

Course description

G393

Basic service for ACS580-01 drives

Course Duration

The course duration is 0.5 day

Course type

This is a classroom course with hands-on lab activities supported by an instructor.

Course Goal

The goal of this course is to introduce students to ACS580-01 single drive Basic service tasks.

Student Profile

This course is intended for basic level service engineers who perform basic service tasks on ACS580-01, single drives.

Prerequisites

- Access to IHMM
- Knowledge about electronics
- Knowledge about drives concerned
- Multimeter proficiency
- PC computer proficiency
- English language communication and understanding skills

Hands on courses: G390

Description

This course contains hands-on exercises with ACS580-01 demo units and ACS580-01 frames

Course Objectives

Upon completion of this course, students will be able to:

- Find service related documents in IHMM
- Understand safe work practices
- Perform useful measurements on ACS580-01 single drive
- Perform basic maintenance tasks on ACS580-01 single drives
- Perform basic trouble shooting on unpowered ACS580-01 single drive

Main Topics

- Safe work practices
- Safe measurement practices
- Drive FW update
- Panel FW update
- Panel screen shot handling
- CCA-01 cold configuration wand usage
- Control board replacement and STO verification
- Rectifier bridge measurement on a unpowered drive
- IGBT measurement on a unpowered drive
- IHMM documentation about service

Low voltage drives trainin1

ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Course agenda

G393

Basic service for ACS580-01 drives

Day program

09:00	Course Information
09:15	Exercises begin
10:30	Coffee break
10:45	Exercises continues
11:45	Finishing up the course (Checkup of assembly of the drives served and cleanup)
12:00	End of the day

The course program times may be changed by instructor.