

Operation & Maintenance Customer Training

Generator Circuit-Breaker (GCB): 2 days on-site



For anyone managing GCB assets, it is essential to understand the components, the operation and the maintenance criteria. Our training concept combines classroom training and practical lessons in the best possible way.

On-site teaching

The on-site training takes place at the power plant.

ABB is the leader in design and manufacturing of GCBs since 1954 with more than 8,000 deliveries in over 100 countries. We provide training to our customers to help them ensure safe, cost-efficient and minimum risk during operation of their GCBs.

The program on the reverse is used for reference.
The program can be adjusted according to special customer needs.

Learning Objectives

After the course the participant knows and understands...

- the components and its function
- the operating modes, controls and alarms
- the overhaul criteria
- how to set up a maintenance plan for the project-specific Generator Circuit-Breaker system
- relevant technical documentation
- characteristics of SF₆-Gas
- health and safety aspects

Participant profile

Personnel in following areas:

- Engineering, operation and maintenance personnel
- Consultants from electricity supply industry

Course type and methods

- Presentations
- Practical demonstrations
- Exercises

Prerequisites

Basic knowledge on electrical and/or mechanical engineering

Duration

2 days

Program	
Product description and design	<ul style="list-style-type: none"> • Components • Function of arcing chamber • Operating modes, controls and alarms • Interlocking system
Hydraulic operating mechanism	<ul style="list-style-type: none"> • Components • Function • Preventive maintenance
SF ₆ -Gas	<ul style="list-style-type: none"> • Characteristics • Health and safety aspects
Maintenance concept	<ul style="list-style-type: none"> • Maintenance plan • Overhaul criteria • Preventive maintenance • Periodic checks
Identification and documentation of customer's GCB system	<ul style="list-style-type: none"> • Dimension drawing • Nameplate information • Schematic diagram • Factory acceptance test report
Hands-on training	<ul style="list-style-type: none"> • Components and parts • Electrical & manual operation of the GCB • Maintenance exercises • Alarm devices and functions

The Generator Circuit-Breaker is essential to protect key equipment such as the generator and transformer from damage. The training program enables your personnel to enhance their operation and maintenance skills with your generator circuit-breaker systems.



Generator
Circuit-Breaker
Type: HEC 10