

Recloser Control Testing – manual & automatic verification of recloser control parameters

Solutions: ARCO

Summary: Learn how to test all kinds of recloser and sectionalizer controls quickly and reliably with ARCO 400. Get familiar with the software guided workflow of ARCO Control and learn how to prepare test plans for standardized testing. Work with different recloser controls to gain immediate testing experience.

Prerequisites: Basic knowledge about distribution systems and protective devices

Duration: 1 day

Language: English

Code: C.0160.AAA



Objectives

- > Becoming familiar with the theory of reclosers and their application in the distribution system
- > Performing easy and efficient tests of all kinds of recloser and sectionalizer controls
- > Practicing three-phase testing of recloser controls with ARCO Control
- > Learning about voltage based distribution system restoration and how to test it
- > Preparing reusable test plans with ReCoPlan for standardized and time-saving tests



Content

- > Theoretical background of reclosers and sectionalizers, their protective functions and automated distribution restoration schemes
- > Getting to know the easy test setup of ARCO 400 and its smart controller adapters
- > Performing simple manual trip and close checks just with the ARCO hardware
- > ARCO Control overview
- > Performing wiring checks
- > Determining pick-up values of overcurrent curves
- > Testing the reclosing sequence of recloser controls under various conditions
- > Testing overcurrent operating characteristics
- > Getting to know the testing principles of voltage based restoration schemes
- > Creating test plans with ReCoPlan and executing them with ARCO Control
- > Lots of hands-on practice with recloser controllers from different manufacturers



Solutions

- > ARCO 400
- > Different controller adapters
- > ARCO Control
- > ReCoPlan



Audience

Technical staff from electric utilities, service companies and manufacturers involved in recloser maintenance, installation and testing