

Course description

G106e

LV AC drive maintenance basics

Internet course

Course Duration

The course duration is 3 hours.

Course type

Internet course

Course Goal

The goal of this course is to give students the basic knowledge of technical principles of the ABB LV AC drives preventive maintenance.

Student Profile

This course is intended for LV AC drives maintenance personnel of ABB and authorized service partners.

Prerequisites

- Fundamentals of ABB LV AC drives mechanics and operation
- Basic knowledge of electronics
- G106e_a AC Drive Basic Service/ ESD and Safety in onsite work, Internet course
- Experience in using a computer and Internet browser. The recommended browser is Microsoft Internet Explorer version 5.0 or later.
- An Internet connection

Course Objectives

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

- Describe the ABB Drives lifecycle management model
- Describe the ABB Drives preventive maintenance program
- Describe the effects of critical ambient conditions
- Describe the effects of aging of components
- Describe the effects of aging of the whole drive system
- Describe different mechanical and electrical connection types, checking of the condition of the connections and corrective actions.
- List the needed SW and HW tools used in preventive maintenance

Main Topics

The course includes the following course units:

- LV Drives preventive maintenance fundamentals
- Ambient conditions
- Aging of the drive system and components
- Connections
- Preventive maintenance tools
- Course exam

Low voltage drives training

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