Course description

G331
ACS600/DCS600 multidrive control section with AC80 startup, maintenance and service

Course Duration

The course duration is 2 days.

Course type

Classroom course

Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair the Control Section of ACS600 multidrive systems.

Student Profile

This course is intended for electricians, technicians, and engineers who maintain the Control Section of ACS600 multidrive systems.

Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- Course G330

Please refer to the accompanying figure for the course name and duration.

Description

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

Course Objectives

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

- Locate and correct faults, trace input and output signals of the AC80
- Make backups and restore application programs

Main Topics

- System components and functions
- Using and interpreting system documents
- AC80 software principles
- FCB (Function Chart Builder) program operation in measurement and fault tracing
- Backup and restore
- Fault tracing methods

Low voltage drives training
ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Agenda

G331
ACS600/DCS600 multidrive control section with AC80 startup, maintenance and service

Day 1

09:00 Introduction to the AC 80 control system

09:30 Installation of the AC 80 control system
- HW settings of the AC 80 control system

10:00 Coffee break

10:15 System software package of the AC 80
- loading exercises

12:00 Lunch

13:00 Application program of the AC 80 control System
- structure
- Function blocks generally
- DB elements generally

14:00 Coffee break

14:15 FCB- tool
- editing & measuring
- code handling

16:00 End of day 1

Day 2

08:30 Links between the AC 80 control system and devices

09:00 Coffee break

09:15 Control of drives
- DriveBus
- exercise

10:00 Control using ModuleBus
- Electrical link
- exercise

11:00 Control using AF 100
- exercise

12:00 Lunch

13:00 Fault tracing excercises and/or, depending on the course participants' needs, following alternative subjects may be handled:

Configuration of the link between the GOP-1 control panel and a printer
- GOP
- CDP 80
- Printer
- Demo program (GOP and two drives)

(or)

Configuration of the optical ModuleBus link
- editing & measuring exercise

14:00 Coffee break

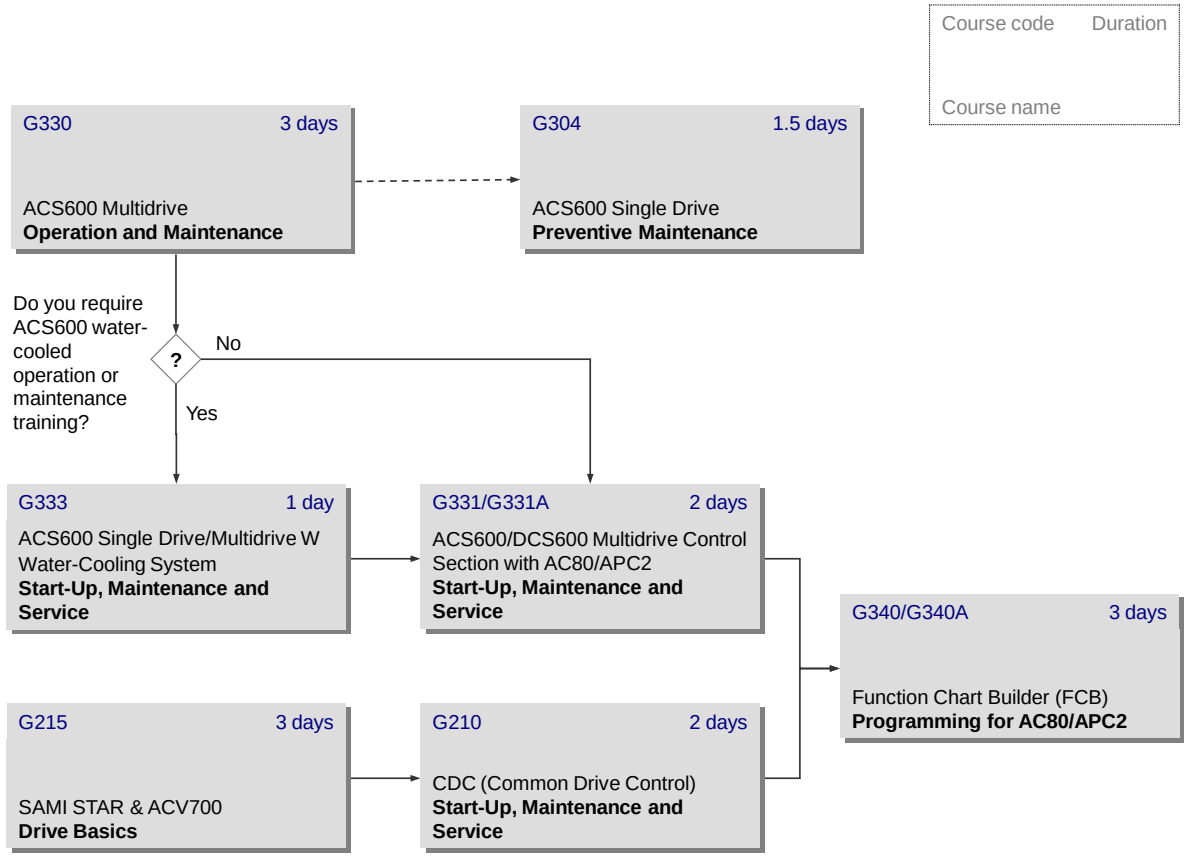
14:15 Course wrap-up

15:00 End of the course

Low voltage drives training
ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Learning Path

ACS600 Learning paths



Low voltage drives training
ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Learning Path

DC drives Learning paths

DC Drive Learning Paths

Course code	Duration
Course name	

G320	3 days
DCS500 **Operation and Maintenance**	

G530	3 days
DCS600 **Operation and Maintenance**	

G230	2 days
DCV700 **Operation and Maintenance**	

Low voltage drives training
ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity