

# Installation, Maintenance and Detailed Inspection

## Target Audience

This course is aimed at tradespersons, supervisors or engineers whose job function involves the installation, maintenance and detailed inspection of electrical/ instrumentation equipment in potentially hazardous areas.

### National Units of Competency Offered:

UEENEEM080A	Report on the integrity of explosion protected equipment in a hazardous area
UEENEEM020A	Attend to breakdowns in hazardous areas - gas
UEENEEM021A	Attend to breakdowns in hazardous areas - dust
UEENEEM022A	Attend to breakdowns in hazardous areas - pressurisation
UEENEEM024A	Install explosion-protected equipment and wiring systems - gas
UEENEEM025A	Install explosion-protected equipment and wiring systems - dust
UEENEEM026A	Install explosion-protected equipment and wiring systems - pressurisation
UEENEEM028A	Maintain equipment in hazardous areas - gas
UEENEEM029A	Maintain equipment in hazardous areas - dust
UEENEEM030A	Maintain equipment in hazardous areas - pressurisation
UEENEEM039A	Conduct testing of hazardous areas installations - gas
UEENEEM040A	Conduct testing of hazardous areas installations - dust
UEENEEM041A	Conduct testing of hazardous areas installations - pressurisation
UEENEEM042A	Conduct visual inspection of hazardous areas installations
UEENEEM044A	Conduct detailed inspection of hazardous areas installations - gas
UEENEEM045A	Conduct detailed inspection of hazardous areas installations - dust
UEENEEM046A	Conduct detailed inspection of hazardous areas installations - pressurisation

### Endorsements:

Ex d; Ex e; Ex i; Ex n; Ex p & Ex t

### Standards:

MOXI's courses incorporate the latest AS/NZS standards and are continually maintained to ensure currency

### Qualification:

Statements of Attainment will be issued in Partial Completion of UEE42610

### Course Content:

- EEHA competency
- Combustible substances
- Hazardous area classification principles
- Electrical equipment protection techniques
- Equipment marking
- Equipment certification
- Installation
- Maintenance
- Inspection
- Testing
- Grades of inspection
- Periods of inspection
- Inspection documentation
- Codes of practice
- Typical inspection sheet
- Equipment checks (protection technique)
- Prioritise non conformities
- Formal inspection report
- Permit to work system and safe isolations

### Competency Assessment:

- Hazardous area fundamentals
- Equipment marking
- Equipment certification
- Equipment hook up and terminations
- Types of inspections
- Reporting and documentation
- Health & Safety policies and procedures
- Device interpretations
- Test, special tools and equipment
- Drawing and classification interpretations

Course Length: 5 Days  
Taught Hours: 40  
Practical Content: 40%  
Theoretical Content: 60%

### Pre-requisites:

Persons are required to have a valid Australian electrical license, or Trade qualification and or Degree. Other pre-requisites may apply, please contact MOXI for further information.

### Note:

In compliance with Training package requirements, participants must;

- Demonstrate appropriate industry experience, recommended minimum of 2 years
- Demonstration of Australian Electrical License, Trade qualification or Degree
- Submit practical evidence where the course is delivered at the workplace and access to plant or equipment is not available

MOXI's course consists of 2 elements, theory and practical. When completed at MOXI's facilities the theory and practical elements are provided. When completed at the workplace it may be necessary to submit practical evidence after completion of the course where access to plant and or machinery is not available.

### License to practice:

Persons meeting the pre-requisites may attend and achieve the competencies offered by this course; application in the workplace requires a License to Practice (Australian Electrical or Restricted Electrical).

For further information or customised training, call MOXI on 1300 668 992.

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