

COURSE DESCRIPTION

CHH682 – Sace Breaker Emax

Course goal

The goal of this course is to provide participants with the required theoretical knowledge to switch on-off-reset a specific breaker of Sace family.

Main learning objectives

The participants will be able to:

- Identify the hardware components and the installation principles
- Understand the functionality of the main components of the Sace breakers
- Assist the ABB commissioning engineer on-site during installation, erection and commissioning phase
- Use, set and document Sace workouts during erection and operation of the plant

Participant profile

This training is focused on commissioning, maintenance and service personnel.

Prerequisites

Participants should have basic know-ledge about electro technic skills.

Topics

- Main protection options
- Emax minimum features
- Sace communication modules for Mod-bus
- Operation
 - Rating plate
 - Rating plugs
 - Operating and signaling parts
 - Covers
 - Manual loading of closing spring
 - Electrical loading of closing spring
 - Closing/opening the circuit-breaker
 - Racking-in/out operation
 - Racking-in/racking-out positions
- Documentation

Course type and methods

This is an instructor-led course (various subject-matter experts) with discussions, demonstrations and associated theoretical exercises. Limited practical hands-on activities are also part of this basic course.

Duration

The duration is approx. 1 hour.

Remarks

This training course will be executed at ABB factory and training facilities in Switzerland before installation and commissioning of the MNS and MNSiS system at customer site and shall be scheduled accordingly.

Course map

- Welcome, personnel introduction
- Course introduction
- Short presentation about ACB and MCCB overview
- Short introduction, how to set the protection of the breakers
- Short introduction how to operate manually the breakers (ON, OFF, Reset)
- Questions and answers
- Evaluation
- Course close