



Australian Government

UEESS00114 Hazardous Areas – Electrical equipment in gas atmospheres

Release: 1

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Modification History

Not applicable.

Description

This Skill Set covers the explosion-protection aspects for gas atmospheres of installing, maintaining, testing inspecting and attending to breakdowns of explosion-protected and associated equipment. It requires the ability to follow specifications, standards and work programs, work safely and complete the necessary documentation.

This Skill Set is directly equivalent to Unit 2.3 Attend to breakdowns in hazardous areas, Unit 2.5 Install Explosion-Protected equipment and wiring systems, Unit 2.7 Maintain equipment in hazardous areas, Unit 2.10 Conduct testing of hazardous areas installations, Unit 2.12 Conduct detailed inspection of hazardous areas installations and Unit 2.2 Report on the integrity of explosion-protected equipment in hazardous areas in the Australian/New Zealand Standard AS/NZS 4761.1 Competencies for working with electrical equipment for hazardous areas (EEHA) Part 1: Competency Standards. Equivalence includes endorsement in the explosion-protection techniques listed in the Range statement of this Skill Set.

Pathways Information

The units of competency in this skill set will contribute to the completion of relevant Certificate IV, Diploma and Advanced Diploma qualifications from the UEE11 Electrotechnology Training Package. Please consult the packaging rules of the relevant qualification for further advice

Licensing/Regulatory Information

The skills and knowledge described in this skill set are subject to regulatory requirements including applicable WHS/OHS and Electrical regulations and compliance with applicable Australian Standards.

Where plant and equipment operate at voltages above 50 V a.c. or 120 V d.c. a license to practice in the workplace is required.

Subject to applicable regulations including relevant WHS/OHS regulations, in some jurisdictions, a license to practice may be required to carry at work at extra low voltage.

Other conditions related to communications, electrical work, fire protection, gas work, high voltage work, refrigeration/air conditioning and security may apply in some jurisdictions subject to regulations.

Practice in the workplace and during training is also subject to regulations directly related to occupational health and safety and where applicable contracts of training such as apprenticeships.

Skill Set Requirements

UEENEEM020A Attend to breakdowns in hazardous areas – gas atmospheres

UEENEEM024A Install explosion-protected equipment and wiring systems - gas atmospheres

UEENEEM028A Maintain equipment in hazardous areas - gas atmospheres

UEENEEM039A Conduct testing of hazardous areas installations – gas atmospheres

UEENEEM044A Conduct detailed inspection of hazardous areas installations — gas atmospheres

UEENEEM080A Report on the integrity of explosion-protected equipment in a hazardous area

Target Group

Those undertaking this skill set should hold:

Competency required by a given industry or enterprise for plant or machinery operation or installations, maintenance or service functions at least at AQF 3 or equivalent.
or

Competencies in attending to breakdowns in general electrical or instrumentation equipment mechanical plant/equipment service and maintenance at least at AQF level 3 or equivalent.
or

Competencies in installation of general low-voltage or extra-low voltage electrical /electronic equipment and wiring systems at AQF 3 or equivalent.

or

Competencies in conducting testing of general electrical, electronic, instrumentation and/or data communication installations has been achieved at AQF 3 or equivalent.

Suggested words for Statement of Attainment

This Skill Set from the UEE11 Electrotechnology Training Package meets the industry requirements for Hazardous Areas – Electrical equipment in gas atmospheres

Custom Content Section

Not applicable.