



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 309/2022

EGU - HV Laboratory a.s.
with registered office Podnikatelská 267, 190 11 Praha 9 - Běchovice, Company Registration
No. 25634330

to the Testing Laboratory No. 1029
EGU HV LABORATORY

Scope of accreditation:

High-voltage tests, measurement of high-frequency interference, voltage and dielectric tests of electric objects and equipment and mechanical tests of insulators to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 165/2021 of 12. 3. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: 12. 3. 2026

Prague: 22. 6. 2022



Lukáš Burda
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

**The Appendix is an integral part of
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The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities provided within the flexible scope of accreditation is available at the laboratory from the Quality Manager.

The Laboratory provides expert opinions and interprets test results.

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
1	DC voltage tests	IEC 60060-1 ed. 3, chapt. 5 ČSN EN 60060-1, chapt. 5 IEEE 4-2013, chapt. 7	Equipment with highest voltage for equipment above 1 kV
		IEEE Std 386-2016, cl. 7.5.2	Separable insulated connectors for voltage systems over 600 V
		IEC/EN 61180-1 ed. 1, sect. 4 ČSN EN 61180-1, sect. 4	Low-voltage equipment
		IEC/EN 60077-1 ed. 2.0, cl. 9.3.3 ČSN EN 60077-1 ed. 2, cl. 9.3.3 IEC/EN 60077-2 ed. 1, cl. 9.3.3 ČSN EN 60077-2 ed. 2, cl. 9.3.3 EN 50124-1, cl. 7.5 ČSN EN 50124-1, cl. 7.5	Railway equipment
		IEC/EN 61442 ed. 2, chapt. 5 ČSN EN 61442, chapt. 5 HD 629.1 S1, chapt. 7 ČSN 34 7006 ed. 2, chapt. 7 HD 629.2 S1, chapt. 7 ČSN 34 7007 ed. 2, chapt. 7	Cable accessories
		IEC 62497-1, Ed. 1.1, cl. 7.5	Switchgear and controlgear
		IEC 62848-1, cl. 6.2.5	Railway applications - DC surge arresters
2	AC voltage tests	IEC 60060-1 ed. 3, chapt. 6 ČSN EN 60060-1, chapt. 6 IEEE 4-2013, chapt. 6	Equipment with highest voltage for equipment above 1 kV
		IEEE Std 386-2016, cl. 7.5.1	Separable insulated connectors for voltage systems over 600 V
		IEC/EN 60076-3 ed. 3, chapt. 10, 11, 12 ČSN EN 60076-3 ed. 3, chapt. 10, 11, 12	Power transformers



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC/EN 60077-1 ed. 2.0, cl. 9.3.3 ČSN EN 60077-1 ed. 2, cl. 9.3.3 IEC/EN 60077-2 ed. 1, cl. 9.3.3 ČSN EN 60077-2 ed. 2, cl. 9.3.3 IEC 61992-3 ed. 2, cl. 8.3.3 EN 50124-1, cl. 7.4 ČSN EN 50124-1, cl. 7.4 ČSN EN 50345 ed. 2, cl. 6.2.3, 6.3.3	Railway equipment
		ČSN EN 50123-1 ed. 2, cl. 7.5.2	Railway applications - DC switchgear
		ČSN EN 60099-1, sect. 6	Surge arresters
		IEC/EN 60099-4 ed. 3, cl. 8.2, 11.8.2 ČSN EN 60099-4 ed. 3, cl. 8.2, 11.8.2 IEC 60099-8, cl. 8.2.3.3 IEEE Std. C62.11, cl. 8.1	Metal-oxide surge arresters
		EN 3-7+A1, cl. 9, Annex C ČSN EN 3-7+A1, chapt. 9, Annex C	Portable extinguishers
		IEC/EN 60137 ed.7, cl. 8.2, 8.3, 9.4, 9.6 ČSN EN 60137 ed. 4, cl. 8.2, 8.3, 9.4, 9.6 IEEE Std. C57.19.01, tab. 1, A.1 IEEE Std. C57.19.00, cl. 7.2, 7.4	Bushings
		IEC/EN 60168/A1, A2 ed. 4.2, sect. 4, cl. 4.7, 4.8 ČSN EN 60168/A1, A2, sect. 4, cl. 4.7, 4.8 AS 4398.2-2005, sect. 4, 4.7, 4.8 CAN/CSA C156.1-18, cl. 9.2.3	Station post insulators
		IEC/EN 60076-3 ed. 3, ch.10,11,12 ČSN EN 60076-3 ed. 3, ch.10,11,12 IEC 60076-6 ed. 1, cl. 11.8.8 ČSN IEC 60076-6, cl. 11.8.8	Reactors
		IEC/EN 60383-1 ed. 4, sec.4, chapt. 14 ČSN IEC 60383-1, sec.4, chapt. 14 ANSI C29.3, cl. 8.2.1, 8.2.2 AS/NZS 2947.1, chapt. 14 AS 3609-2005, cl. 2.2, 4.2	Ceramic or glass insulators
		IEC/EN 60383-2 ed. 1, sect.2, ch. 10 ČSN EN 60383-2, sect. 2, ch. 10 AS/NZS 2947.4, sect. 2, ch. 10	Insulator strings and insulator sets
		IEC/EN 60660 ed. 2, chapt. 2, cl. 2.5, 3.4 ČSN EN 60660, chapt. 2, cl. 2.5, 3.4	Post insulators of organic materials



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC 62271-103 ed. 2.0, cl. 7.2 IEC 62271-104 ed. 3, cl. 7.2 ČSN EN 62271-1 ed. 2/A1, chapt. 7.2, Annex E, F ČSN EN 62271-103, cl. 7.2 ČSN EN 62271-104 ed. 3, cl. 7.2 IEEE Std C37.30.1-2001, cl. 8.1.1	Switchgear and controlgear
		IEC/EN 61057 ed. 2, cl. 6.6, 6.7 ČSN EN 61057 ed. 2/Corr. 1, 2, chapt. 6	Insulating working platforms
		IEC/EN 61109 ed. 2, chapt. 11, cl. 11.1, Tab. 3 ČSN EN 61109, chapt. 11, cl. 11.1, tab. 3 AS 4435.1, chapt. 6 NTC 5651, cl. 8.1.2	Composite insulators
		IEC/EN 61180-1 ed. 1, sect. 5 ČSN EN 61180-1, sect. 5	Low-voltage equipment
		IEC/EN 61869-1 ed. 1, cl. 7.2.4, 7.3.1, 7.3.3, 7.3.4 ČSN EN 61869-1, cl. 7.2.4, 7.3.1, 7.3.3, 7.3.4 IEC/EN 61869-2 ed. 1, cl. 7.2.4, 7.3.1, 7.3.3, 7.3.4 ČSN EN 61869-2, cl. 7.2.4, 7.3.1, 7.3.3, 7.3.4	Instrument transformers
		IEC/EN 61869-3 ed. 1, cl. 7.3.1 ČSN EN 61869-3, cl. 7.3.1	Instrument transformers - inductive voltage transformers
		IEC 61869-4 ed. 1, cl. 7.3.1	Instrument transformers - combined transformers
		IEC/EN 61869-5 ed. 1, cl. 7.2.4, 7.3.1 ČSN EN 61869-5, cl. 7.2.4, 7.3.1	Instrument transformers - capacitor voltage transformers
		IEC/EN 61952 ed. 2, chapt. 11, tab. 3 ČSN EN 61952 ed. 2, chapt. 11, tab. 3 AS 4435.4, cl. 7.2 CAN/CSA C411.6-11, cl. 6.2	Composite line post insulators for overhead lines
		IEC EN 62231 ed. 1, cl. 9.2.2 ČSN EN 62231, cl. 9.2.2 ANSI C29.19, cl. 8.1 CAN/CSA C156.2-18, cl. 6.2	Composite station post insulators
		IEC/EN 62271-100 ed. 2, cl. 6.2, 7.1, 7.2 ČSN EN 62271-100 ed. 2, cl. 6.2, 7.1, 7.2	High-voltage alternating-current circuit breakers

