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

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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