



STS Directory

Accreditation number: STS 0527

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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GIS Test Laboratory
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Initial accreditation: 18.01.2010
Current accreditation: 18.01.2020 to 17.01.2025
Scope of accreditation see: www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 18.01.2020

Testing laboratory for components and installations for energy transmission and energy distribution

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Instrument transformers, voltage transformers, current transformers, combined transformers	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit	IEC 60044 IEC 61869
Current transformers	All Routine- and Sample-Tests (without determination of loop time constant and remanence factor) Transmitted overvoltage tests	IEC/EN 61869-1 IEC/EN 61869-2
Surge arresters	Dielectric tests Leakage current measurements	IEC 60099-4
Bushings > 1 kV	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit	IEC 60137



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Common specifications for high voltage switchgear	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit	IEC 62271-1
High-voltage circuit-breakers	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit Mechanical tests	IEC 62271-100
High-voltage alternating-current disconnectors and earthing switches	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit Mechanical tests Tests on the power kinematic chain Bus transfer current switching tests (Disconnectors) Induced current switching by earthing switches	IEC 62271-102
Alternating current switches > 52 kV	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit Mechanical tests	IEC 62271-104
Alternating current disconnecting circuit-breakers > 52 kV	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit Mechanical tests	IEC 62271-108
Gas-insulated switchgear > 52 kV	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit Mechanical tests	IEC 62271-203
Cable connections for GIS > 52 kV	Dielectric tests Temperature rise tests Measurement of the resistance of the main circuit	IEC 62271-209
Procedure standards	High-voltage test techniques (AC, DC, impulse incl. combined and composite voltages) Tightness tests	IEC 60060-1 IEC 60060-2 IEC 62271-1

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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	PD measurements Measurement of the resistance of the main circuit Temperature rise tests Radio Interference Voltage (RIV) tests Mechanical tests Switching tests Dielectric wet tests Leakage current measurements	IEC 60270 IEC 62271-1 IEC 62271-203 IEC 60044 IEC 61869 IEC 62271-1 IEC 62271-203 IEC 62475 IEC 60137 IEC 62271-1 IEC 62271-100 IEC 62271-102 IEC 62271-104 IEC 62271-108 IEC 62271-102 IEC 60060-1 IEC 62271-1 IEC 60099-4

In case of contradictions in the language versions of the directories, the German version shall apply.

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