

Data Sheet no. 10.53/1

# Tutorial HVOST: High-Voltage On-site Testing

**Content:** Tutorial HVOST is a short version of Tutorial HVTMT with the special direction to on-site testing for commissioning and condition assessment of insulations.

## 1. Introduction

Aim and historical development of HV testing; relationship between factory and on-site testing; breakdown as a random variable; test procedures; requirements to on-site test systems; system design and HV measurement

## 2. Test voltages for on-site use

- 2.1 High DC and VLF voltages
- 2.2 High AC voltages
- 2.3 High impulse voltages (OLI, OSI, DAC)

## 3. PD measurement on-site

PD measuring circuits and instruments (IEC 60270); PD calibration; signal-to-noise ratio; interpretation of PD measuring results; non-conventional PD measurement (VHF/UHV, acoustic methods)

## 5. Examples for on-site tests

Commissioning tests of GIS; after-laying tests of extruded cable systems; after-repair tests of power transformers

**Duration:** The above content is divided into 7 lectures of 90 min each plus 1 h for free discussion per day. The full course will be held at three consecutive days.

**Participants:** Tutorial HVOST is prepared for managers and engineers in utilities, commissioning and service divisions.

**Brochure:** Each participant will get a brochure of all transparencies (approx. 160 pages) used during the Tutorial.

**Certificate:** Each participant will get a Certificate of Participation.

For further information please contact:

or our local representative:

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