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		IEC/EN 62271-102 ed. 2.0/A1, A2 ed. 1, cl. 7.2, 8.1, 8.2 ČSN EN 62271-102, A1, A2, cl. 6.2, 7.1, 7.2 IEC 62497-1 Ed. 1.1, cl. 7.4	Disconnectors and earthing switches
		IEC/EN 62271-105 ed. 2, cl. 6.2 ČSN EN 62271-105 ed. 2, cl. 6.2 IEEE Std. C37.42, cl. 6.1	Alternating current switch-fuse combinations
		IEEE C37.41, cl. 8.2, 8.3	Fuses and accessories over 1 kV
		IEC/EN 62271-200 ed. 2, cl. 6.2, 7.1 ČSN EN 62271-200 ed. 2, cl. 6.2, 7.1	Metal-enclosed switchgear and controlgear
		IEC/EN 62271-203 ed. 2, cl. 6.2, 7.1 ČSN EN 62271-203, cl. 6.2, 7.1	Gas-insulated metal-enclosed switchgear
		IEC 62772, cl. 9.4	Composite hollow core station post insulators
		ANSI C29.1, cl. 4.2, 4.3, 4.4, 4.5	Insulators
		ANSI C29.2A, cl. 8.2.3, 8.2.4 ANSI C29.2B, cl. 8.2.1, 8.2.2	Suspension type insulators - porcelain or glass
		ANSI C29.4, cl. 8.2.1, 8.2.2	Porcelain insulators
		ANSI C29.5, cl. 8.2.1, 8.2.2 ANSI C29.6, cl. 8.2.1, 8.2.2 ANSI C29.7, cl. 8.2.1, 8.2.2	Porcelain insulators (pin type & line-post type)
		ANSI C29.9, cl. 8.2.1	Ceramic insulators - apparatus and post-type
		ANSI C29.11, cl. 8.1, 8.2.1, 8.2.2, 8.2.3, 8.2.4	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 9.1, 9.2	Composite insulators of distribution deadend type
		ANSI C.29.17, cl. 8.1, 8.2 ANSI C29.18, cl. 9.1, 9.2	Composite line post insulators
		CAN/CSA-C411.1, cl. 6.3, 6.4	Suspension insulators
		ANSI C.29.12, cl. 9.1, 9.2 CAN/CSA-C411.4-16, cl. 6.3	Composite suspension insulators



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		IEC/EN 61442 ed. 2, chapt. 4 ČSN EN 61442, chapt. 4 HD 629.1 S1, chapt. 7 ČSN 34 7006 ed. 2, chapt. 7 HD 629.2 S1, chapt. 7 ČSN 34 7007 ed. 2, chapt. 7	Cable accessories
		IEC 62271-103 ed. 1, cl. 6.2 ČSN EN 62271-103, cl. 6.2	Switches
		IEC/EN 61243-5 ed. 1, cl. 5.3, 5.6, 5.6.1, 5.6.2 ČSN EN 61243-5, cl. 5.3, 5.6, 5.6.1, 5.6.2	Voltage detecting systems (VDS)
		IEC 60502-2, cl. 16.4, 18.2.9	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 9.3, 12.4.7	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 9.3, 12.4.7.2	Power cables from 150 kV up to 500 kV
3	Tests with lightning impulse voltage	IEC 60060-1 ed. 3, chapt. 7 ČSN EN 60060-1, chapt. 7 IEEE 4-2013, chapt. 8	Equipment with highest voltage for equipment above 1 kV
		IEEE Std 386-2016, cl. 7.5.3	Separable insulated connectors for voltage systems over 600 V
		IEC/EN 60076-3 ed. 3, chapt. 13 ČSN EN 60076-3 ed. 3, chapt. 13 IEC/EN 60076-4 ed. 1, chapt. 7, cl. 9.1 ČSN EN 60076-4, chapt. 7, cl. 9.1	Power transformers
		IEC/EN 60077-1 ed. 2.0, cl. 9.3.3 ČSN EN 60077-1 ed. 2, cl. 9.3.3 IEC/EN 60077-2 ed. 1, cl. 9.3.3 ČSN EN 60077-2 ed. 2, cl. 9.3.3 IEC 61992-3 ed. 2, cl. 8.3.3 EN 50124-1, cl. 7.3 ČSN EN 50124-1, cl. 7.3 ČSN EN 50345 ed. 2, cl. 6.3.2	Railway equipment
		IEC 62848-1, cl. 6.2.4	Railway applications - DC surge arresters
		ČSN 35 3054	High-voltage and extra high-voltage switchgear
		ČSN EN 60099-1, cl. 8.3	Surge arresters

