REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 443

Sofia, 29.11.2024

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, 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 an open procedure reg. № 27/66 ЛИ/ПА/РО/03.04.2024, assessment report reg. № 27/66 ЛИ/5/В/28.06.2024, annex reg. № 27/66 ЛИ/9/В/15.08.2024 and statement of the Accreditation Commission reg. № 27/66 ЛИ/ПА/РО/11/В/28.10.2024, I hereby

RE-ACCREDIT AN EXTEND THE SCOPE OF ACCREDITATION

of SAMEL-90 PLC, SAMOKOV

TESTING LABORATORY

Management and laboratory address: 2000, Samokov, 18 Prespa 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.	Radio equipment, telecommunication terminal equipment, electrical, mechanical and optical products.	1.1. Environment resistance test. Test A: Cold 1.1.1. outward appearance, availability of external changes; 1.1.2. Functionality during the test and after it.	БДС EN 60068-2-1
		1.2. Environment resistance test. Test B: Dry heat 1.2.1. outward appearance, availability of external changes; 1.2.2. Functionality during the test and after it.	БДС EN 60068-2-2
		1.3. Environment resistance test. Test N: Temperature changes 1.3.1. outward appearance, availability of external changes; 1.3.2. Functionality during the test and after it.	БДС EN 60068-2-14
		1.4. Environment resistance test.	БДС EN 60068-2-30

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
		Test Db: Humid heat, cyclically 1.4.1. outward appearance, availability of external changes; 1.4.2. Functionality during the test and after it.	
		1.5. Environment resistance test. Test Cab: Humid heat, constant mode 1.5.1. outward appearance, availability of external changes; 1.5.2. Functionality during the test and after it.	БДС EN 60068-2-78
		1.6. Test of external factors effects. Frost and dew resistance. 1.6.1. outward appearance, availability of external changes; 1.6.2. Functionality during the test and after it.	БДС 16487
		1.7. Environment resistance test. Test M: Low atmospheric pressure 1.7.1. outward appearance, availability of external changes; 1.7.2. Functionality during the test and after it.	БДС EN 60068-2-13
		1.8. Environment resistance test. Test K: Salt mist 1.8.1. outward appearance, availability of external changes; 1.8.2. Functionality during the test and after it.	БДС EN 60068-2-11
		1.9 Verification of the protection stages, provided by the cover (IP code)	БДС 60529+A1 БДС EN 60529/A2 БДС EN 60529/AC-12 БДС EN 60529/A2 /AC-02
		1.9.1.Against penetrating of solid outside bodies, designation by the first characteristic number	cl. 13
		1.9.2. Against water penetrating designation by the second characteristic number.	cl. 14
		1.9.3. Against access to dangerous areas, denoted by adding additional letter.	cl. 15
		1.10. Environment resistance test. Test FC: Vibrations	БДС EN 60068-2-6

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
		1.10.1. outward appearance, availability of external changes; 1.10.2. Functionality during the test and after it.	
		1.11 Degrees of protection provided by the enclosure for electrical equipment against external mechanical impacts (IK code)	БДС EN 62262 БДС EN 62262/A1
2.	Electrotechnical devices operating at a voltage not higher then 1 kV A.C. or 1,5 kV D.C.	2.1 Test the electrical strength of the AC voltage insulation. Testing of electrical insulation strength with constant and alternating voltage	БДС EN 61180 cl. 5 and cl. 6
3.	Active wideband equipment for coaxial cable networks up to 900 MHz	3.1.Frequency range. 3.2.Reinforcement. 3.3. Unevenness of amplitude-frequency characteristic.	БДС EN 60728-3 cl. 5.4 cl. 5.6 cl. 5.7
4.	Passive wideband equipment for coaxial cable networks up to 900 MHz	4.1. Attenuation. 4.2. Transient attenuation. 4.3.Disolution	БДС EN 60728-4 cl. 4.1 cl. 4.2 cl. 4.3
5.	Electronic transformers for power supply of lightings from 10 W up to 105 W	5.1. Output voltage. 5.2.Full power. 5.3.Power factor. 5.4.Supply current.	БДС EN 61047 cl. 7 cl. 8 cl. 9 cl. 10
6.	Field telephone devices (TAP).	6.1. Electrical tests: 6.1.1. Input resistance 6.1.2. Attenuation 6.1.3. Own noise level 6.1.4. Consumption. 6.2. Electroacoustic tests 6.2.1. Transmission coefficient and frequency response. 6.2.2. Coefficient of acceptance 6.2.3. Sound pressure level and protection against acoustic shock. 6.3. Safety test 6.3.1. Electrical resistance of the insulation 6.3.2. Electrical strength of the insulation 6.4. Telephonometric tests: Local effect, at load with output line with attenuation 20dB for frequency 800Hz.	ВЛМИ № 2/2006 item 4.2.2 item 4.2.3 item 4.2.4 item 4.2.5 item 4.4.1; item 4.4.2 item 4.4.3 item 4.4.4; item 4.4.5 item 4.5.1 item 4.5.2 item 4.3.1
7.	Jamming transmitters	7.1. Electrical tests: 7.1.1. Frequency range 7.1.2. Power supply voltage	ВЛМИ № 3/2006 item 4.2.5 item 4.2.1

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
		7.1.3. Output power 7.1.4. Current consumption. 7.1.5. Output level Urms of the transmitter on antenna equivalent at Rt = 50Ω 7.2. Overall dimensions (length, width, height and diameter) and weight.	item 4.2.7 item 4.2.6 item 4.2.4 item 4.1.2; item 4.1.3
8.	LED LIGHTS 8.1. Stationary luminaires for general lighting 8.2. Recessed luminaires 8.3. Street and road luminaires 8.4. General purpose portable luminaires 8.5. Spotlights 8.6. Portable park lights 8.7. Handheld luminaires 8.8. Portable luminaires, attractive for children 8.9. Lighting for photo and cinema (non-professional) 8.10. Stage lighting fixtures, television film studios and cinema studios (for outdoor and indoor installation) 8.11. Emergency lighting luminaires 8.12. Light garlands 8.13. Luminaires with temperature limitation on the surface of the housing 8.14. Luminaires for use in hospitals and healthcare facilities	8.1 Announced voltage; 8.2 Operating current; 8.3 Active power; 8.4 Power factor.	БДС EN 13032-4+A1, cl. 4.3
		8.5 Light intensity, light distribution (light distribution curve and light yield)	БДС EN 13032-1+A1, cl. 5.2; cl. 5.4 БДС EN 13032-4+A1, cl. 6.2, cl. 6.4; cl. 6.5
		8.6 Illumination	БДС EN 13032-1+A1, cl. 5.6; cl. 6.1.4
		8.7 Brightness	БДС EN 13032-4+A1, cl. 6.7

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.*

Fixed scope references:

ВЛМИ № 2:2006 ВЛМИ for testing of Field Telephone device.
ВЛМИ № 3:2006 ВЛМИ for testing of transmitters of radio jamming.

I ORDER

To issue the certificate of accreditation reg. № 66 ЛИ/29.11.2024, valid until 29.11.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the director of SAMEL-90 PLC, Samokov, the head of Testing Laboratory at SAMEL-90 PLC, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 66 ЛИ/30.11.2020, valid until 30.11.2024 and its enclosure – EA BAS order reg. № A 704/30.11.2020.

This order shall be notified to SAMEL-90 PLC, Samokov within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS