

Curriculum Description

ACS580 to ACQ580 Training Authorized Start-Up

Tuition Fee - \$625 for authorized Channel Partners.
This training is NOT open to non-Channel Partners.

Description

This Authorized Start-Up training program for the ACQ580 drives is for students that have already completed the full ACS580 Authorized Start-Up training program. The program focuses on the water features that is not a part of the ACS580 drive. This training includes commissioning practices using Primary Settings for pumping applications.

Goals

The goal of this program is to provide participants with the information, skills, tools, and training necessary to be self-sufficient in assessing and properly programming the ACQ580 VFD.

Training Type and Duration

This curriculum is 4.5 hours using eLearning including approximately 55% hands-on lab exercises.

Student Profile

The program is intended for ABB authorized channel partners that are experienced working with and installing LV Drives. Students who complete the Authorized Start-Up program would be responsible for installation and technical services related to maintaining LV Drives.

Prerequisites

Participants must have:

- Experience working with power electrical equipment and voltage levels of up to 690Vac;
- Understanding of basic motor control and LV AC Drives;
- Operational knowledge of the ACQ580 product;
- Competence using Microsoft Windows® computers;
- Familiarity with PC-based drives commissioning tools;
- Completed all associated eLearning modules prior to enrolling in the Instructor Led classroom training.

Authorized Startup Program

The Authorized Startup program provides channel partner's trained technicians with the knowledge and capability to safely startup LV Drives. Trained technicians can perform and authorize that 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;
- Increased customer satisfaction;
- Leveraging Authorized Start-Up as 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

Learning Objectives

Upon successful completion of this training, participants will be able to ...

- ... Apply basic safe work practices for installation and commissioning of LV Drives;
- ... Define the risks associated with LV Drives;
- ... Identify proper ACQ580 hardware mounting details for various drive frame sizes;
- ... Apply best wiring practices for ACQ580 electrical connections for the motor voltage and for control I/O;
- ... Commission an ACQ580 including fieldbus communications;
- ... Perform basic commissioning fault diagnostics and quickly correct installation issues on site.

Student Materials

- All materials for this program is available for download.
- An ACQ580 Demo is required to complete this training. This demo is not supplied by training. Please reach out to you local RSE.

Agenda

Online Program Duration	Minutes
ACS580-ACQ580 ASU Prerequisite	2
The Seven Steps That Save Lives -LV	20
LV_Drive_Safety Presentation	20
ACQ580 Series Offerings - Internet Course-EN-US	25
ACQ580 Hardware Features internet course-EN-US	25
ACQ580 Keypad Lab	60
ACQ580 Keypad Lab Quiz	10
ACQ580_Adv Features	75
ACQ580_Adv Features Quiz	10
ACQ580_Startup_Exam	30