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		IEC/EN 60099-4 ed. 3, cl. 8.2, 11.8.2 ČSN EN 60099-4 ed. 3, cl. 8.2, 11.8.2 IEC 60099-8, cl. 8.2.2, 8.4, 10.5.3 IEEE Std. C62.11, cl. 8.1	Metal-oxide surge arresters
		IEC/EN 60137 ed.7, cl. 8.4, 9.3 ČSN EN 60137 ed. 4, cl. 8.4, 9.3 IEEE Std. C57.19.01, tab. 1, A.1 IEEE Std. C57.19.00, cl. 7.2	Bushings
		IEC/EN 60168/A1, A2 ed. 4.2, sect. 4, cl. 4.5 ČSN EN 60168/A1, A2, sect. 4, cl. 4.5 AS 4398.2-2005, sect. 4, cl. 4.5 CAN/CSA C156.1-18, cl. 9.2.2	Station post insulators
		IEC/EN 60076-3 ed. 3, chapt. 13 ČSN EN 60076-3 ed. 3, chapt. 13 IEC/EN 60076-4 ed. 1, chapt. 7, cl. 9.1 IEC 60076-6 ed. 1, cl. 11.8.8 ČSN EN 60076-4, chapt. 7, cl. 9.1 ČSN IEC 60076-6, cl. 11.8.8	Reactors
		IEC/EN 60383-1 ed. 4, sect. 4, ch. 13 ČSN IEC 60383-1 sect. 4, chapt. 13 AS/NZS 2947.1, chapt. 13	Ceramic or glass insulators
		IEC/EN 60383-2 ed. 1, sect. 2, ch. 9 ČSN EN 60383-2, sect. 2, chapt. 9 AS/NZS 2947.4, sect. 2, chapt. 9	Insulator strings and insulator sets
		IEC/EN 60660 ed. 2, chapt. 2, cl. 2.4, 3.3 ČSN EN 60660, chapt. 2, cl. 2.4, 3.3	Post insulators of organic materials
		IEC/EN 62271-103 ed. 2.0, cl. 7.2 IEC 62271-104 ed. 3, cl. 7.2 ČSN EN 62271-1 ed. 2/A1, chapt. 7.2, Annex E, F ČSN EN 62271-103, cl. 7.2 ČSN EN 62271-104 ed. 3, cl. 7.2 IEEE Std C37.30.1-2001, cl. 8.1.2	Switchgear and controlgear
		IEC/EN 61109 ed. 2, chapt. 11, cl. 11.1, tab. 3 ČSN EN 61109, chapt. 11, cl. 11.1, tab. 3 AS 4435.1, chapt. 6 NTC 5651, cl. 8.1.1	Composite insulators
		IEC/EN 61180-1 ed. 1, sect. 6 ČSN EN 61180-1, sect. 6	Low-voltage equipment



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		IEC/EN 61243-5 ed. 1, cl. 5.3 ČSN EN 61243-5, cl. 5.3	Voltage detecting systems (VDS)
		IEC/EN 61869-1 ed. 1, cl. 7.2.3, 7.4.1, 7.4.2 ČSN EN 61869-1, cl. 7.2.3, 7.4.1, 7.4.2 IEC/EN 61869-2 ed. 1, cl. 7.2.3, 7.4.1, 7.4.2 ČSN EN 61869-2, cl. 7.2.3, 7.4.1, 7.4.2	Instrument transformers
		IEC/EN 61869-3 ed. 1, cl. 7.2.3, 7.2.3.2 ČSN EN 61869-3, cl. 7.2.3, 7.2.3.2	Instrument transformers - inductive voltage transformers
		IEC 61869-4 ed. 1, cl. 7.2.3	Instrument transformers - combined transformers
		IEC/EN 61869-5 ed. 1, cl. 7.2.3, 7.4.1 ČSN EN 61869-5, cl. 7.2.3, 7.4.1	Instrument transformers - capacitor voltage transformers
		IEC/EN 61952 ed. 2, chapt. 11, tab. 3 ČSN EN 61952 ed. 2, chapt. 11, tab. 3 ANSI C29.17, cl. 8.3 ANSI C29.18, cl. 9.3 AS 4435.4, cl. 7.2 CAN/CSA C411.6-11, cl. 6.3	Composite line post insulators for overhead lines
		IEC EN 62231 ed. 1, cl. 9.2.1 ČSN EN 62231, cl. 9.2.1 ANSI C29.19, cl. 8.2, 8.3 CAN/CSA C156.2-18, cl. 6.3	Composite station post insulators
		IEC/EN 62271-100 ed. 2, cl. 6.2 ČSN EN 62271-100 ed. 2, cl. 6.2	High-voltage alternating-current circuit breakers
		IEC/EN 62271-102 ed. 2.0/A1, A2 ed. 1, cl. 7.2 ČSN EN 62271-102 A1, A2, cl. 6.2 IEC 62497-1 ed. 1.1, cl. 7.3	Disconnectors and earthing switches
		IEC/EN 62271-105 ed. 2, cl. 6.2 ČSN EN 62271-105 ed. 2, cl. 6.2 IEEE Std. C37.42, cl. 6.1	Alternating current switch-fuse combinations
		IEEE C37.41, cl. 8.5	Fuses and accessories over 1 kV
		IEC/EN 62271-200 ed. 2, cl. 6.2 ČSN EN 62271-200 ed. 2, cl. 6.2	Metal-enclosed switchgear and controlgear
		IEC/EN 62271-203 ed. 2, cl. 6.2, 7.1 ČSN EN 62271-203 ed. 2, cl. 6.2, 7.1	Gas-insulated metal-enclosed switchgear

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC 62772, cl. 9.4	Composite hollow core station post insulators
		ANSI C29.1, cl. 4.7, 4.8	Insulators
		ANSI C29.2A, cl. 8.2.5 ANSI C29.2B, cl. 8.2.3	Suspension type insulators - porcelain or glass
		ANSI C29.5, cl. 8.2.3 ANSI C29.6, cl. 8.2.3 ANSI C29.7, cl. 8.2.3	Porcelain insulators (pin type & line-post type)
		ANSI C29.9, cl. 8.2.2, 8.2.3	Ceramic insulators - apparatus and post-type
		ANSI C29.11, cl. 8.1, 8.2.6, 8.2.7	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 9.3	Composite insulators of distribution deadend type
		CAN/CSA-C411.1, cl. 6.5	Suspension insulators
		ANSI C29.12, cl. 9.3 CAN/CSA-C411.4-16, cl. 6.2	Composite suspension insulators
		IEC/EN 61442 ed. 2, chapt. 6 ČSN EN 61442, chapt. 6 HD 629.1 S1, chapt. 7 ČSN 34 7006, ed. 2, chapt. 7 HD 629.2 S1, chapt. 7 ČSN 34 7007, ed. 2, chapt. 7	Cable accessories
		ČSN EN 50123-1 ed. 2, cl. 7.5.1	Railway applications - DC switchgear
		IEC 62271-103 ed. 1, cl. 6.2 ČSN EN 62271-103, cl. 6.2	Switches
		IEC 60230, cl. 10	Cables and accessories
		IEC 60502-2, cl. 18.2.8	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 12.4.7	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 12.4.7.2	Power cables from 150 kV up to 500 kV
4	Tests with switching impulse voltage	IEC 60060-1 ed. 3, chapt. 8 ČSN EN 60060-1, chapt. 8 IEEE 4-2013, chapt. 8	Equipment with highest voltage for equipment above 1 kV
		IEC/EN 61869-2 ed. 1, cl. 7.2.3, 7.2.4 ČSN EN 61869-2, cl. 7.2.3, 7.2.4	Instrument transformers



