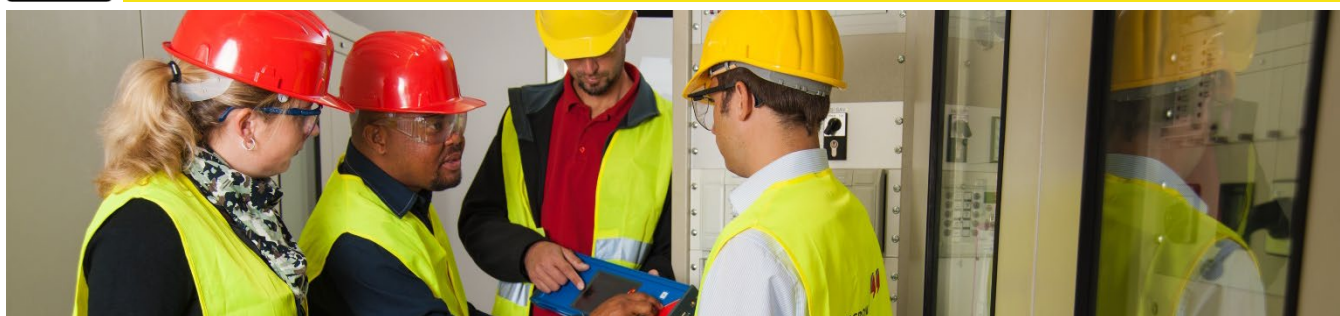






Automated overcurrent protection testing with CMC



 1 day

 English

 Cprs01en

You will learn how to efficiently test overcurrent relays with the OMICRON Test Universe. Become familiar with the test procedures in theoretical and hands-on sessions and get to know the benefits of automated testing.

Objectives

- > Get familiar with the CMC test set and the Test Universe software for testing overcurrent protection relays
- > Get to know important safety aspects for test preparation and execution
- > Refresh your technical knowledge of overcurrent protection
- > Become more efficient in testing by using automated test plans
- > Generate test reports customized to your needs
- > Know the OMICRON support options including technical support, knowledge library and the worldwide community

Content

- > Overview of protection testing basics
- > Introduction to the OMICRON Control Center (OCC) and relevant test modules
- > Modelling of the relay characteristics in the Test Object for subsequent testing
- > Test setup and configuration options for the CMC test set
- > Quick current and voltage output for easy wiring tests
- > Fundamentals of non-directional overcurrent protection functions
- > Creating a reusable test plan (OCC file) for testing non-directional overcurrent relays including
 - > testing the pick-up values of the first and second stage
 - > testing the trip times of the first and second stage
 - > customization of the automatic test report
- > Hands-on testing of non-directional overcurrent protection

Solutions

Test Universe: QuickCMC, Ramping, Pulse Ramping, State Sequencer, Overcurrent
OMICRON Control Center
CMC-Family

Audience

Technical staff from utilities or companies working mainly in commissioning or maintenance testing

Prerequisites

Basic knowledge of power system protection