





Power System Protection Testing - Virtual Class



 4 days

 English

 Wprs14en

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

2 hr. sessions

- > 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