils	БДC EN 60076-1 БДC 15320 Procedure PKas-s-tr	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16- 116, SG № 26/2008; Standards for testing electrical machines and equipment; Technical Specifications
			Transformation factor	БДC EN60076-1 БДC 15320 Procedure PKkt-s-tr	Ordinance № 3, SG № 90, 91/2004; Ordinance № 16-116, SG № 26/2008; Standards for testing electrical machines and equipment; Technical Specifications

***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 № 16-116 on the technical operation of electrical equipment (SG № 26/2008);
Ordinance № 3 on the arrangement of electrical systems and power lines (SG № 90 and 91/2004);
Ordinance № 4 on the lightning protection of buildings, outdoor facilities and open spaces (SG № 6/2011);
NIEMS - Standards for testing electrical machinery and equipment (1995)
TC- Technical Specification

I ORDER

To issue the Certificate of accreditation reg. № 316 OKC/13.07.2022, valid until 13.07.2026 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 at ORION-5 Vatrachki & Sons OOD Sofia, head of the Inspection Body of type C ORION 5-LAB at at ORION-5 Vatrachki & Sons OOD Sofia, 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 reg. № 316 OKC /19.02.2021, and its enclosure EA BAS order № A 72/19.02.2021 as an integral part of it.

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

Eng. Irena Borislavova

Executive Director of EA BAS

