Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO
Swiss Accreditation Service SAS

Based on the Accreditation and Designation Ordinance dated 17 June 1996 and on the advice of the Federal Accreditation Commission, the Swiss Accreditation Service (SAS) grants to

PEHLA Testing Laboratory Baden
Association for High Power
Electrical Testing
Fabrikstrasse 13
5400 Baden

Site in
- **Zurich**

Period of accreditation:
13.10.2026 until 12.10.2031
(1st accreditation: 15.09.1992)

the accreditation as

Testing laboratory for components and installations for energy transmission and energy distribution and simulated environmental testing

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

3003 Bern, 29.09.2026
Swiss Accreditation Service SAS

i. V.

Head of SAS
Dr Anja Simma

The SAS is a signatory of the multilateral agreements of the European co-operation for Accreditation (EA) and of the Global Accreditation Cooperation Incorporated (Global ACI) for the following scopes: testing, calibration, inspection, reference material production, proficiency testing provision, management systems certification, certification of persons, as well as certification of products, processes and services.

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Swiss Accreditation Service SAS

STS Directory

Accreditation number: STS 0012

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

PEHLA Testing Laboratory Baden
Association for High Power Electrical Testing
Fabrikstrasse 13
5400 Baden (HS)

Site under accreditation:
Brown-Boveri-Strasse 1
8050 Zurich (GS)

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Initial accreditation:	15.09.1992
Current accreditation:	13.10.2026 to 12.10.2031
Scope of accreditation see:	www.seco.admin.ch (Accredited bodies)

Scope of accreditation as of 13.10.2026

Testing laboratory for components and installations for energy transmission and energy distribution and simulated environmental testing

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)	Lab
	Simulated environmental testing		GS
Electric, electronic and mechanical devices	Degrees of protection provided by enclosures (IP-Code)	IEC 60529 [A]	GS
	Degrees of protection provided by enclosures (IK-Code)	IEC 62262	
	Examination Eh: Hammer examinations	IEC 60068-2-75	
	Climatic Tests		GS
	Cold and Heat Tests Size inside chamber: 220‘000 l Temperature: -60 °C … +105 °C Size inside chamber: 1‘500 l Temperature: -75 °C … +180°C	IEC 60068-2-1, EN 60068-2-1 IEC 60068-2-2, EN 60068-2-2	GS

1) Scope of accreditation type A (fix)
2) Scope of accreditation type B (flexible)
3) Scope of accreditation type C (flexible)

Definition of flexibilty see SAS Document 741

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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)	Lab
	Climatic Tests Size inside chamber: 220‘000 l Humidity: 30 % - 95 % r. H. from 20 °C to 40 °C Size inside chamber: 8'000 l Humidity: 10 % - 98 % r. H. from 10 °C to 85 °C	IEC 60068-2-30, EN 60068-2-30 IEC 60068-2-38, EN 60068-2-38 IEC 60068-2-78, EN 60068-2-78	GS
High-voltage switch-gear and controlgear	Common specifications	IEC 62271-1 IEEE C37.100 IEEE C37.100.1	HS; GS
SF_6	Use and handling of sulphur hexafluo-ride (SF6)	IEC 62271-4	HS; GS
High-voltage switch-gear and controlgear - Alter-nating current circuit-breakers	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Sound pressure test Short-time current tests Making & Breaking tests Inductive load switching Electrical endurance testing for cir-cuit-breakers above a rated voltage of 52 kV Internal arc tests	IEC 62271-100 IEC 62271-200 IEC 62271-203 IEC 62271-101 IEC 62271-110 IEC 62271-302 IEC 62271-310 IEC/IEEE 62271-37-013 IEEE C37.04 IEEE C37.06 IEEE C37.09 IEEE C37.10 IEEE C37.11 IEEE C37.12 IEEE C37.015 IEEE C37.016 GOST 52565	HS; GS
High-voltage switch-gear and controlgear - Alter-nating current dis-connectors and earthing switches	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Short-time current tests Making tests Induced current tests Bustransfer & buscharging current switching tests Internal arc tests	IEC 62271-102 IEEE C37.30.1 IEEE C37.41 GOST 52726	HS; GS

