

COURSE DESCRIPTION

# G187

## ACS800N-87LC Start-up, Maintenance and Hands-on Training



### Course Type and Description

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

The course contains theoretical presentations and hands-on exercises with ACS800N-87 Liquid cooled Wind Turbine Drive unit.



### Main Topics

- Reading and interpreting circuit diagrams
- Installation procedure
- Locating and identifying terminals, boards and other components
- Converter commissioning
- Changing the setting
- Fault indications and maintenance
- DriveWindow commissioning and maintenance



### Course Duration

The course duration is 2 days.



### Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800N-87LC Wind Turbine drives.



### Prerequisites

Prior to attending this course, students should have

Basic knowledge of electronics

- Experience in using PCs in the Windows environment



### Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS800N-87LC Wind Turbine drives.



### Course Objective

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

- Commission and tune ACS800N-87LC drives according to manual instructions
- Use the fault tracing methods
- Replace the faulty parts and units
- Operate and maintain ACS800N-87LC drives

**Day 1**

09:00 Introduction to the Course  
09:15 System Presentation  
10:15 Break  
10:30 Installation  
11:00 DriveWindow Tool  
11:30 DriveWindow Exercises  
12:00 Lunch  
13:00 DriveWindow Exercise  
14:15 Break  
14:30 Commissioning  
16:00 End of the Day

**Day 2**

08:30 Maintenance  
09:00 Fault Tracing  
10:00 Break  
10:15 Repair  
11:00 Inverter Unit and Module Exercises  
11:45 Lunch  
12:30 Inverter Module Exercise  
14:00 Break  
14:15 Module Installation Back to the Cabinet  
15:00 Reading Circuit Diagrams  
16:00 End of the Course

---

**Street address**

ABB Oy  
Training Center  
Strömbergintie 1 Aa  
00380 Helsinki, Finland

---

**Mailing address**

ABB Oy  
Training Center  
P.O. Box 116  
00381 Helsinki, Finland

---

**Low voltage drives training**

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