

## COURSE DESCRIPTION

# CHH684 – MNSiS I Standard

### Course goal

The goal of this course is to provide participants with the required theoretical knowledge to use, set and optimize the MNSiS system.

### 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 MNSiS system
- Assist the ABB commissioning engineer on-site during installation, erection and commissioning phase
- Use, set and document MNSiS workouts during erection and operation of the plan

### Participant profile

This training is focused to engineering staff, design, planning as well as commissioning, maintenance and service personnel.

### Prerequisites

Participants should have basic knowledge about electro technics and intelligent systems and they should have some computer skills.

### Topics

- General system overview
- Functional description of MNSiS system
  - MNSiS applications
  - Ratings
  - Design aspects
  - Compartment rooms in MNSiS
  - Functional aspects
  - Several module types for different requirements

- Functional description of MNSiS of the main components
  - System overview
  - Interface DCS/LVS MLink
  - Control and protection MControl
  - Power module, MStarts
  - Human machine interface MView
  - Control and power condaptors
- Parameterization tool
  - Installation of MNavigate
  - Tool description
  - How to use it
- DCS and switchgear communication
  - Fieldbus interface
  - MView interface
- Erection and service instructions
  - Use of information in MNSiS
  - MNSiS documentation
  - Hardware exchange
  - Software upgrades

### 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 2 days.

### Remarks

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

## Course map

	DAY 1	DAY 2
<b>Topics</b>	Welcome, personnel introduction Course introduction MNSiS System overview Hardware overview Software overview Tool overview	Review day 1 Installation of SW tools Practical exercise with SW tools Troubleshooting Documentation Questions and answers Evaluation Course close
<b>Time</b>	9:00 am – 5:00 pm	9:00 am – 5:00 pm

Typical course layout (time or sequence may change)