



Australian Government

UEESS00117 Hazardous Areas – Design and Classification

Release: 1

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Modification History

Not applicable.

Description

This unit covers the explosion-protection aspects of designing electrical power, control and instrumentation systems and installations. It requires the ability to identify hazardous area zones from classification diagrams, or from examples of previously classified areas or those given in Standards, and to select and locate explosion-protected equipment and wiring systems and other items that may influence the explosion-protection technique, classify areas where flammable/combustible potentially explosive materials may exist. It requires the ability to gather and analyse data relative to explosion hazards, determine the extent of risk and establish and document zones and establish design briefs and to pursue economical and effective design solutions

This Skill Set is directly equivalent to the Units 2.16 Classify hazardous areas, 2.17 Plan electrical installations for hazardous areas and 2.18 Design explosion-protected electrical systems and installations in the Australian/New Zealand Standard AS/NZS 4761.1 Competencies for working with electrical equipment for hazardous areas (EEHA) Part 1: Competency Standards

Pathways Information

The units of competency in this skill set will contribute to the completion of relevant 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

Readers should ensure that they have also read the part of the Training Package that outlines licensing and regulatory requirements.

Skill Set Requirements

UEENEEM052A Classify hazardous areas - gas atmospheres

UEENEEM053A Classify hazardous areas - dust atmospheres

UEENEEM054A Plan electrical installations for hazardous areas - gas atmospheres

UEENEEM055A Plan electrical installations for hazardous areas - dust atmospheres

UEENEEM057A Design explosion-protected electrical systems and installations - gas atmospheres

UEENEEM058A Design explosion-protected electrical systems and installations - dust atmospheres

Target Group

Competencies in gathering and analysing technical data at AQF6 or equivalent

Competencies in designing electrical systems and installations at AQF level 6 or equivalent

Suggested words for Statement of Attainment

This Skill Set from the UEE11 Electrotechnology Training Package meets the industry requirements for Hazardous Areas – Design and Classification

Custom Content Section

Not applicable.