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		IEC/EN 60076-3 ed. 3, chapt. 14 ČSN EN 60076-3 ed. 3, chapt. 14 IEC/EN 60076-4 ed. 1, ch. 8, cl. 9.2 ČSN EN 60076-4, chapt. 8, cl. 9.2	Power transformers
		ČSN EN 60099-1, cl. 8.3	Surge arresters
		IEC/EN 60099-4 ed. 3, cl. 8.2, 11.8.2 ČSN EN 60099-4 ed. 3, cl. 8.2, 11.8.2 IEC 60099-8, cl. 8.2.3.2 IEEE Std. C62.11, cl. 8.1	Metal-oxide surge arresters
		IEC/EN 60137 ed. 6, cl. 8.4 ČSN EN 60137 ed. 4, cl. 8.5 IEEE Std. C57.19.01, tab. 1, A.1 IEEE Std. C57.19.00, cl. 7.2	Bushings
		IEC/EN 60168/A1, A2 ed. 4.2, sect. 4, cl. 4.6 ČSN EN 60168/A1 A2, sect. 4, cl. 4.6 AS 4398.2-2005, sect. 4, cl. 4.6	Station post insulators
		IEC/EN 60383-2 ed. 1, sect. 2, ch. 11 ČSN EN 60383-2, sec. 2, chapt. 11 AS/NZS 2947.4, sect. 2, chapt. 11	Insulator strings and insulator sets
		IEC 62772, cl. 9.5	Composite hollow core station post insulators
		IEC 62271-104 ed. 3, cl. 7.2 ČSN EN 62271-1 ed. 2/A1, chapt. 7.2, Annex E, F ČSN EN 62271-104 ed. 3, cl. 7.2 IEEE Std C37.30.1-2001, cl. 8.1.4	Switchgear and controlgear
		IEC/EN 61057 ed. 2.0, chapt. 6.6, 6.7 ČSN EN 61057 ed. 2, Corr. 1, 2, chapt. 6	Insulating working platforms
		IEC/EN 61109 ed. 2, ch. 11, cl. 11.1, tab. 3 ČSN EN 61109, chapt. 11, cl. 11.1, tab. 3 AS 4435.1, chapt. 6	Composite insulators
		IEC/EN 61869-1 ed. 1, cl. 7.2.3, 7.2.4 ČSN EN 61869-1, cl. 7.2.3, 7.2.4	Instrument transformers
		IEC/EN 61869-3 ed. 1, cl. 7.2.3.3 ČSN EN 61869-3, cl. 7.2.3.3	Instrument transformers - inductive voltage transformers
		IEC 61869-4 ed. 1, cl. 7.2.3	Instrument transformers - combined transformers
		IEC/EN 61869-5 ed. 1, cl. 7.2.3, 7.2.4 ČSN EN 61869-5, cl. 7.2.3, 7.2.4	Instrument transformers - capacitor voltage transformers

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC/EN 61952 ed. 2, chapt. 11, tab. 3 ČSN EN 61952 ed. 2, chap. 11, tab. 3 AS 4435.4, cl. 7.2	Composite line post insulators for overhead lines
		IEC/EN 62271-100 ed. 2, cl. 6.2 ČSN EN 62271-100 ed. 2, cl. 6.2	High-voltage alternating-current circuit breakers
		IEC/EN 62271-102 ed. 2.0/A1, A2 ed. 1, cl. 7.2 ČSN EN 62271-102 A1, A2, cl. 6.2	Disconnectors and earthing switches
		IEC/EN 62271-103 ed. 2.0, cl. 7.2 ČSN EN 62271-103, cl. 7.2	Switches
		IEC/EN 62271-105 ed. 2, cl. 6.2 ČSN EN 62271-105 ed. 2, cl. 6.2	Alternating current switch-fuse combinations
		IEC/EN 62271-200 ed. 2, cl. 6.2 ČSN EN 62271-200 ed. 2, cl. 6.2	Metal-enclosed switchgear and controlgear
		IEC/EN 62271-203 ed. 2, cl. 6.2 ČSN EN 62271-203 ed. 2, cl. 6.2	Gas-insulated metal-enclosed switchgear
		ANSI C29.11, cl. 8.1, 8.2.5	Composite suspension insulators for overhead lines
		ČSN IEC 60230, cl. 10	Cables and accessories
		IEC 62067, cl. 12.4.7.1	Power cables from 150 kV up to 500 kV
5	Combined and composite high voltage tests	IEC 60060-1, ed. 3, chapt. 9 ČSN EN 60060-1, chapt. 9 IEEE 4-2013, cl. 10	Equipment with highest voltage for equipment above 1 kV
		IEEE Std C37.30.1-2001, cl. 8.1.3	Switchgear and controlgear
6	Dielectric artificial pollution tests	IEC 60507, ed. 3 ČSN EN 60507	Insulators
		IEC/TS 60815-1 ed. 1.0, Annex C	Insulators for overhead lines
		IEC/EN 61243-5 ed. 1, cl. 5.16, 5.16.2 ČSN EN 61243-5, cl. 5.16, 5.16.2	Voltage detecting systems (VDS)
		IEC 62271-103 ed. 2.0, cl. 7.2.9 ČSN EN 62271-103, cl. 7.2.9	Switches
		IEC/EN 60099-4 ed. 3, cl. 10.8.17.2 ČSN EN 60099-4 ed. 3, cl. 10.8.17.2	Metal-oxide surge arresters
		IEC/EN 61109 ed. 2, cl. 10.1, 10.2.2 ČSN EN 61109, cl. 10.1, 10.2.2	Composite insulators
		AS 4435.1, cl. 5.3	

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC 61442 ed. 2, chapt. 13 ČSN EN 61442, chapt. 13	Cable accessories
		IEC/EN 61462 ed. 1, cl. 7.3.3 ČSN EN 61462, cl. 7.3.3	Composite hollow insulators
		IEC/EN 61952 ed. 2, cl. 10.1, 10.2.2 ČSN EN 61952 ed. 2, cl. 10.1, 10.2.2 AS 4435.4, cl. 6.4.3 CAN/CSA C411.6-11, cl. 5.7 method 2	Composite line post insulators for overhead lines
		IEC/EN 62217 ed. 2, cl. 9.3.3 ČSN EN 62217 ed. 2, cl. 9.3.3	Polymeric insulators for indoor and outdoor use
		IEC 62772, cl. 8.4	Composite hollow core station post insulators
		IEC EN 62231 ed. 1, cl. 8.4 ČSN EN 62231, cl. 8.4 ANSI C29.19, cl. 7.3 CAN/CSA C156.2-18, cl. 5.7	Composite station post insulators
		ČSN EN 50345 ed. 2, cl. 6.2.4	Railway equipment
		ANSI C29.11, cl. 7.3	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 8.6	Composite insulators of distribution deadend type
		ANSI C29.17, cl. 7.3	Composite line post insulators
		IEC/TR 62730 ed. 1, cl. 7.1	Polymeric insulators for indoor and outdoor use
		ANSI C29.18, cl. 8.6, method 2	Composite line post insulators
		ANSI C29.12, cl. 8.3 CAN/CSA-C411.4-16, cl. 5.5 method 2	Composite suspension insulators
		IEEE C37.41, cl. 18.2.3	Fuses and accessories over 1 kV
7	Measurement of reference voltage	IP-1 IEC/EN 60099-4 ed. 3, cl. 7.2 ČSN EN 60099-4 ed. 3, cl. 7.2	Metal-oxide surge arresters
8	Measurement of partial discharges and loss factor	IEC/EN 60270 ed. 3.1 ČSN EN 60270	Electrical equipment, components and systems tested with AC voltage
		IEEE Std 386-2016, cl. 7.4	Separable insulated connectors for voltage systems over 600 V



