

Course description

G719

ACS 1000 Hands-on and Update Training

Description

Consecutively to the G710 ACS 1000 Service and Commissioning course the participants can deepen their knowledge on ACS 1000 by completing the G710 hands-on course. Based on practical exercises the students will get familiar with the handling and commissioning of the drive and application software using demo units and demo control boards. The fully functioning demo drives (water & air cooled) enable the participants to carry out real commissioning work. Participants will be encouraged to work on their own, with support from an instructor when required.

Objectives

After completion of the course the participants will be able to:

- Operate the ACS 1000
- Carry out "cold" commissioning and preventive maintenance works
- Troubleshoot the drive

Contents

- Powering the drive (auxiliary power)
- Insulation test
- Commissioning and maintenance of the Air & Water Cooling Drives
- Software download
- Application parameter settings
- Using SW tools (DriveWindow, DriveDebug)
- Replacement of Hardware components
- Measuring and checking electrical components
- Replacing diodes and IGCTs
- Troubleshooting procedures: fault finding and repairing

Participants

Service and Commissioning Engineers

Prerequisites

Completion of the G710 Service and Commissioning course



Methods

Practical hands-on training using the demo drive, demo stand and demo control boards, with well chosen exercises to encourage confidence and learning.

Duration

3 days

Course description

G719

ACS 1000 Hands-on and Update Training

Course outline

Day 1	Day 2	Day 3
<ul style="list-style-type: none">■ Introduction to the demo equipment■ Carry out the practical work based on the exercises■ Discussion of problems/questions with the instructor	<ul style="list-style-type: none">■ Carry out the practical work based on the exercises■ Discussion of problems/questions with the instructor	<ul style="list-style-type: none">■ Carry out the practical work based on the exercises■ Discussion of problems/questions with the instructor■ End of training

ABB Switzerland Ltd.

Power Electronics and Medium Voltage Drives

www.abb.com

www.abb.com/abbuniversity

Power and productivity
for a better world™

