

IEC EX INSTALLATION AND TESTING (IECEX COPC MODULES 003 AND 006)

Introduction

This course covers the explosion protection aspects for installing, testing, and maintaining explosion-protected and associated equipment and wiring systems.

This course is based on various parts of the IEC 60079 series.

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COURSE OVERVIEW

This course will provide the attendees the ability to match equipment with that specified for a given location, whilst working safely and to installation standards-completing all necessary documentation.

As well as, the ability to develop and manage plants maintenance schemes, incorporating strategies for inspections, repair, overhaul, replacement following manufacturer guidelines.

PREREQUISITES

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

*AS IEC 036
IECEX
003, 006*



COURSE CONTENTS

- Prepare for installation of equipment and wiring
- Installation of equipment and wiring systems
- Prepare to carry out testing
- Carry out testing
- 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 demonstration of competencies required (assessment) candidates will be awarded IECEx competencies 003 and 006.

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