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC/EN 60076-3 ed. 3, Annex A ČSN EN 60076-3 ed. 3, Annex A	Power transformers
		IEC/EN 60099-4 ed. 3, cl. 9.1 c), d), 12.8.17 ČSN EN 60099-4 ed. 3, cl. 9.1 c), d), 12.8.17	Metal-oxide surge arresters
		NTC 5651, cl. 8.1.3	Composite insulators
		IEC/EN 60137 ed.7, cl. 8.3, 9.2, 9.5 ČSN EN 60137 ed. 4, cl. 8.3, 9.2, 9.5 IEC 60137 ed.7, cl. 8.6 IEEE Std. C57.19.01, tab. 5, 6 IEEE Std. C57.19.00, cl. 7.2, 7.4	Bushings
		IEC/EN 60660 ed. 2, cl. 3.5, 5.4 ČSN EN 60660, cl. 3.5, 5.4	Post insulators of organic materials
		IEC/EN 61869-1 ed. 1, cl. 7.3.2, 7.4.3 ČSN EN 61869-1, cl. 7.3.2, 7.4.3 IEC/EN 61869-2 ed. 1, cl. 7.3.2, 7.4.3 ČSN EN 61869-2, cl. 7.3.2, 7.4.3	Instrument transformers
		IEC/EN 61869-3 ed. 1, cl. 7.3.2, 7.4.3 ČSN EN 61869-3, cl. 7.3.2, 7.4.3	Instrument transformers - inductive voltage transformers
		IEC/EN 61869-5 ed. 1, cl. 7.3.2, 7.2.501 ČSN EN 61869-5, cl. 7.3.2, 7.2.501	Instrument transformers - capacitor voltage transformers
		IEC/EN 62271-200 ed. 2, cl. 6.2.9, 7.101 ČSN EN 62271-200 ed. 2, cl. 6.2.9, 7.101 IEC/EN 62271-203 ed. 2, cl. 6.2.9, 7.1.102 ČSN EN 62271-203 ed. 2, cl. 6.2.9, 7.1.102	Gas-insulated metal-enclosed switchgear
		IEC/EN 61442 ed. 2, chapt. 7 ČSN EN 61442, chapt. 7 HD 629.1 S1, chapt. 7 ČSN 34 7006 ed. 2, chapt. 7 HD 629.2 S1, chapt. 7 ČSN 34 7007 ed. 2, chapt. 7	Cable accessories
		IEC 60502-2, cl. 16.3, 18.2.5, 18.2.6	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 9.2, 12.4.4, 12.4.5	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 9.2, 12.4.4, 12.4.5	Power cables from 150 kV up to 500 kV



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
9	Electromagnetic interference measurement	TR CISPR 18-2 ed. 3, cl. 4.5	Overhead power lines and high-voltage equipment
		IEC/EN 60099-4 ed. 3, cl. 8.14 ČSN EN 60099-4 ed. 3, cl. 8.14 IEEE Std. C62.11, cl. 8.10 IEC 60099-8, cl. 10.4	Metal-oxide surge arresters
		IEC/EN 60137 ed. 7, cl. 8.7 ČSN EN 60137 ed. 4, cl. 8.7 IEEE Std. C57.19.01, tab. 5 IEEE Std. C57.19.00, cl. 7.2, 7.4	Bushings
		IEC 60437 ed. 2 ČSN EN 60437	Insulators
		IEC/EN 61284 ed. 2, chapt. 14 ČSN EN 61284, chapt. 14	Fittings for overhead lines
		IEC/EN 61854 ed. 2, cl. 7.7 ČSN EN 61854, cl. 7.7	Spacers
		IEC/EN 61869-1 ed. 1, cl. 7.2.5, 7.2.5.1 ČSN EN 61869-1, cl. 7.2.5, 7.2.5.1 IEC/EN 61869-2 ed. 1, cl. 7.2.5, 7.2.5.1 ČSN EN 61869-2, cl. 7.2.5, 7.2.5.1	Instrument transformers
		IEC/EN 61869-5 ed. 1, cl. 7.2.5, 7.2.5.1 ČSN EN 61869-5, cl. 7.2.5, 7.2.5.1	Instrument transformers - capacitor voltage transformers
		IEC 61897 ed. 2.0, cl. 7.10	Vibration dampers
		ČSN EN 62271-1 ed. 2/A1, cl. 7.3, 7.9.1.1 IEC/EN 62271-104 ed. 3, cl. 7.3 ČSN EN 62271-104 ed. 3, cl. 7.3 IEEE Std C37.30.1-2001, cl. 8.7, 8.8	Switchgear and controlgear
		IEC/EN 62271-100 ed. 2, cl. 6.3 ČSN EN 62271-100 ed. 2, cl. 6.3	High-voltage alternating-current circuit breakers
		IEC/EN 62271-102 ed. 2.0/A1, A2 ed. 1, cl. 7.3 ČSN EN 62271-102 A1, A2, cl. 6.3	Disconnectors and earthing switches
		IEC/EN 62271-105 ed. 2, cl. 6.3 ČSN EN 62271-105 ed. 2, cl. 6.3 IEEE Std. C37.42, cl. 6.4	Alternating current switch-fuse combinations
		IEEE C37.41, cl. 10	Fuses and accessories over 1 kV
		ANSI C29.1, cl. 4.9	Insulators



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		ANSI C29.2A, cl. 8.2.6 ANSI C29.2B, cl. 8.2.4	Suspension type insulators - porcelain or glass
		ANSI C29.5, cl. 8.2.4 ANSI C29.6, cl. 8.2.4 ANSI C29.7, cl. 8.2.4	Porcelain insulators (pin type & line-post type)
		CAN/CSA C156.1-18, cl. 9.2.5	Station post insulators
		ANSI C29.9, cl. 8.2.4	Ceramic insulators - apparatus and post-type
		ANSI C29.11, cl. 8.2.8	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 9.4	Composite insulators of distribution deadend type
		ANSI C29.17, cl. 8.4 ANSI C29.18, cl. 9.4 CAN/CSA C411.6-11, cl. 6.4	Composite line post insulators
		ANSI C29.19, cl. 8.4 CAN/CSA C156.2-18, cl. 6.4	Composite station post insulator
		CAN/CSA-C411.1, cl. 6.7	Suspension insulators
		ANSI C29.12, cl. 9.4 CAN/CSA-C411.4-16, cl. 6.4	Composite suspension insulators
		NEMA No. 107	High-voltage equipment
		ANSI/NEMA CC 1-2018, cl. 3.3	Electric power connection for substations
10	Impulse voltage puncture test and alternating voltage test	IEC/EN 61211 ed. 2, chap. 5 ČSN EN 61211, chap. 5 ČSN IEC 60383-1, cl. 15-1 ANSI C29.1, cl. 4.11 (ANSI C29.2B, cl. 8.3.5 ANSI C29.5, cl. 8.3.5)	Insulators
		ČSN IEC 60168, cl. 4.9 CAN/CSA C156.1-18, cl. 9.3.7	Station post insulators
		CAN/CSA C411.1-16, cl. 6.6	AC suspension insulators
		IEC 60099-8, cl. 10.5.2	Metal-oxide surge arresters
11	Dielectric tests of protective and working equipment	PNE 35 9700 ed. 3, chapt. 4, 5	Dielectric protective and working tools



