



Automated generator protection testing with CMC

 3 days

 English

 Cprs07en

Learn how to efficiently test generator and motor relays with the OMICRON Test Universe. Get familiar with the test procedure in hands-on and theoretical sessions. Work with special test set-ups to gain immediate testing experience.

Objectives

- ▶ Testing the protection functions of complex generator and motor relays
- ▶ Efficiently using the OMICRON Test Universe to test these functions
- ▶ Creating and adjusting complex test templates for rotating machine protection

Content

- ▶ Introduction to working with the CMC test set and the OMICRON Test Universe
- ▶ Quick introduction to the operating principle of each protection function to test
- ▶ Creating test plans considering each generator/motor protection function
- ▶ Hands-on testing on protection relays
- ▶ Creating a complex test plan which adapts automatically to newly entered relay settings
- ▶ Tips and instructions for adapting this automated test plan to your work area
- ▶ Testing of the generator capability diagram using the Advanced Power module

Solutions

Control Center, QuickCMC, Ramping, Pulse Ramping, Overcurrent, State Sequencer, Distance, Advanced Differential (Diff Configuration, Diff Operating Characteristic, Diff Trip Time Characteristic, Diff Harmonic Restraint)
CMC Family

Audience

Technical staff involved in maintenance and planning of electrical plants and protection systems in power generation and service companies

Prerequisites

Knowledge of protection testing and OMICRON Test Universe