ORDER

№ А 245

Sofia, 30.07.2026

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of BAS QR 2 Accreditation procedure, in connection with an open procedure reg. № 461/243 ЛИ/ПА/20.01.2026, assessment report reg. № 461/243 ЛИ/5/В/20.02.2026 and Statement of the Accreditation Commission reg. № 461/243 ЛИ/ПА/7/В/13.07.2026, I hereby

RE-ACCREDIT

ELPROM HEAVY INDUSTRIES JSC
TRANSFORMERS TESTING LABORATORY

Management and Laboratory address:
1271, Sofia, Iliyantsi, 41, Rozhen Blvd.

To perform testing of:

Type of scope: *flexible**			
№	**Tested products**	**Type of test/ characteristic**	**Testing methods (standard/ validated method)**
1	2	3	4
1.	Power transformers with rated power up to 275 MVA, and rated voltage up to 420 kV	1.1. Measurement of D.C. insulation resistance between each winding to earth and between windings.	БДС EN 60076-1, cl. 11.1.2.2, b (IEC 60076-1, cl. 11.1.2.2, b); БДС EN 60076-1, cl. 11.1.4, h (IEC 60076-1, cl. 11.1.4, h)
		1.2. Determination of capacitances windings-to-earth and between windings. Measurement of dissipation factor (tan δ) of the insulation system capacitances.	БДС EN 60076-1, cl. 11.1.2.2, a (IEC 60076-1, cl. 11.1.2.2, a); БДС EN 60076-1, cl. 11.1.4, c (IEC 60076-1, cl. 11.1.4, c); БДС EN 60076-1, cl. 11.1.2.2, c (IEC 60076-1, cl. 11.1.2.2, c); БДС EN 60076-1, cl. 11.1.4, d (IEC 60076-1, cl. 11.1.4, d)
		1.3. Measurement of winding resistance.	БДС EN 60076-1, cl. 11.2 (IEC 60076-1, cl. 11.2)

Type of scope: *flexible**			
№	**Tested products**	**Type of test/ characteristic**	**Testing methods (standard/ validated method)**
1	2	3	4
		1.4. Measurement of voltage ratio and check of phase displacement.	БДС EN 60076-1, cl. 11.3 (IEC 60076-1, cl. 11.3)
		1.5. Measurement of short-circuit impedance and load loss.	БДС EN 60076-1, cl. 11.4 (IEC 60076-1, cl. 11.4)
		1.6. Measurement of no-load loss and current.	БДС EN 60076-1, cl. 11.5 (IEC 60076-1, cl. 11.5)
		1.7. Measurement of zero-sequence impedance(s) on three-phase transformers.	БДС EN 60076-1, cl. 11.6 (IEC 60076-1, cl. 11.6)
		1.8. Check of core and frame insulation.	БДС EN 60076-1, cl. 11.12 (IEC 60076-1, cl. 11.12)
		1.9. Temperature-rise type test.	БДС EN 60076-2 (IEC 60076-2)
		1.10. Applied voltage test (AV).	БДС EN 60076-3, cl. 10 (IEC 60076-3, cl. 10)
		1.11. Induced voltage withstands test (IVW).	БДС EN 60076-3, cl. 11.2 (IEC 60076-3, cl. 11.2)
		1.12. Induced voltage test with partial discharge measurement (IVPD).	БДС EN 60076-3, cl. 11.3 (IEC 60076-3, cl. 11.3)
		1.13. Line terminal AC withstand test (LTAC).	БДС EN 60076-3, cl. 12 (IEC 60076-3, cl. 12)
		1.14. Full wave lightning impulse test (LI)/on a neutral terminal (LIN).	БДС EN 60076-3, cl. 13.2, 13.4 (IEC 60076-3, cl.13.2, 13.4)
		1.15. Chopped wave lightning impulse test (LIC).	БДС EN 60076-3, cl. 13.3 (IEC 60076-3, cl.13.3)
		1.16. Switching impulse test (SI).	БДС EN 60076-3, cl. 14 (IEC 60076-3, cl.14)
		1.17. Determination of sound level.	БДС EN 60076-10 (IEC 60076-10)
2.	On-load tap-changers and de-energized tap-changers with rated voltage up to 362 kV	2.1. Full wave lightning impulse test (LI).	БДС EN 60214-1, cl. 5.2.8.5, cl. 7.2.5.5 (IEC 60214-1, cl. 5.2.8.5, cl.7.2.5.5)
		2.2. Chopped wave lightning impulse test (LIC).	БДС EN 60214-1, cl. 5.2.8.6, cl. 7.2.5.6 (IEC 60214-1, cl. 5.2.8.6, cl.7.2.5.6)
		2.3. Switching impulse test (SI).	БДС EN 60214-1, cl. 5.2.8.7, cl. 7.2.5.7 (IEC 60214-1, cl. 5.2.8.7, cl.7.2.5.7)
		2.4. Applied voltage test (AV).	БДС EN 60214-1, cl. 5.2.8.8, cl. 7.2.5.8 (IEC 60214-1, cl. 5.2.8.8, cl.7.2.5.8)
		2.5. Measurement of partial discharges.	БДС EN 60214-1, cl. 5.2.8.9, cl. 7.2.5.9 (IEC 60214-1, cl. 5.2.8.9, cl.7.2.5.9)

***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 the CAB.*

I ORDER

To issue the certificate of accreditation reg. № 243 ЛИ/30.07.2026, valid until 29.07.2030, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of ELPROM Heavy Industries JSC, the head of TRANSFORMERS Testing laboratory at ELPROM Heavy Industries JSC, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the TRANSFORMERS Testing laboratory at ELPROM Heavy Industries JSC is obliged to return to EA BAS the originals of accreditation certificate reg. № 243 ЛИ/29.07.2022, valid until 29.07.2026 and its enclosure, EA BAS order reg. № А 485/29.07.2022.

This order shall be notified to the head of TRANSFORMERS Testing laboratory at ELPROM Heavy Industries JSC, within 3 (three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

Executive Director
of Executive Agency Bulgarian Accreditation Service