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Accreditation number: STS 0012

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)	Lab
High-voltage switch-gear and controlgear - Switches for rated voltages above 1 kV up to and including 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Short-time current tests Making tests, switching tests Internal arc tests	IEC 62271-103	HS; GS
High-voltage switch-gear and controlgear - Alter-nating current switches for rated voltages of 52 kV and above	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Short-time current tests Making tests, switching tests Internal arc tests	IEC 62271-104 IEEE C37.30.1 IEEE C37.41	HS; GS
High-voltage switch-gear and controlgear - Alternating current switch-fuse combi-nations for rated voltages above 1 kV up to and including 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Short-time current tests Making tests, switching tests Internal arc tests	IEC 62271-105	HS; GS
High-voltage switch-gear and controlgear - High-voltage alter-nating current dis-connecting circuit-breakers > 72,5 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tight-ness tests Sound pressure test Short-time current tests Making & Breaking tests Inductive load switching Electrical endurance testing for circuit-breakers above a rated voltage of 52 kV Internal arc tests	IEC 62271-108	HS; GS

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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)	Lab
High-voltage switchgear and controlgear - AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tightness tests Sound pressure test Short-time current tests Internal arc tests	IEC 62271-200 IEEE C37.20.2 IEEE C37.20.3 ANSI C37.54 GOST 1516.3	HS; GS
High-voltage switchgear and controlgear - Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tightness tests Sound pressure test Short-time current tests Internal arc tests	IEC 62271-203 IEEE C37.122 GOST 1516.3	HS; GS
High-voltage switchgear and controlgear - Rigid gas-insulated transmission lines for rated voltage above 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tightness tests Short-time current tests Internal arc tests	IEC 62271-204	HS; GS
High-voltage switchgear and controlgear - Compact switchgear assemblies for rated voltages above 52 kV	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests, tightness tests Short-time current tests Internal arc tests Leakage Measurements	IEC 62271-205	HS; GS
High-voltage switchgear and controlgear	Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluid-filled and dry-type cable-terminations	IEC 62271-209	HS; GS

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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)	Lab
High-voltage switch-gear and controlgear Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	Dielectric tests Temperature-rise tests Mechanical tests, climatic tests, tight-ness tests	IEC 62271-211	GS
Insulated bushings for alternating volt-ages above 1 kV Composite hollow in-sulators – Pressur-ized and unpressur-ized insulators for use in electrical equipment with rated voltage greater than 1 kV Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 kV	Dielectric tests Temperature-rise tests Mechanical tests, climatic tests, Tight-ness tests	IEC 60137 IEC 61462 IEC 62155 IEEE C57.19.00 IEEE C57.19.100	GS
Tests on indoor and outdoor post insula-tors of ceramic ma-terial or glass for systems with nomi-nal voltages greater than 1 kV	Dielectric tests Temperature-rise tests Mechanical tests, climatic tests, Tight-ness tests	IEC 60168 ANSI C29.1 ANSI C29.11	GS
Shunt Reactors	Dielectric tests Temperature-rise tests Short-time current tests	IEC 60076-6	HS; GS
Power transformers	Guide to the lightning impulse and switching impulse testing – Power transformers and reactors Ability to withstand short circuit	IEC 60076-1 IEC 60076-3 IEC 60076-4 IEC 60076-5 IEC 60076-11	HS; GS
Line traps for a.c. power systems	Dielectric tests Temperature-rise tests Short-time current tests	IEC 60353	HS; GS

