SATS Certification

Scandinavian Association for
Testing of Electric Power Equipment

SATS

A brief presentation

SATS
Certification

SATS Certification is an association of high power and high voltage test laboratories and end user organizations in Sweden and Norway

SATS Laboratories:

- High Power Laboratory, Ludvika, Sweden
- NEFI, Skien, Norway
- Nexans Norway, Halden, Norway
- SINTEF Energy Research, Trondheim, Norway
- STRI, Ludvika, Sweden

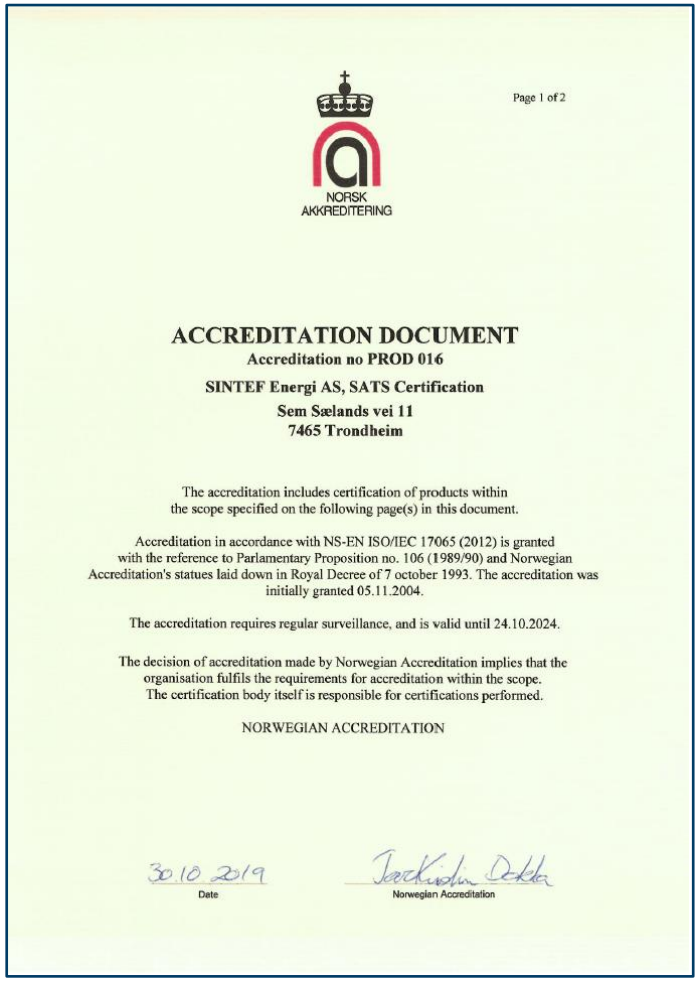
SATS
Certification

SATS Certification is accredited to ISO/IEC 17065 and issues test reports and certificates

Documents issued by SATS:

- Report of Performance
- STL Type Test Certificate
- Certificate of Type Conformity
- Report of Type Conformity

Based on tests carried out according to IEC, IEEE or other standards, or client's specifications, in accordance with STL Guides, and witnessed by SATS Inspectors



NORSK AKKREDITERING

Page 1 of 2

ACCREDITATION DOCUMENT

Accreditation no PROD 016

SINTEF Energi AS, SATS Certification

Sem Sælands vei 11

7465 Trondheim

The accreditation includes certification of products within the scope specified on the following page(s) in this document.

Accreditation in accordance with NS-EN ISO/IEC 17065 (2012) is granted with the reference to Parlamentary Proposition no. 106 (1989/90) and Norwegian Accreditation's statues laid down in Royal Decree of 7 october 1993. The accreditation was initially granted 05.11.2004.

The accreditation requires regular surveillance, and is valid until 24.10.2024.

The decision of accreditation made by Norwegian Accreditation implies that the organisation fulfils the requirements for accreditation within the scope. The certification body itself is responsible for certifications performed.

NORWEGIAN ACCREDITATION

30.10.2019
Date

Norwegian Accreditation

SATS
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SATS laboratories test MV and HV switching equipment, cables, instrument transformers, insulators, surge arresters, capacitors and other components

Testing capabilities include:

- Three-phase synthetic testing up to 245 kV and single-phase synthetic test up to 550 kV full-pole
- Direct testing up to 250 kV, 280 kA peak, 16–60 Hz
- Dielectric testing up to 1600 kV, 6.5 A, 50 Hz; 3600 kV lightning impulse, 2100 kV, 10 mA and 1200 kV, 300 mA DC
- Environmental testing outdoor for HV AC and DC components and climate room testing from –55 to +70 °C
- Single- and three-phase arc fault tests, 63 KA / 1 sec; 170 kA peak
- Mechanical testing; e.g., bending, crushing, mechanical endurance, dynamic flexing, corrosion, cantilever tests

SATS Certification

SATS Certification is one of the eleven members of the Short-Circuit Testing Liaison (STL)

JSTC, Japan

CESI, Italy

SATS, Norway

KEMA, The Netherlands

STLNA, USA

CPRI, India

KERI, South Korea

ESEF ASEFA, France

VEIKI, Hungary

PEHLA, Germany

ZKU, Czech Republic

STL objectives:

- Uniform interpretation of IEC and regional standards for testing of electrical power equipment
- Uniform presentation of test results and data in test documents and the condition on which test documents can be issued
- Harmonization of measuring techniques and methods

The STL members have agreed to:

- co-operate in the preparation of STL Guides for the IEC standards
- test only in accordance with the agreed interpretation of the standard as given in the STL Guides

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www.sats-certification.org

www.stl-liaison.org