

Course description

G331

ACS600/DCS600 multidrive control section with AC80 start-up, 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

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Agenda

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Day 1

- 08:30 Introduction to the AC 80 control system
- 09:15 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

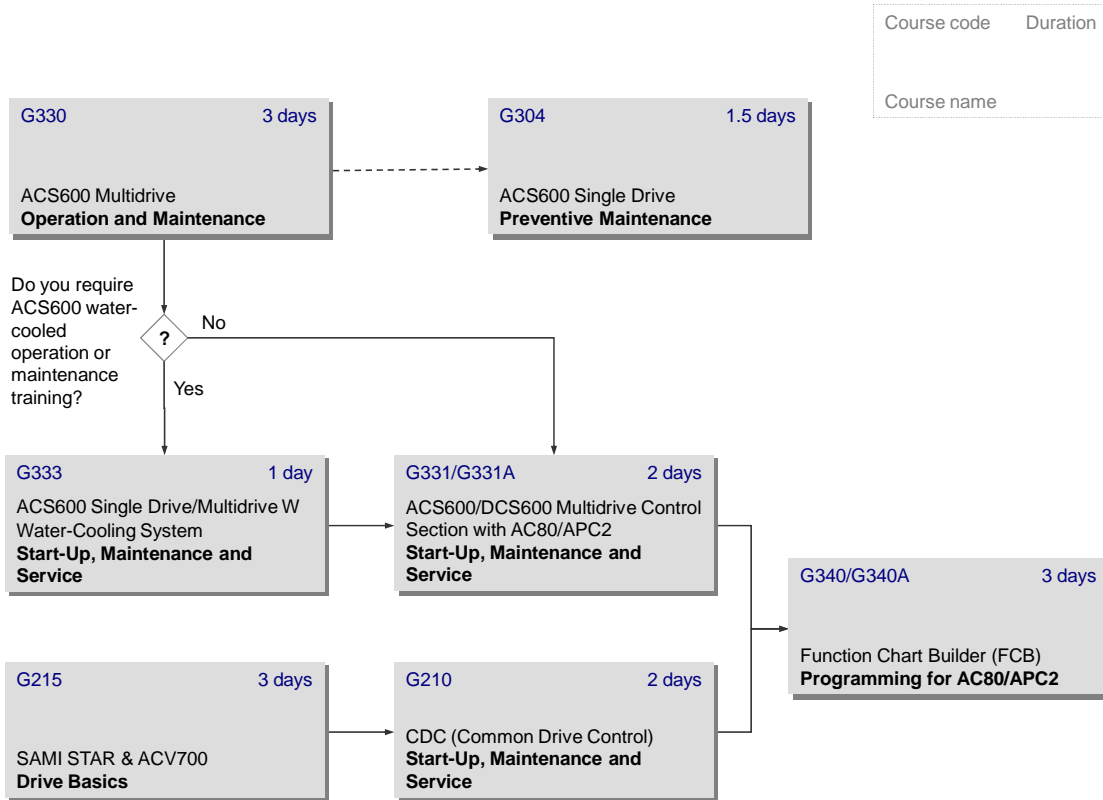
- 08:30 Links between the AC 80 control system and devices
- 09:00 Coffee break
- 09:15 Control of drives
 - DriveBus
 - exercise
- 10:00 Control using ModuleBus
 - Electrical link
 - exercise
- 11:00 Control using AF 100
 - exercise
- 12:00 Lunch
- 13:00 Fault tracing exercises and/or, depending on 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

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ACS600 Learning Paths



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