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		PNE 35 9700 ed. 3, chapt. 4, 5 (ČSN 35 9701)	Handling rods, fuse tongs, salvage hooks
		IEC 61243-1 ed. 3.0, chapt. 6, 7 ČSN EN 61243-1/A1, chapt. 6, 7 EN 61243-2/A1, A2 ed. 1.2, chapt. 5 ČSN EN 61243-2/A1, A2, Corr. 1, 2, chapt. 5	Voltage detectors
		IEC/EN 61243-5 ed. 1, cl. 5.2, 5.4, 5.7, 5.11, 5.16, 5.16.2, 5.17, 5.18.2, 5.22 ČSN EN 61243-5, cl. 5.2, 5.4, 5.7, 5.11, 5.16, 5.16.2, 5.17, 5.18.2, 5.22	Voltage detecting systems (VDS)
		IEC/EN 60832-1 ed. 1, cl. 5.7 ČSN EN 60832-1, cl. 5.7	Insulating poles and heads
		IEC 60855-1 ed. 1, cl. 8 ČSN EN 60855/Corr. 1, chapt. 8	Foam-filled insulating tubes and solid bars
		IEC/EN 61229 ed. 1.2, cl. 6.4 ČSN EN 61229, cl. 6.4	Fixed protective covers
		IEC/EN 61235 ed. 1, chapt. 9 ČSN EN 61235, Corr. 2 chapt. 9	Insulating hollow tubes
		IEC/EN 61478 ed. 1, cl. 6.5 ČSN EN 61478, cl. 6.5	Insulating ladders
		IEC/EN 61479 ed. 1, cl. 7.4 ČSN EN 61479, cl. 7.4	Flexible conductor covers
		ČSN EN 62193, chapt. 5, 6	Telescopic sticks
12	Design tests of interface and connection of end fittings	IEC/EN 60099-4 ed. 3, cl. 10.8.11.3.2 ČSN EN 60099-4 ed. 3, cl. 10.8.11.3.2	Overvoltage limiters
		IEC/EN 60660 ed. 2, cl. 3.10 ČSN EN 60660, cl. 3.10	Post insulators of organic material
		IEC/EN 61109 ed. 2, cl. 10.1, 10.2.1, 10.3.1, 10.3.2 ČSN EN 61109, cl. 10.1, 10.2.1, 10.3.1, 10.3.2 AS 4435.1, cl. 5.1 NTC 5651, cl. 8.3.2	Composite insulators
		IEC/EN 61462 ed. 1, cl. 7.2, 9.5 ČSN EN 61462, cl. 7.2, 9.5 IEC 62772, cl. 8.2	Composite hollow insulators Composite hollow core station post insulators



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC/EN 61952 ed. 2, cl. 10.1, 10.2.1, 10.3.1 ČSN EN 61952 ed. 2, cl. 10.1, 10.2.1, 10.3.1 AS 4435.4, cl. 6.2 CAN/CSA C411.6-11, cl. 6.4	Composite line post insulators for overhead lines
		IEC/EN 62217 ed. 2, cl. 9.2 ČSN EN 62217 ed. 2, cl. 9.2	Polymeric insulators for indoor and outdoor use
		IEC EN 62231 ed. 1, cl. 8.2 ČSN EN 62231, cl. 8.2 ANSI C29.19, cl. 7.1 CAN/CSA C156.2-18, cl. 5.2	Composite station post insulators
		ANSI C29.11, cl. 7.1	Composite suspension insulators for overhead lines
		ANSI C29.17, cl. 7.1 ANSI C29.18, cl. 8.1	Composite line post insulators
		CAN/CSA-C411.4-16, cl. 5.3 ANSI C29.12, cl. 8.1	Composite suspension insulators
		IEC/EN 61109 ed. 2, cl. 10.1, 10.2.3 ČSN EN 61109, cl. 10.1, 10.2.3 AS 4435.1, cl. 5.4	Composite insulators
		ČSN IEC 60383-1, cl. 25 IEC 60168, cl. 5.6 CAN/CSA C156.1-18, cl. 9.3.8	Ceramic or glass insulators
13	Test for the core material (dye penetration test and water diffusion test)	IEC/EN 61952 ed. 2, cl. 10.1, 10.2.3 ČSN EN 61952 ed. 2, cl. 10.1, 10.2.3 AS 4435.4, cl. 6.5 CAN/CSA C411.6-11, cl. 6.4	Composite line post insulators for overhead lines
		CAN/CSA C310-09, cl. 7.2	Alternating current switch-fuse combinations
		IEC /EN 61462 ed. 1, cl. 7.4 ČSN EN 61462, cl. 7.4 IEC 62772, cl. 8.5	Composite hollow insulators Composite hollow core station post insulators
		IEC/EN 62217 ed. 2, cl. 9.4 ČSN/EN 62217 ed. 2, cl. 9.4	Polymeric insulators for indoor and outdoor use
		ANSI C29.1, cl. 5.4 (ANSI C29.2B, cl. 8.3.2 ANSI C29.9, cl. 8.3.2 ANSI C29.5, cl. 8.3.3 ANSI C29.7, cl. 8.3.2)	Glass and porcelain insulators

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		ČSN IEC 62155, cl. 7.4	Glass and porcelain hollow insulators
		ANSI C29.11, cl. 7.4	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 8.3, 8.4 ANSI C29.13, cl. 8.5.3.1	Composite insulators of distribution deadend type
		ANSI C29.17, cl. 7.5 ANSI C29.18, cl. 8.3, 8.4 ANSI C29.18, cl. 8.5.3.1	Composite line post insulators
		ANSI C29.19, cl. 7.5 CAN/CSA C156.2-18, cl. 5.4, 5.5	Composite station post insulators
		CAN/CSA-C411.4-16, cl. 5.2 ANSI C29.12, cl. 8.4	Composite suspension insulators
		IEEE C37.41, cl. 18.3	Fuses and accessories over 1 kV
14	Mechanical force tests (tension, bending, impact)	IEC/EN 60137 ed.7, cl. 8.10 ČSN EN 60137 ed. 4, cl. 8.10 IEEE C57.19.00, cl. 7.2.2	Bushings
		IEC/EN 60168/A1, A2 ed. 4.2, cl. 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.6 ČSN EN 60168/A1, A2, cl. 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.6 AS 4398.2-2005, cl. 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.6 CAN/CSA C156.1-18, cl. 9.2.4.5, 9.2.4.7	Station post insulators
		IEC/EN 60383-1 ed. 4, chapt. 18, 19 ČSN IEC 383-1 chapt. 18, 19 AS/NZS 2947.1, sect. 5 IEC 60797 ed. 1, chapt. 4 AS 3608-2005, cl. 2.2, 2.3, 3.2.3, 4.2 AS 3609-2005, cl. 2.3, 3.2.3, 4.3	Ceramic or glass insulators
		IEC/EN 60660 ed. 2, cl. 3.7, 3.8, 3.9, 5.3 ČSN EN 60660, cl. 3.7, 3.8, 3.9, 5.3	Post insulators of organic materials
		IEC/EN 61109 ed. 2, chapt. 13 ČSN EN 61109, chapt. 13 AS 4435.1, cl. 8.3 NTC 5651, chapt. 19	Composite insulators
		IEC/EN 61243-5 ed. 1, cl. 5.10 ČSN EN 61243-5, cl. 5.10	Voltage detecting systems (VDS)



