EUTEX INTERNATIONAL

IEC EX MAINTENANCE AND INSPECTION (IECEx COPC MODULES 004, 007, AND 008)

Introduction

This course covers maintenance and evaluating the completeness of a hazardous area verification dossier and compliance of the explosion-protected aspects of electrical installations within the constraints of visuals or close inspection.

COURSE OVERVIEW

This course will provide the attendees the ability to audit verification dossier and work safely in a potentially explosive atmosphere whilst inspecting against standards and reporting on results.

As well as, evaluating the hazardous area aspects of conducting initial, periodic, and sample audit inspections.

COURSE #AS-IEC-478

PREREQUISITES

- Qualification in a technical subject or trade credentials
- 3 years of Ex installation experience
- IECEx 001 must be attained before taking this module

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COURSE CONTENTS

- Prepare for maintenance of Ex equipment and wiring
- Installation of Ex equipment and wiring systems
- Prepare for inspection of Ex equipment and wiring systems
- Inspection of Ex equipment and wiring systems
- Complete documentation

COMPETENCE ASSESSMENT

Prior to assessment candidates should be sure to have an understanding of:

- Common characteristics of explosion-protection techniques
- Standards for installation in hazardous areas
- General requirements for testing in hazardous areas
- How to take actions to limit risk of an explosion
- Methods for compliance
- Ex certification schemes
- Ex principles
- Explosion protection checks
- Flameproof (Ex 'd') explosion-protection technique
- Increased safety (Ex 'e') explosion protection technique
- Type of protection 'n' (Ex 'n')
- Intrinsic safety (Ex 'i') explosion protection techniques

LEARNING TECHNIQUES

In order to provide the highest quality training experience, this course consists of the following instructional elements:

- **Presentation** – The core elements of skill will be presented and demonstrated in a classroom environment or via EUTEX elearning platform.

- **Certification** – On demostration of competencies required (assessment) candidates will be awarded IECEx competencies 004, 007 and 008.

The awarded IECEx certificate of personnel competence is issued by our approved IECEx certification body.

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COURSE DETAILS

Target Audience
Intermediate level
Good electrical Ex knowledge

Location
All EUTEX Training Centers or at the clients facility subject to minimum number of students

Duration
1.5 days of training and 0.5 day for assessment or online at own pace and 0.5 day for assessment