EUTEX INTERNATIONAL

CompEx®

COMPEX EX 01–04

Course overview

This course provides competency-based training and assessment for electrical and instrumentation personnel working in hazardous areas.

Practical "hands-on" training and assessment in a realistic simulated environment, giving attendees a comprehensive learning experience directly related to a true industry setting.

COURSE OBJECTIVES

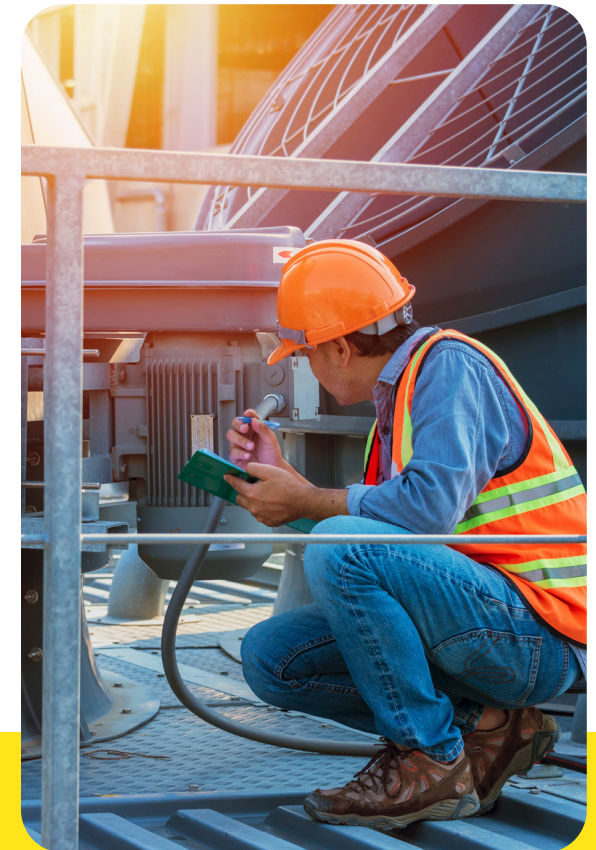Upon completion of the CompEx Ex01-04 course the student will be able to:

• Demonstrate installation and inspections skills in hazardous areas

• Understand basics of Ex protection methods and where each may be used

• Demonstrate understanding of Ex markings

• Understand which activities are and are not allowed with regards to maintenance and repairs

COURSE NUMBER AS-CMP-201 MODULES EX01-04

PREREQUISITES

• Employer letter or proof of electrical qualification

Successful completion of CompEx ExF plus or employer letter with reference/explanation of current duties are considered proof.

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THEORY CONTENTS

History of Hazardous Areas
• Standards and Directives
• General principles
• Area Classification
• Sources of ignition
• Certification and Ex Markings
• Protection Concepts
• Wiring systems & Installation methods
• Inspection and maintenance to IEC 60079-14 & 17

PRACTICAL ASSESSMENT

- **EX01** - Demonstrate ability to select suitably certified equipment and complete a partial installation of Ex d, e, and n equipment.
- **EX02** – Inspect & Identify installation errors on Ex d, Ex e, and Ex n equipment following IEC 60079-14 requirements.
- **EX03** - Demonstrate ability to select suitably certified equipment and complete a partial installation of Ex i equipment.
- **EX04** - Inspect & Identify installation errors on Ex i equipment following IEC 60079-14 requirements.

LEARNING TECHNIQUES

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

• Instructor led presentation – The core elements of skill will be presented and demonstrated in a classroom environment.
• Lab exercises – practical demonstrations of skill will be accomplished by the student.
• Final exam – The Final Exam will be administered via an online service. Lab Assessments will also be administered.
• Documentation – The attendee will receive an attendance certificate from EUTEX. Upon successfully passing the exam, attendees will receive a CompEx Certificate of Competence that is valid for 5 years.

All CompEx courses are based upon IEC Standards, primarily IEC 60079: Parts 10; 14 & 17 and provide certification suitable as a competency validation.

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COURSE DETAILS

Target Audience
Electrical installation and inspection personnel, assembly manufactures.

Location
All EUTEX training centers or client's premises via mobile facility. (Subject to minimum candidates).

Duration
5 business days from 8:00 AM to 4:00 PM