

CompEx 01-04

AS-CMP-201
MODULES EX01-04

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.

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.

CompEx[®]
Approved Training Provider No.078

COURSE OBJECTIVES

Upon completion of the CompEx Ex01-04 course the student will demonstrate the following

- 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 Content

- 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

Who is this for?

Electrical installation and inspection personnel, assembly manufacturers.

Duration

5 Business Days



Learning Technique

To deliver top-quality training, this course consists of the following instructional elements:

Instructor Lead 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.

Certification

The attendee will receive an attendance certificate from ELITE. Upon successfully passing the CompEx exam, attendees will receive a CompEx Certificate of Competence valid for 5 years.