Time-optimized Voltage Transformer Diagnostics with VOTANO 100

1.5 hours | English | Witr03en

Learn how to assess the performance of instrument transformers utilizing VOTANO 100. Get familiar with various measurement approaches, effective report generation, instrument transformer class assessment according to international standards as well as special application examples.

Objectives

> Perform commissioning, troubleshooting and periodic tests of VTs
> Fast, simple and safe instrument transformer testing according to the relevant international standards (IEC and IEEE)
> Test and verify the fulfilment of the VTs specifications as well as the class accuracy and VT ratio
> Perform automated result assessment of VT with values defined in selected IEEE, ANSI, or IEC standards
> Generate automated test reports with VOTANO Suite

Content

> Function of instrument transformers and overview of different CT types (MV, HV)
> Goals of operators and theory relevant for VT diagnostics
> Procedure of model-based testing of VTs with VOTANO 100
> Relevant definitions in standards for testing and assessment of VTs
> Common safety measures required for safe and reliable VT testing
> Practical example for time-efficient instrument transformer tests with VOTANO Suite
> Evaluation of the VT measurement results by means of a practical example

Solutions

VOTANO 100 + VBO2
VOTANO Suite Software

Audience

Technical staff involved in instrument transformer testing in utilities, transmission, distribution and generation networks, railway grids, service companies and manufacturers.

Prerequisites

Knowledge of electrical engineering