

Transformer differential protection

Application training module



This advanced course offers an in-depth exploration of transformer differential protection, covering its basic principles, protection philosophy, and implementation using the Relion protection relay. Designed as a hands-on, application-focused learning experience, the course equips participants with the knowledge and skills to program relay configurations and define the appropriate settings for application setup.

Course type and methods

This is an instructor-led course with interactive discussions and practical exercises. The training is conducted within our classroom facilities in Almaty, Kazakhstan. Optionally available on-line.

Participant profile

Project engineers, system engineers, commissioning and service engineers.

Prerequisites

- P600 Relion portfolio training
- Basic knowledge of protection relays and the electrical network to be controlled.

Topics

- Introduction to power transformer faults and protection
- Basics of transformer differential protection
- Condition monitoring features

- Transformers overcurrent, earth-fault, and thermal protection
- Programming of transformer differential protection: logic and settings

Objectives

After this course, the participant will be able to:

- Understand the basics of transformer differential protection
- Configure transformer differential protection using the Relion relay
- Create and set up a REX640 project for transformer protection
- Define the correct settings for the application setup
- Troubleshoot and manage transformer differential protection configurations

Course information	
Course code	P687
Duration	1 day
Language	Kazakh / English / Russian
For course request	please click here
Contact	assemgul.mambetova@kz.abb.com

