

Online-Course: System-based protection testing with CMC





Four 2.5h sessions over two days R English





oCprs05en

Learn how to efficiently create system-based protection tests with RelaySimTest. Explore a comfortable way of end-to-end testing using the TestSetRemoteAgent. Get familiar with the test procedure in live demo and theoretical sessions.

Objectives

Exploring the benefits of system-based testing in comparison to parameter testing Designing different grid scenarios to create realistic fault conditions Simulating faults to test the behavior of your protection systems Using RelaySimTest from scratch

Content

Introduction to system-based testing Definition of suitable test cases for different protection schemes Modelling of test grid topologies in RelaySimTest System-based distance protection testing Iterative closed loop testing of the autoreclosure function Easy end to end testing of distance teleprotection and line differential protection Testing of the power swing blocking function of a distance protection relay Easy end to end testing of line differential protection taking CT saturation into account Short introduction to further test applications (e.g. busbar protection testing) Synchronized injection with TestSetRemoteAgent and CMGPS588

Solutions

RelaySimTest, TestSetRemoteAgent, **CMC-Family**

Audience

Technical staff from utilities. transmission and distribution networks, service companies and manufacturers involved in protection testing or grid simulation

Prerequisites

Basic knowledge of protective relaying and protection testing

