

REF 543

- Programming

The aim of this course is to familiarize the participants with the functional programming of RED 500 terminals by using CAP 505 product engineering tools.

Objectives

After this course the participant will be able to:

- know the programming process
- store, export and import configurations
- implement basic programs with CAP 505 engineering tools
- create new and modify ready-made configurations
- create and modify a MIMIC picture and alarm LEDs

Participant profile

System engineers, maintenance engineers and persons who want to learn to program RED 500 terminals.

Prerequisites

Course Code	P233
Duration	2 days
Course Fee	1 000 EUR
Language	English
Registration	For registration please contact Vaasa.ABBuniversity@fi.abb.com

Good knowledge of protection relays and the electrical network to be controlled. Participation on the course called "P232 REF 543 - Operation" or corresponding experience.

Topics

- Functionality and programming principles of REF 541/3/5, REM 543/5, RET 541/3/5 and REC523
- CAP 505 project environment and programming tasks
- Programming of protection, measurement, control and condition monitoring functions
- MIMIC picture and alarm LEDs
- Disturbance recorder programming
- Project version management and documentation