The aim of this course is to familiarize the participants with the programming of REF 542plus terminal by using the REF 542plus Configuration Tool

**Objectives**
After this course the participant will be able to:

- know the programming process
- use REF 542plus Configuration Tool (FUPLA)
- modify ready-made configurations
- create and modify HMI picture

**Participant profile**
System engineers, maintenance engineers and persons who want to learn to program REF 542plus terminal.

**Prerequisites**
Good knowledge of protection relays and the electrical network to be controlled. Preferably some experience in programming languages.

**Topics**
- Functionality and programming principles of REF 542plus
- Use of REF 542plus Configuration Tool software components
- Defining of REF 542plus hardware components
- Defining of measurements
- Programming of the control and protection
- Functions
- Other programming objects like LEDs and disturbance recorder

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