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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)	Lab
Instrument transformers	Dielectric tests Partial discharge measurements Short-time current tests Temperature-rise tests Accuracy measurements Mechanical tests, climatic tests, Tightness tests	IEC 60044-7 partially replaced by IEC 61869-11 IEC 60044-8 partially replaced by IEC 61869-10 and IEC 61869-11 IEC 61869-1 IEC 61869-2 IEC 61869-3 IEC 61869-4 IEC 61869-5 IEC 61869-6 IEC 61869-9 IEEE C57.13	HS; GS
Surge arresters - Metal-oxide surge arresters without gaps for a.c. systems	Dielectric tests Tightness tests Pressure relief test	IEC 60099-4 IEC 60099-8 IEC 60099-9 IEEE C62.11 GOST R 52725	GS
Grading capacitors for high-voltage alternating current circuit-breakers	Dielectric tests Temperature-rise tests Short-time current tests Mechanical tests, climatic tests, Tightness tests	IEC 62146-1	HS; GS
High-voltage fuses	Current-limiting fuses	IEC 60282-1 IEC 60282-2	HS
Thyristor valves for high voltage direct current (HVDC) power transmission	Dielectric tests	IEC 60700-1	GS
Low-voltage fuses	Supplementary requirements for fuse-links for the protection of semiconductor devices	IEC 60269-1 IEC 60269-4	HS
Railway applications - Fixed installations - Particular requirements for alternating current switchgear	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests Short-time current tests Internal arc tests Making tests	EN 50152-1 EN 50152-2	HS; GS

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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)	Lab
Railway applications - Electric equipment for rolling stock	Dielectric tests Temperature-rise tests Measurement of the resistance of the main circuit Mechanical tests, climatic tests Short-time current tests Making tests	EN 60077-1 EN 60077-2 EN 60077-4	HS; GS
High-voltage test techniques High-voltage switch-gear and controlgear	Dielectric tests	IEC 60060-1, IEC 60060-2 IEEE 4 IEC 61180	HS; GS
	Tightness tests Partial discharge measurements Measurement of sound pressure levels	IEC 62271-1 IEC 60168 IEC 60270 IEC/IEEE 62271-37-082	
	Measurement of the resistance of circuits	IEC 62271-1 IEC 62271-203	HS; GS
	Temperature rise tests	IEC 62271-1 IEC 62271-100 IEC 62271-102 IEC 62271-103 IEC 62271-104 IEC 62271-200 IEC 62271-201 IEC 62271-203	GS
	Radio interference voltage (RIV) tests	IEC 62271-1 IEC 60437 CISPR 16-1-1 CISPR 18-2	GS
	Mechanical tests	IEC 62271-100 IEC 62271-102 IEC 62271-103 IEC 62271-104 IEC 62271-200 IEC 62271-105 IEC 62271-201 IEC 62271-203	HS; GS
	Power tests	IEC 62271-100	HS
	Electrical endurance testing	IEC 62271-310	HS
	Switching tests	IEC 62271-100 IEC 62271-103 IEC 62271-104 IEC 62271-105 IEC 62271-106 IEC 62271-102 IEC 62271-110	HS; GS

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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)	Lab
	Synthetic testing	IEC 62271-101 IEEE C37.081 IEEE C37.081A IEEE C37.083	HS
	Internal arc tests	IEC 62271-203 IEC 62271-201 IEC 62271-200	HS
	Short-time current tests	IEC 62271-1 IEC 60353	HS
	Climatic tests	IEC 62271-100 IEC 62271-102 IEC 62271-203	GS
	Accuracy measurements	IEC 60044-7 partially replaced by IEC 61869-11 IEC 60044-8 partially replaced by IEC 61869-10 and IEC 61869-11 IEC 61869-1 IEC 61869-2 IEC 61869-3 IEC 61869-4 IEC 61869-5 IEC 61869-6 IEC 61869-9 IEEE C57.13	GS

Remark:

A) Partially performed under subcontract by STS 0001, STS 0050, D-PL-12061-01-01

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

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1) Scope of accreditation type A (fix)
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Definition of flexibilty see SAS Document 741