

Course description

G933e

Service refreshment training for motors and generators for hazardous areas

Course goal

The goal of the course is to refresh the knowledge of the certified personnel for maintenance of ABB's AC low and high voltage induction and synchronous motors and generators on the following protection types: flameproof, increased safety, pressurized, non sparking and dust ignition proof.

Learning objectives

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

- describe the relevant standards and main principles of protection types
- describe the hazardous area motor and auxiliary constructions and motor protection
- carry out trouble shooting, adjustments and settings of hazardous area motors
- describe which the permitted maintenance and repair actions are
- carry out, supervise or advice maintenance and repair of hazardous area motors
- test the functionality of the motor after undertaken actions

Participant profile

This training is targeted to service and maintenance technicians.

Prerequisites

G932 Service Training for motors and generators for Hazardous areas or G933 Service Training for motors and generators for Hazardous areas. The standard recommend to take this training not later than every three years.

Topics

- Application environments, directives and standards (EN and IEC-standards)
- Hazardous area motor product range and design
- Service requirements for hazardous area motors, testing, mounting

Course type and methods

This is a web-based training course. The motor experts are assisting the students in the net. The training will be based on IEC 60079-17 and IEC 60079-19 standards. In the end of the training a test will be held to ensure that participants have gained a sufficient knowledge. Available languages are English, Italian, Spanish, French and German.

Course duration

The duration is dependent upon the participant, this course is equivalent with 1,5 day classroom training.

BU Motors and Generators training

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