

REF 543

- Operation

The aim of this course is to familiarize the participants with the operation and setting of RED 500 terminals (e.g. REF 541/543/545, REM 543/545 and RET 543/545) by using REF 543 and CAP 501.

Objectives

After this course the participant will be able to:

- perform all the basic operations from the front panel of the terminal
- handle events and alarms locally and from the setting tool
- manage relay settings with CAP 501 tool
- import, export and modify relay settings
- upload disturbance recordings and see the curves

Participant profile

System engineers, maintenance engineers, substation operators and persons who would like to learn how to operate the terminal and set relay parameters

Course Code	P232
Duration	1 day
Course Fee	500 EUR
Language	English
Registration	For registration please contact Vaasa.ABBuniversity@fi.abb.com

Prerequisites

Basic knowledge of protection relays and the electrical network to be controlled.

Topics

- Introduction to RED 500 terminals (REF, REM, RET)
- Functionality and principles of the terminals
- HMI (Human Machine Interface)
- Setting the terminals (via HMI and CAP 501 tool)
- Setting and uploading Disturbance Recorder
- Communication basics