

US616

DCS800 Multidrive Operation and Maintenance



Learn basic start-up, programming, and troubleshooting skills as they apply to DCS800 MultiDrive digital converters.

Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Student Profile

This training is Ideal for system E/I technicians seeking to develop maintenance and troubleshooting skills necessary for DCS800 digital converter drive system applications.

Prerequisites

Students should know the fundamentals of working with DC converter drives and a basic knowledge of the Microsoft Windows® operating system.

Course objectives

Upon completion of this course the participants will be able to:

- DC drive fundamentals
- DC converter control and operation principles
- Identify and replace Converter unit hardware
- Working knowledge of the Converter unit software and be able to modify parameters
- Modify parameters using the DCS800 control panel

- Perform a start-up using the Driveware tools and the control panel
- Interpret fault and alarm messages, and parameter group descriptions using the system firmware manual
- Modify parameters using the Driveware tools, Drive Window and Drive Window Light
- Monitor, trend, and collect historical data using the Driveware tools
- Set up a small application with the Drive Window Light AP program
- Fault tracing, troubleshooting and replacing cards and components
- PROFIBUS Communications
- Basic speed loop control tuning
- Drive service, maintenance and troubleshooting procedures

Duration

The duration is 4 days

Course Outline

Day 1	Day 2	Day 3	Day 4
<ul style="list-style-type: none">• Course overview• DC drives Ladenburg, Germany• DC drive basics• DCS800 introduction• DCS800 control panel• DCS800 control panel exercise	<ul style="list-style-type: none">• DCS800 hardware• Drive Window Light presentation• Drive Window Light exercise• DCS800 12 Pulse	<ul style="list-style-type: none">• Drive Window Light Adaptive Programming presentation• Drive Window Light Adaptive Programming exercise• PROFIBUS communication• Customer lab exercise	<ul style="list-style-type: none">• Drive Window presentation• Drive Window lab exercise• Drive Window commissioning exercise• Drive Window tuning exercise• Drive service, maintenance and troubleshooting

To register, contact the North America Customer Service Center or visit us online ABB Inc.
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