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 activi-
ties 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 pro-
tection of the breakers
— Short introduction how to operate
  manually the breakers (ON, OFF, Reset)
— Questions and answers
— Evaluation
— Course close