

CURRICULUM DESCRIPTION

ACQ550 DASC Training

DASC (Drives Authorized Service Contractor)

Tuition Fee

Value, \$1780; offered at no charge for DASC members.
See "[Training Class Cancellation Policy](#)" for details.
This training is NOT open to non-DASC Members.

Description

This program is specifically designed to provide students with the part replacement knowledge and exercises to service and repair drives in the field. The class will cover safe working practices, basic troubleshooting for major drive components, disassembly, and reassembly of LV drives.

Student Profile

This program is intended for electricians, technicians, and engineers responsible for installing, servicing and maintaining the ACQ550 Drives. The student must be an employee of a DASC company. If the student is not an employee of said company, please contact ABB Training for a more appropriate program.

Training Type and Duration

This curriculum is a 1 day instructor-led training class that includes lab exercises to achieve program objectives. The USQ9120 program includes prerequisite e-learning programs, and is recommended that students complete these programs before attending the class.

Prerequisites

Participants must have:

- ACQ550 Certified Startup
- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Knowledgeable in using test equipment such as multi-meters, oscilloscope, and computer skills
- Basic understanding of LV AC Drives
- Understanding of basic motor control
- Understanding of LV AC Drive operation
- Product operational knowledge of the ACQ550
- Attended a product overview training program for the ACQ550
- Familiarity with product commissioning PC tools

Goal

The goal of this program is to teach students to adjust, operate, maintain, troubleshoot and repair the ACQ550 AC Drive using available programming and troubleshooting tools.

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
- ... Understand the risks associated with LV Drives
- ... Gain complete understanding of the installation requirements for a LV AC Drive
- ... Perform fault diagnostics and quickly correct installation issues on site
- ... Troubleshoot and correct faults using available tools
- ... Repair and replace faulty hardware

Student Materials

Upon completion each student will receive:

- Student binder with all training materials
- Product manuals

Drives Authorized Service Contractor (DASC) Program

The DASC program comprises of third party companies in the US and Canada to provide Startup and on-site repair services for ABB LV Drive products. DASC participants are authorized to repair ABB LV Drives who have received certified Startup training certification. The repair may be warranty or non-warranty. Warranty repairs are managed by ABB LV Drives Technical Support. Non-warranty repairs are managed by the DASC Company.

Information to become an authorized DASC

Contact the local district office in your area to obtain an application for DASC authorization. The application is subject to an approval process. Students can enroll in DASC programs when the application reaches a pending status.

Agenda

Day 1
8:00AM – 5:10PM
Program Introduction
DASC Policy and Procedure Review
Troubleshooting Faults Worksheet Lab
Troubleshooting Faults Doc
Block Diagrams
Static Checks Lab
Question & Answer Review
Hardware Component Replacement Lab

Note: Students will have access to ABB provided laptop with software and tools used in the training at no additional cost. Students who wish to use their own PC's for training are required to purchase, install, and test the current software versions prior to attending a classroom training event. ABB will not troubleshoot student owned PC's.

