



Online: Power System Protection Testing - Virtual Class

 4 days

 English

 oCprs15en

Learn how to efficiently test overcurrent, distance, and transformer differential relays from scratch with the OMICRON Test Universe. Get familiar with the test procedure in a series of virtual sessions.

Objectives

- ▶ Performing commissioning, trouble-shooting and periodic tests of protection relays
- ▶ Testing overcurrent, distance and transformer differential relays with the OMICRON Test Universe
- ▶ Creating and modifying test plans and customized test reports
- ▶ Using the OMICRON Test Universe from scratch

Content

- ▶ Session 1: Introduction, format, testing philosophy, CMC hardware overview, Test Universe Start Page, creating a new test plan, how to use the QuickCMC tool
- ▶ Session 2: Overcurrent protection, fault types, how to use the Overcurrent tool
- ▶ Session 3: Reclosing logic and protection overview, how to use the State Sequencer tool, Underfrequency, Undervoltage, how to use the Ramping tool
- ▶ Session 4: Distance protection overview, how to use the Advanced Distance tool
- ▶ Session 5: Differential protection overview, how to use the Advanced Differential tools
- ▶ Session 6: how to make the most efficient test plans, overview of the Protection Testing Library
- ▶ Session 7: Q&A with a panel of OMICRON engineers

Solutions

Control Center, QuickCMC, Ramping, Pulse Ramping, Overcurrent, Advanced Distance, State Sequencer, Advanced Differential
CMC-Family

Audience

Technical staff from electric utilities, service companies and manufacturers involved in protection testing

Prerequisites

Basic knowledge of power system protection