

# ACS550 Authorized Startup Training

## US9121 Program Description

**Tuition Fee - \$625 per student**

### Authorized Startup for the ACS550

The Authorized Startup training provides the student with comprehensive instruction in the installation, wiring, and commissioning of LV Drives. The curriculum combines on-line, instructor-led training, and hands-on lab exercises.

The Authorized Startup training program for the ACS550 drives focuses on commissioning for wall mount and enclosure installation of drives up to 550HP. The program includes commissioning practices for standard analog controlled installation and installations utilizing fieldbus communications.

### Program Goals

To provide students with the necessary information, tools and training to be able to assess a LV Drive installation, to configure the drive, tune the drive, and perform complete commissioning services.

### Program Type and Duration

This program is offered as a combo video-led on-line instruction and classroom Instructor-led hands-on lab exercises (1) day. Students will complete online modules before attending the classroom training.

### Student Profile

This training program is intended for ABB authorized channel partners with experience working with and installing LV Drives. Students of an Authorized Startup program would be responsible for installation and technical services related to maintaining LV Drives

### Prerequisites

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV AC Drives
- Understand basic motor control
- Understand LV AC Drive operation
- Product operational knowledge of the ACS550
- Completed product overview training program for the ACS550
- Familiar with product commissioning PC tools

### Authorized Startup Program

The Authorized Startup program provides channel partner's trained technicians with the knowledge and capability to Startup LV Drives. The Authorized technician can perform and certify the drive is installed and configured properly for service in the application. Once the drive is commissioned and Authorized, the product's warranty is enhanced per the supplemental warranty document.

Channel Partner advantages:

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

Customer benefits:

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

### Program Objectives

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

- Apply basic safe work practices for installation and commissioning of LV Drives
- Understand the risks associated with LV Drives
- Understand the installation requirements for a LV AC Drive
- Apply best wiring practices for LV Drives
- Commission an ACS550 including fieldbus communications
- Perform basic commissioning fault diagnostics and quickly correct installation issues on site

### Student Materials

Each student will receive upon completion of the program:

- Student binder with all training materials
- The Basic Guide to Installing an AC Drive
- The Basic Guide to Commissioning the ACS550

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## Program Agenda

<b>Day 1</b>
8:00AM – 5:00PM
<ul style="list-style-type: none"><li>• Program Introduction</li><li>• Startup Review</li><li>• Analog Startup Lab</li><li>• Startup Review Lab</li><li>• Authorized Startup Review</li><li>• (Optional) H/O/A and PID Lab</li></ul>

