

## COURSE DESCRIPTION

# INTCV612

## RE 500 Series - Operation and Engineering



### The goal

The aim of this course is to familiarize the participants with the operation, setting and engineering of 500 series numerical protection relays 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 LHMI
- Setting of the relay using LHMI and CAP501
- Setting and reading the disturbance recorder from CAP501
- Hands on training of RE\_500 series relays

### Course type

This is an instructor led seminar with class room lectures, demonstrations, application and hands on practice.

The language of the course is English.

**Laptop** or tablet is required to have access to the e-documentation. Please bring your own device.

**Duration**

The duration of the course is two days.

**To Register:**

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Search: please enter course number INTCV612 into the search field. (Please check the language filter EN)

The latest version of the course portfolio, and course schedule can be found on our

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