UEESS00117 Hazardous Areas – Design and Classification

Release: 1
UESS00117 Hazardous Areas – Design and Classification

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.