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		IEC/EN 61284 ed. 2, chapt. 11 ČSN EN 61284, chapt. 11	Fittings for overhead lines
		IEC /EN 61462 ed. 1, cl. 10.4 ČSN EN 61462, cl. 10.4 IEC 62772, cl. 8.3.1, 8.3.3	Composite hollow insulators Composite hollow core station post insulators
		IEC/EN 61952 ed. 2, cl. 11.2, 12.4, chapt. 13 ČSN EN 61952 ed. 2, cl. 11.2, 12.4, chapt. 13 AS 4435.4, cl. 7.3, 8.4, chapt. 9 CAN/CSA C411.6-11, cl. 5.8, 5.9	Composite line post insulators for overhead lines
		IEC/EN 62155 ed. 1, cl. 7, 7.2, 8.3 ČSN EN 62155, cl. 7, 7.2, 8.3	Ceramic or glass hollow insulators
		IEC EN 62231 ed. 1, cl. 9.3, cl. 10.4 ČSN EN 62231, cl. 9.3, cl. 10.4 ANSI C29.19, cl. 7.2.1, 7.2.3, 9.4, 9.5, 10.1 CAN/CSA C156.2-18, cl. 5.8, 5.9	Composite station post insulators
		IEN/EN 60099-4, cl. 8.11.6	Metal-oxide surge arrester
		CAN/CSA-C411.1, cl. 6.9, 7.6, 8.4	Suspension insulators
		ANSI C29.12, cl. 10.3, 11.1 CAN/CSA-C411.4-16, cl. 5.6, 7.5	Composite suspension insulators
		ANSI C29.1, cl. 5.1, 5.2, 5.3, 7.2	Insulators
		ANSI C29.2A, cl. 8.2.9, 8.3.4, 8.4.3 ANSI C29.2B, cl. 8.2.7, 8.3.4, 8.4.3	Suspension type insulators - porcelain or glass
		IP-2 (ANSI C29.1, cl. 5.1.2.2, ANSI C29.2B, cl. 8.2.8)	Suspension insulators - ceramic and glass
		ANSI C29.4, cl. 8.3.4	Porcelain insulators
		ANSI C29.5, cl. 8.2.5 ANSI C29.6, cl. 8.3.3 ANSI C29.7, cl. 8.3.4	Porcelain insulators (pin type)
		ANSI C29.9, cl. 8.3.4, 8.3.5	Ceramic insulators - apparatus and post-type
		ANSI C29.11, cl. 8.3.1.2, 8.3.1.3, 8.3.1.3.1, 8.3.1.3.2, 9.4, 9.5, 10.1	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 8.7, 10.3, 11.1	Composite insulators of distribution deadend type

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		ANSI C29.17, cl. 9.4, 9.5, chapt. 10 ANSI C29.18, cl. 8.7, 10.3	Composite line post insulators
		ANSI/NEMA CC 1-2018, cl. 3.2	Electric power connection for substations
		IEC 60502-2, cl. 18.2.4	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 12.4.3	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 12.4.3	Power cables from 150 kV up to 500 kV
15	Assembled core load-time tests	IEC/EN 61109 ed. 2, cl. 10.4, 11.2, 12.4 ČSN EN 61109, cl. 10.4, 11.2, 12.4 AS 4435.1, cl. 5.2, 6.4, 7.4	Composite insulators
		IEC/EN 61952 ed. 2, cl. 10.4 ČSN EN 61952 ed. 2, cl. 10.4 ANSI C29.17, cl. 7.2 ANSI C29.18, cl. 8.5.3.1 AS 4435.4, cl. 6.3 IEC/TR 62039 ed. 1, cl. 3.8	Composite line post insulators for overhead lines
		IEC EN 62231 ed. 1, cl. 8.3 ČSN EN 62231, cl. 8.3 ANSI C29.19, cl. 7.2.2	Composite station post insulators
		ANSI C29.11, cl. 7.2	Composite suspension insulators for overhead lines
		CAN/CSA-C411.4-16, cl. 5.8, 5.9 ANSI C29.12, cl. 8.2	Composite suspension insulators
		IEC/EN 60099-4 ed. 3, cl. 10.8.11.3.1.2 ČSN EN 60099-4 ed. 3, cl. 10.8.11.3.1.2	Overvoltage limiters
		IEC/EN 60383-1 ed. 4, chapt. 20 ČSN IEC 383-1 chapt. 20 AS/NZS 2947.1, chapt. 20	Ceramic or glass insulators
16	Thermal - mechanical tests	IEC/EN 60660 ed. 2, cl. 3.13 ČSN EN 60660, cl. 3.13	Post insulators of organic materials
		IEC/EN 61109 ed. 2, cl. 10.3.2 ČSN EN 61109, cl. 10.3.2	Composite insulators
		IEC/EN 61952 ed. 2, cl. 10.3.1 ČSN EN 61952 ed. 2, cl. 10.3.1 CAN/CSA C411.6-11, cl. 5.10	Composite line post insulators for overhead lines

**The Appendix is an integral part of
Certificate of Accreditation No.: 309/2022 of 22/06/2022**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC EN 62231 ed. 1, cl. 8.2.4 ČSN EN 62231, cl. 8.2.4 CAN/CSA C156.2-18, cl. 5.12	Composite station post insulators
		CAN/CSA-C411.1, cl. 6.10	Suspension insulators
		CAN/CSA-C411.4-16, cl. 5.7	Composite suspension insulators
		ANSI C29.2A, cl. 8.2.7 ANSI C29.2B, cl. 8.2.5	Suspension type insulators - porcelain or glass
		ANSI C29.11, cl. 7.1.4	Composite suspension insulators for overhead lines
		ANSI C29.13, cl. 8.9	Composite insulators of distribution deadend type
		ANSI C29.18, cl. 8.8	Composite line post insulators
17	Temperature cycle tests	IEC/EN 60168/A1, A2 ed. 4.2, cl. 5.4, 5.5 ČSN EN 60168/A1, A2, cl. 5.4, 5.5 AS 4398.2-2005, cl. 5.4, 5.5 CAN/CSA C156.1-18, cl. 9.3.4	Station post insulators
		IEC/EN 60383-1 ed. 4, chapt. 23, 24 ČSN IEC 383-1 chapt. 23, 24 AS/NZS 2947.1, chapt. 23, 24	Ceramic or glass insulators
		NTC 5651, chapt. 18	Composite insulators
		IEC/EN 62155 ed. 1, chapt. 7, cl. 7.3 ČSN EN 62155, chapt. 7, cl. 7.3	Ceramic or glass hollow insulators
		CAN/CSA-C411.1, cl. 7.5, 8.3	Suspension insulators
		ANSI C29.1, cl. 5.5	Insulators
		ANSI C29.2A, cl. 8.2.8 ANSI C29.2B, cl. 8.2.6	Suspension type insulators - porcelain or glass
		ANSI C29.5, cl. 8.2.6 ANSI C29.6, cl. 8.2.5 ANSI C29.7, cl. 8.2.5	Porcelain insulators (pin type)
		ANSI C29.9, cl. 8.2.5	Ceramic insulators - apparatus and post-type
18	Verification of dimensions, displacement, contact angle and locking systems	IEC/EN 60137 ed.7 cl. 8.14, 9.11 ČSN EN 60137 ed. 4, cl. 8.14	Bushings



