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G933e

# Service refreshment training for motors and generators for explosive atmosphere

## COURSE DESCRIPTION

### Course goal

The goal of the course is to refresh the knowledge of the certified personnel for supervising 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 explosive atmospheres motor and auxiliary constructions and motor protection
- carry out trouble shooting, adjustments and settings of explosive atmospheres motors
- describe which the permitted maintenance and repair actions are
- carry out, supervise or advice maintenance and repair of explosive atmospheres motors
- test the functionality of the motor after undertaken actions

### Participant profile

This training is targeted to service and maintenance technicians. Ex responsible at service workshops for motors and generators in explosive atmospheres.

### Prerequisites

G933 Service Training for motors and generators for explosive atmospheres certification that is no more than 3 years old.

### Topics

- Application environments, directives and standards (EN and IEC-standards)
- Explosive atmospheres motor product range and design
- Service requirements for explosive atmospheres 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 set of standards as well as ABB rules. In the end of the training a test will be held to ensure that participants have gained a sufficient knowledge. The course language is English.

### Course duration

The duration of this course is 2 hours.

BL Motors and Generators training

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