






Online-Course: Time-optimized current transformer diagnostics with CT Analyzer



 Two 2h sessions

 English

 oCitr03en

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

Objectives

- Perform commissioning, troubleshooting and periodic tests of CTs in time optimized manner for shortest possible outage times
- Fast, simple and safe current transformer testing according to the relevant international standards (IEC and IEEE)
- Test and verify the fulfillment of the CTs' specifications as well as the class accuracy and CT ratio
- Perform automated result assessment of CT with values defined in selected IEEE, ANSI, or IEC standards
- Generate automated test reports with CTA Suite

Content

- Typical CT failure sources vs. testing and corrective measures
- Types, design and construction of different CTs
- Comparison of conventional (CPC 100) vs. model-based testing of CTs (with CT Analyzer)
- Relevant definitions in standards for testing and assessment of CTs
- Performing time-efficient instrument transformer tests with CTA Suite
- Evaluation of the CT measurement results by means of practical examples
- Introduction to dynamic simulation by utilizing actual CT parameters with the help of CTA and RelaySimTest

Solutions

CT Analyzer
CTA Suite

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