

# Operation, programming and commissioning Relion® protection and control Relion® 615/620/630 series



## Training objective

In this product training you are trained on safe operation and testing of bay control units as well as the programming and parametrisation. Furthermore the participant acquires basics in IEC61850 communication for independent configuration of control system interfaces.

## Participant profile

This training is targeted to Operators, Engineers in operations and Programming engineers

## Prerequisites

- extended knowledge of English language in reading and writing as well as technical terminology
- electromechanical education (Technician, Engineer)
- professional experience in handling electrical equipment over several years preferable
- basic knowledge in medium Voltage technology  
Preferable
- Basic knowledge in digital logic, switchgear interlocking and protection conception

## Instruction contents

- Basic functionalities of relays
- Programming
- Configuration software PCM600
- Error recognition – possible workarounds
- Functions IEC61850
- Functions of analysis tool ITT600
- GOOSE incl. GOOSE configuration compilation
- Commissioning training
- Online monitoring by PCM600, web server
- Testing of analog indicators, inputs and outputs

## Your benefit

- Product knowledge
- Hands on training
- Increased efficiency
- Know-how enlargement
- Individual support/ troubleshooting
- Training material

## General

- duration 5 days
- structure 30% Theory  
70% Practice
- group size max. 8 participants
- individualization booking of individual modules is possible
- location ABB Trainings Center  
Oberhausener Strasse 33  
40472 Ratingen, Germany

**Note:**

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