

Course description

G1635

ACS800 LC multidrives for Marine applications, Operation and maintenance

Course type

This is a class room course with hands-on exercises supported by an instructor.

Course description

The course contains lectures, hands-on exercises and fault tracing with ACS800LC units.

Please see the accompanying figure of possible learning paths.

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics
- Experience in using PCs in the Windows environment

Course duration

The course duration is 2.5 days.

Student profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800 liquid cooled multidrives.

Course goal

The goal of this course is to teach students to start-up, adjust, operate, maintain and troubleshoot ACS800 liquid cooled multidrives.

Course objectives

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

- Commission and tune ACS800 multidrives
- Exchange the modules
- Operate and maintain ACS800 liquid cooled multidrives

Main Topics

- Construction of drive-, supply and cooling units
- Control panel functions
- Locating and identifying terminals, boards and other components
- Fault diagnostics
- DriveWindow commissioning and maintenance tool operations
- Cooling methods of drive- and supply units
- Functionality of the cooling unit
- Installation of the cooling unit
- Start-up of the cooling unit
- Replacement of the modules

Low voltage drives training

ABB University Finland, Helsinki Training Center
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Course agenda

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Day 1

- 9.00 Introduction of the course
- 9.15 System description
- 10.15 Break
- 10.30 Control panel functions and start- up procedure
- 11.15 Start- up exercises with the panel
- 12.00 Lunch
- 13.00 DriveWindow program
- 13.45 DriveWindow exercises
- 14.15 Break
- 14.30 Exercises continue
- 16.00 End of the day

Day 2

- 8.30 Inverter module replacement exercise
- 10.00 Break
- 10.15 Cooling unit start-up exercise
- 12.00 Lunch
- 13.00 End of the training

Day 2

- 8.30 Inverter software configuration
 - control diagrams
 - communication
- 10.00 Break
- 10.15 Optional equipment
- 11.00 Liquid Cooling Unit
- 12.00 Lunch
- 13.00 Liquid Cooling Unit commissioning
- 14.15 Break
- 14.30 Location exercises / Fan replacement
- 16.00 End of the day

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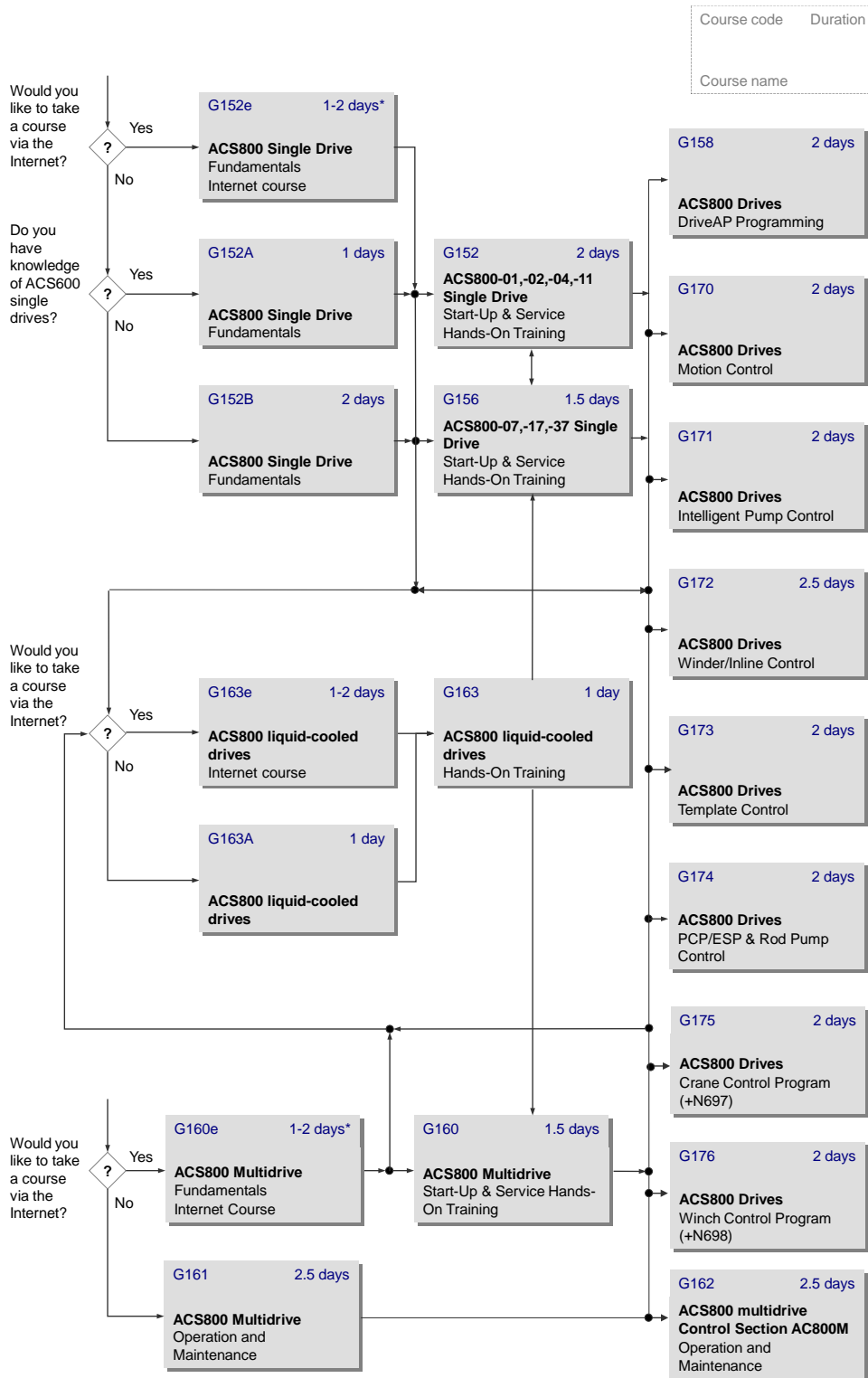
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Learning Path

ACS800 drives Learning path



* The duration of the Internet courses depends on personal professional background and study pace