

CURRICULUM DESCRIPTION

DCS800 Training Authorized Startup

Tuition

Value: \$3,400

Tuition is at no cost to Channel Partners. See [“Training Class Cancellation Policy”](#) for details.

Description

This program provides the student with comprehensive instruction in the installation, wiring, and commissioning of LV (low voltage) DC (direct current) drive including commissioning for frame size D1-D7 modules, and practices for standard analog controlled installation, and installations utilizing fieldbus communications. The curriculum combines on-line, instructor-led training, and hands-on lab exercises. This Start-Up training program focuses on wall-mount and cabinet drives up to 3,000HP.

Training Type and Duration

This program is offered as a combo video-led on-line instruction and classroom Instructor-led hands-on lab exercises (0.5) day. Students will complete online modules before attending the classroom training.

Student Profile

This program is intended for ABB authorized channel partners with experience working with and installing LV DC Drives. The students is responsible for installation and technical services related to maintaining LV DC Drives.

Prerequisites

To register for this program, you must have completed the ACS580 Authorized Start-Up program.

Classroom Prerequisites

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV DC Drives
- Understanding of basic motor control
- Understanding of LV DC Drive operation
- Product operational knowledge for the DCS800
- Attended a product overview training program for the DCS800 or the US9108 DC Sales Training
- Familiarity with product commissioning PC tools

Authorized Start-up Program

The authorized start-up program provides the channel partner trained technicians with the knowledge and capability to start-up LV DC Drives. The authorized technician can perform a drive installation and ensure it is configured properly for service in the application. Once the drive is commissioned, the product’s warranty is enhanced per the supplemental warranty document.

Authorized Start-up advantages:

- Additional customer engagement
- Extended installed life of drive product
- Customer satisfaction
- Differentiation from box mover or web purchase
- Authorized start up is a component of life cycle management

Customer benefits:

- Properly installed and commissioning drive
- Enhanced warranty per the supplemental warranty document
- Extended life of drive product
- Increased production and process up time

Learning Objectives

Upon successful completion of this program, students will obtain the following:

- Gain skills to apply basic safe work practices for installation and commissioning of LV DC Drives
- Understand the risks associated with LV DC Drives
- Understanding the installation requirements for a LV DC Drive
- Apply best wiring practices for LV DC Drives
- Commission an DCS800 including fieldbus communications
- Perform basic commissioning fault diagnostics and quickly correct installation issues on site

Student Materials

Student will receive upon completion of the instructor-led class:

- Student binder with all training materials
- The Basic Guide to Commissioning the DCS00
- Firmware Manual for the DCS800

Agenda

| Day 1 |
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| <p>8:00 a.m. – 12:00 p.m.</p> <ul style="list-style-type: none">• Program Introduction• Video and eLearning review• Firmware Configuration groups & Lab• Authorized Startup Review |