

## COURSE DESCRIPTION

# CHH681 – ABB Wiring Diagrams

### Course goal

The goal of this course is to provide participants with the required theoretical knowledge to read and use the wiring diagrams in the right manner.

### Main learning objectives

The participants will be able to:

- Understand and be able to read the functionality of the main points in ABB LPLS wiring diagrams
- Assist the ABB commissioning engineer on-site during installation, erection and commissioning phase

### Participant profile

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

### Prerequisites

Participants should have basic knowledge about mechanical and electro technic skills.

### Topics

- Structure of wiring diagrams
  - Title view
  - Table of content
  - Technical data's
  - Coordination table
  - Layout drawing
- Vertical position coding
  - Location with "E"-position
  - Module position
  - MNSiS module coding
- ABB wiring diagram
  - Page number
  - Functional groups (no of pages)
  - Device labels and functional groups
  - Cross references

### 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 main points in wiring drawings of ABB
- Knowledge how to read, understand and use it
- Questions and answers
- Evaluation
- Course close