Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 178

Sofia, 18.04.2023

Pursuant to Art. 10, para. 1, item 2 of the Law on National Accreditation of Conformity Assessment Bodies and item 4. of BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № А 511-ЛИ/29.07.2022, report reg. № 511 ЛИ/18/В/30.11.2022, and statement of the Accreditation Commission reg. № А 511-ЛИ/6/В/07.04.2023, I hereby

ACCREDIT

LTC EOOD

LTC-TEST Testing Laboratory

Management and laboratory address:
2304 Pernik, 1 Vladaysko vastanie Str.

To perform testing of:

Type of the scope: *flexible for a part of the scope**			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
1.	Oil (1) and dry (2) power transformers for voltage up to 36 kV	1.1 Insulation winding strength measuring and determination of absorption coefficient	БДС 16654, cl. 4.1 (1)
		1.2 Transformation coefficient measuring and checking the phase shift	БДС EN 60076-1, cl. 11.3 (1), (2) IEC 60076-1, cl. 11.3 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.2 (2)
		1.3 Determination of the group of winding connection	БДС EN 60076-1, cl. 11.3 (1), (2) IEC 60076-1, cl. 11.3 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.2 (2)
		1.4 Winding strength measuring with direct current	БДС EN 60076-1, cl. 11.2 (1), (2) IEC 60076-1, cl. 11.2 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.1 (2)
		1.5 Test of voltage insulation, applied by outside source, 50 Hz	БДС EN 60076-3+A1, cl. 10 (1), (2) IEC 60076-3+A1, cl. 10 (1), (2) БДС EN IEC 60076-11+AC,

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Type of the scope: *flexible for a part of the scope**			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
			cl. 14.2.5 (2)
		1.6 Test of insulation with inductive voltage	БДС EN 60076-3+A1, cl. 11.2 (1), (2) IEC 60076-3+A1, cl. 11.2 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.6 (2)
		1.7 Current loss measuring at floating	БДС EN 60076-1, cl. 11.5 (1), (2) IEC 60076-1+A1, cl. 11.5 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.4 (2)
		1.8 Measurement of loss and voltage in short circuit	БДС EN 60076-1, cl. 11.4 (1), (2) IEC 60076-1, cl. 11.4 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.2.3 (2)
		1.9 Overheating test	БДС EN 60076-2, cl. 7.3.2 (1) IEC 60076-2+A1, cl. 7.3.2 (1) БДС EN IEC 60076-11+AC, cl. 14.3.2.2.2 (2)
		1.10 Insulation test with full and chopped lightning impulse	БДС EN 60076-3+A1, cl. 13.2, cl. 13.3 (1), (2) IEC 60076-3+A1, cl. 13.2, cl. 13.3 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.3.1 (2)
		1.11 Noise level measuring	БДС EN 60076-10, cl. 11.2 (1), (2) IEC 60076-10, cl. 11.2 (1), (2) БДС EN IEC 60076-11+AC, cl. 14.4.2 (2)
2.	Mineral insulation oils for transformers and switches	2.1 Determination of breakdown voltage with industrial frequency of transformer oil	***БДС EN 60156:2002, cl. 9, cl. 10, cl. 11
3.	Pressurized riffled boilers of three-phase oil-filled transformers at 50 Hz, from 50 kVa up to 2500 kVa with a maximum equipment voltage not exceeding 36 kV	3.1 Hermeticity (strength) test	**БДС EN 50464-4:2007 +A1:2011
		3.2 Leakage test	**БДС EN 50464-4:2007 +A1:2011

***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 laboratory.*

** *Repealed but not replaced standard.*

*** *Fixed scope*

I ORDER

To issue the Certificate of accreditation reg. № 81 ЛИ/18.04.2023, valid until 18.04.2027, and this order as an integral part of it.

The Certificate of accreditation with the enclosure to be received at the office of EA BAS by the Manager /representative of LTC EOOD, the head of LTC-TEST Testing Laboratoratory, at LTC EOOD, or other authorized person in the office of EA BAS.

This order shall be notified to LTC EOOD, within 3 (three) days from its issuance.



Eng. Irena Borislavova

Executive Director of EA BAS