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC/EN 60168/A1,A2 ed. 4.2, cl. 5.1 ČSN EN 60168/A1, A2, cl. 5.1 AS 4398.2-2005, cl. 5.1, 5.3, A1, A2 CAN/CSA C156.1-18,cl. 9.3.2	Station post insulators
		IEC 60120, cl. 9, cl. 10 ČSN IEC 120, cl. 9, 10	Dimensions of ball and socket coupling of string insulator units
		IEC/EN 60383-1 ed. 4, ch.17, 21, 22 ČSN IEC 383-1 chapt. 17, 21, 22 AS/NZS 2947.1, chapt. 17, 21, 22 AS 3608-2005, cl. 2.1, 3.2.2, 4.1 AS 3609-2005, cl. 2.1, 3.2.2, 4.1	Ceramic or glass insulators
		IEC/EN 60660 ed. 2, cl. 4.2, Annex A ČSN EN 60660, cl. 4.2, Annex A	Post insulators of organic materials
		IEC/EN 61109 ed. 2, cl. 12.2, 12.3, chapt. 8 ČSN EN 61109, cl. 12.2, 12.3, 8 IEC/EN 62217 ed. 2, chapt. 8 ČSN EN 62217 ed. 2, chapt. 8 AS 4435.1, chapt. 6, cl. 7.2 NTC 5651, chapt. 17	Composite insulators
		IEC/EN 61462 ed. 1, cl. 9.3 ČSN EN 61462, cl. 9.3	Composite hollow insulators
		IEC/EN 61952 ed. 2, cl. 12.2, chapt. 8 ČSN EN 61952 ed. 2, cl. 12.2, 12.3, chapt. 8 AS 4435.4, cl. 7.1, 8.2	Composite line post insulators for overhead lines
		IEC TR 62039, cl. 4.12.2.3, 4.12.2.4 (IP4)	Polymeric materials
		IEC/EN 62155 ed. 1, cl. 7.1 ČSN EN 62155, cl. 7.1	Ceramic or glass hollow insulators
		IEC EN 62231 ed. 1, cl. 9.1 ČSN EN 62231, cl. 9.1 ANSI C29.19, cl. 9.2	Composite station post insulators
		ANSI C29.2A, cl. 8.3.1 ANSI C29.2B, cl. 8.3.1	Suspension type insulators - porcelain or glass
		ANSI C29.4, cl. 8.3.1	Porcelain insulators
		ANSI C29.9, chapt. 5, cl. 8.3.1	Ceramic insulators - apparatus and post-type
		ANSI C29.11, chapt. 5, cl. 9.2, 9.3	Composite suspension insulators for overhead lines

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		ANSI C29.12, chapt. 6, cl. 10.1 CAN/CSA-C411.1, cl. 7.4 CAN/CSA-C411.4-16, cl. 4.7, 7.4	Composite suspension insulators
		ANSI C29.13, chapt. 6	Composite insulators of distribution deadend type
		ANSI C29.17, cl. 4, 9.2 ANSI C29.18, chapt. 6, cl. 10.1	Composite line post insulators
		EN 50124-1, cl. 7.2 ČSN EN 50124-1, chapt. 7.2	Railway equipment
		IEC 60811-201, cl. 4.4 IEC 60502-2, cl. 17.5, IEC 60840, cl. 12.4.1, IEC 62067, cl. 12.4.1	Electric and optical fibre cables
		IEC 60840, cl. 12.4.8.1	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 12.4.8.1	Power cables from 150 kV up to 500 kV
19	Hardness test of shed and housing material (Shore)	IEC/EN 61462 ed. 1, cl. 7.3.1 ČSN EN 61462, cl. 7.3.1	Composite hollow insulators
		IEC/EN 62217 ed. 2, cl. 9.3.1 ČSN EN 62217 ed. 2, cl. 9.3.1	Polymeric insulators for indoor and outdoor use
		IEC EN 62231 ed. 1, cl. 8.4 ČSN EN 62231, cl. 8.4	Composite station post insulators
		ANSI C29.13, cl. 8.1	Composite insulators of distribution deadend type
20	Determination of the coating mass by the magnetic test method	IEC/EN 60383-1 ed. 4, cl. 26.1.2 ČSN IEC 383-1, cl. 26.1.2 ANSI C.29.2B, cl. 8.3.3 ANSI C.29.7, cl. 8.3.3	Ceramic or glass insulators
		IEC 60168/A1, A2 Ed. 4.2, cl. 5.7.1.2 ČSN EN 60168/A1, A2, cl. 5.7.1.2	Station post insulators
		ANSI C.29.11, cl. 9.6 ANSI C.29.17, cl. 9.3 ANSI C29.19, cl. 9.3 IEC 62231, cl. 10.3	Composite insulators
21	Tightness test of oil, gas and water leakage	IEC/EN 60137 ed.7, cl. 8.11 ČSN EN 60137 ed. 4, cl. 8.11 ČSN EN 61462, cl. 7.2.5.4	Bushings Hollow core insulators
22	Temperature-rise test	IEC/EN 60137 ed.7, cl. 8.8, 8.9 ČSN IEC 60137 ed. 4, cl. 8.8, 8.9 IEEE C57.19.00, cl. 7.2.3	Bushings

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested item
		IEC 60502-2, cl. 18.2.7	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 12.4.6	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 12.4.6	Power cables from 150 kV up to 500 kV
		IEC 61284, cl. 13.5.2	Fittings for overhead lines
23	Measurement of electrical resistance, resistivity and magnetic losses	IEC 60502-2, cl. 16.2, 18.2.10 IEC 60228	Power cables from 1 kV up to 30 kV
		IEC 60840, cl. 12.4.9	Power cables from 30 kV up to 150 kV
		IEC 62067, cl. 12.4.9	Power cables from 150 kV up to 500 kV
		IEC 61284, cl. 12	Fittings for overhead lines

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)

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 23

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations and abbreviations:

IP	Internal Test Procedure
PNE	Professional Standard
IEEE	Institute of Electrical and Electronics Engineers
ANSI	American National Standards
CAN/CSA	Canadian standards
AS	Australian standards
NTC	Colombian standards

