

Course goal

The aim of this course is to familiarize the participants with the operation, setting and engineering of 500 series IEDs by using REF541 feeder protection relay.

Learning objectives

After this course the participant will be able to:

- Perform all the basic operations from the local HMI (Human Machine Interface)
- Read and clear events , disturbance record, fault records and alarms
- Manage the relay settings from LHMI and CAP501 tool
- Upload disturbance recordings from CAP501 tool
- Handle RE_500 series relays

Participant profile

System engineers and technical personnel who want to learn operation and engineering of RE_500 series of relays.

Prerequisites

Participants shall have good knowledge of protection relays and the electrical network to be controlled.



Topics

- Introduction to REF541/543/545, REM543/545, RET5451/543/545
- Hardware, features and application of RE_500 series relays
- Operation from Local HMI
- Setting of the relay (LHMI & CAP501)
- Setting and reading the disturbance recorder from CAP501
- Hands on training of RE_500 series relays

Course type and methods

This is an instructor led seminar with class room lectures, demonstrations, application and hands on practice. The language of the course is english.

Course duration

The duration of the course is two days.

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