List of activities within the flexible scope of accreditation

Accredited Body: EGU - HV Laboratory a.s.

CAB Name: EGU HV LABORATORY

CAB Number: 1029

Certificate of Accreditation No.: 8/2025

Field of Accreditation: Testing laboratory – ČSN EN ISO/IEC 17025:2018 **Updated**: 6. 1. 2026

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
3.10	Tests with lightning impulse voltage	IEC 61325, cl. 14	Ceramic or glass insulators	A, D
1.1	DC voltage tests	IEC 61325, cl. 15	Equipment with highest voltage for equipment above 1 kV	A, D
10.1	Impulse voltage puncture test and alternating voltage test	IEC 61325, cl. 17	Insulators	A, D
18.4	Verification of dimensions, displacement, contact angle and locking systems	IEC 61325, cl. 22, 27, 28	Ceramic or glass insulators	A, D
14.3	Mechanical force tests (tension, bending, impact)	IEC 61325, cl. 23, 24, 26, 35	Ceramic or glass insulators	A, D
16.2	Thermal - mechanical tests	IEC 61325, cl. 25	Ceramic or glass insulators	A, D
17.2	Temperature cycle tests	IEC 61325, cl. 29, 30	Ceramic or glass insulators	A, D
13.2	Test for the core material (dye penetration test and water diffusion test)	IEC 61325, cl. 31	Ceramic or glass insulators	A, D
20.1	Determination of the coating mass by the magnetic test method	IEC 61325, cl. 32	Ceramic or glass insulators	A, D
14.8	Mechanical force tests (tension, bending, impact)	IEC 61462, cl. 8.5	Composite hollow insulators Composite hollow core station post insulators	A, D
8.6	Measurement of partial discharges and loss factor	IEEE C57.19.00	Bushings	D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
13.6	Test for the core material (dye penetration test and water diffusion test)	IEC 62217 ed.3.0 cl. 9.4.4	Polymeric insulators for indoor and outdoor use	A
18.10	Verification of dimensions, displacement, contact angle and locking systems	IEC 62217 ed.3.0 cl. 9.3.5.3	Polymeric insulators for indoor and outdoor use	A
2.18	AC voltage tests	IEC 61109, ed 3.0, cl. 10, 10.1, 10.2, table 4	Composite suspension and tension insulators	A
3.14	Tests with lightning impulse voltage	IEC 61109, ed 3.0, cl. 10, 10.1, 10.2, table 4	Composite suspension and tension insulators	A
4.12	Tests with switching impulse voltage	IEC 61109, ed 3.0, cl. 10, 10.1, 10.2, table 4	Composite suspension and tension insulators	A
6.6	Dielectric artificial pollution tests	IEC 61109, ed 3.0, cl. 9.1, 9.2.2	Composite suspension and tension insulators	A
12.3	Design tests of interface and connection of end fittings	IEC 61109 ed. 3.0, cl. 9.1, 9.2.1, 9.3.2, 9.3.3;	Composite suspension and tension insulators	A
13.1	Test for the core material (dye penetration test and water diffusion test)	IEC 61109 ed. 3.0, cl. 9.1, 9.2.3	Composite suspension and tension insulators	A
14.5	Mechanical force tests (tension, bending, impact)	IEC 61109 ed. 3.0, cl. 12;	Composite suspension and tension insulators	A
15.1	Assembled core load-time tests	IEC 61109 ed. 3.0, cl. 9.4, 10.3, 11.4;	Composite suspension and tension insulators	A
16.4	Thermal - mechanical tests	IEC 61109 ed. 3.0, cl. 9.3.3	Composite suspension and tension insulators	A
18.6	Verification of dimensions, displacement, contact angle and locking systems	IEC 61109 ed. 3.0, cl. 11.2, 11.3, 7;	Composite suspension and tension insulators	A
20.3	Determination of the coating mass by the magnetic test method	IEC 61109 ed. 3.0, cl. 11.5	Composite suspension and tension insulators	A
1.1	DC voltage tests	IEC 60060-1 ed.4, cl. 5;	High voltage test techniques	A, D
2.1	AC voltage tests	IEC 60060-1 ed.4, cl. 6;	High voltage test techniques	A, D
3.1	Tests with lightning impulse voltage	IEC 60060-1 ed.4, cl. 7;	High voltage test techniques	A, D
4.1	Tests with switching impulse voltage	IEC 60060-1 ed. 4, cl. 8;	High voltage test techniques	A, D
5.1	Combined and composite high voltage tests	IEC 60060-1 ed. 4, cl. 9, 10;	High voltage test techniques	A, D

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Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Subject of the test	Degrees of freedom[3]
13.6	Test for the core material (dye penetration test and water diffusion test)	IEC/TR 62039 ed. 2, cl. 4.8	Selection guidelines for polymeric materials for outdoor use	A
6.10	Dielectric artificial pollution tests	IEC 62217 ed. 3.0, cl. 9.3.3	Polymeric insulators for indoor and outdoor use	A
12.6	Design tests of interface and connection of end fittings	IEC 62217 ed. 3.0, cl. 9.2	Polymeric insulators for indoor and outdoor use	A
13.6	Test for the core material (dye penetration test and water diffusion test)	IEC 62217 ed. 3.0, cl. 9.4, 9.5	Polymeric insulators for indoor and outdoor use	A
18.6	Verification of dimensions, displacement, contact angle and locking systems	IEC 62217 ed. 3.0, cl. 8	Polymeric insulators for indoor and outdoor use	A
19.2	Hardness test of shed and housing material (Shore)	IEC 62217 ed. 3.0, cl. 9.3.1;	Polymeric insulators for indoor and outdoor use	A

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

[3] degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Explanations and abbreviations:

ANSI - American National Standards Institute
AS - Australian Standard
CAN/CSA - Canadian Standard
IEEE - Standard published by an international non-profit professional organization
IP - Internal Testing Procedure
NEMA - National Electrical Manufacturers Association
NTC - Colombian Standard
HD - Harmonized Document
GR No. 291/2015 Coll.- on health protection against non-ionising radiation
PNE - Branch standard
MoH CR Bulletin No. 8/2017 - Guideline for the procedure pursuant to Sections 35 and 36 of Act No. 258/2000 Coll., on the protection of public health and on the amendment of certain related acts, as amended, and Government Decree No. 291/2015 coll., on the protection of health against non-ionizing radiation