

## Course description

# G162B

## ACS6000 drive control section with AC800M

### Start-up, maintenance and service hands-on training

#### Course Duration

The course duration is 2.5 days.

#### Course type

This is a classroom course with hands-on lab activities supported by an instructor.

#### Course Goal

The goal of this course is to teach students to start-up, operate, maintain, troubleshoot and repair the control section AC800M of ACS6000 drive systems.

#### Student Profile

This course is intended for electricians, technicians, and engineers who maintain control sections of ACS6000 drive systems with the AC800M.

#### Prerequisites

- Basic knowledge of electronics
- Experience with using a Windows PC

#### Description

This course contains hands-on training with AC800M units.

This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure of possible learning paths.

#### Course Objectives

Upon completion of this course, students will be able to:

- Perform the basic start-up tasks
- Locate and correct faults, trace input and output signals of the AC800M
- Replace a faulty module
- Make backups and restore application programs
- Use AC800M SW tool programs

#### Main Topics

- System components and functions
- Using and interpreting system documents
- Application program structure and basic functional blocks
- Operation and basic use of the SW tool program in monitoring and fault tracing
- Backup and restore
- Fault tracing methods and reparation of the AC800M

#### Low voltage drives training

ABB University Finland, Helsinki Training Center  
Helsinki.abbuniversity@fi.abb.com  
[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)

## Agenda

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### Day 1

- 13:00 Introduction of the course
- 13:15 Introduction of the AC800M
- 14:00 Break
- 14:15 HW for the AC800M
- 15:15 HW documentation
- 16:00 End of day 1

### Day 2

- 08:30 Controller Preparation
- 10:00 Break
- 10:15 Control Builder Overview
  - Exercises
- 12:00 Lunch
- 13:00 Control Builder Professional
  - Program structure
  - Programming languages
  - Exercises
- 14:00 Break
- 14:15 Control Builder Professional
  - Control Modules
  - Measuring
  - Exercises
- 16:00 End of day 2

### Day 3

- 08:30 Links of the AC 800M and devices
- 09:30 Break
- 09:45 SW construction
- 10:30 Signal Tracing
- 11:30 Maintenance
- 12:00 Lunch
- 13:00 G2000 Panel
- 14:00 Break
- 14:15 Recap of the course
- 15:00 End of the course

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