Australian Government

UEEHA0026 Maintain equipment associated with hazardous areas

Release: 1

UEEHA0026 Maintain equipment associated with hazardous areas

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

This unit replaces and is equivalent to UEEHA0006 Maintain equipment associated with hazardous areas.

Prerequisite requirements have been amended.

Application

This unit involves the skills and knowledge required to maintain equipment associated with hazardous areas. It includes determining required remedial maintenance from inspection reports; carrying out remedial and breakdown maintenance in compliance with regulations and safe working methods, standards and manufacturer's instructions; and completing the necessary maintenance documentation.

For the purpose of applying this unit, 'hazardous areas' are defined as areas in which an explosive atmosphere may be present.

Site-specific work permits may be required to work in the hazardous environment. In addition, other permits may be required, such as confined space and to operate specific pieces of equipment such as elevated work platforms (EWPs) in various jurisdictions.

Additional and/or other conditions may apply in some jurisdictions subject to regulations related to electrical work. Practice in the workplace and during training is also subject to work health and safety (WHS)/occupational health and safety (OHS) regulations.

This unit of competency and associated assessment requirements is adopted from clause 2.6 of AS/NZS 4761.1:2018 Competencies for working with electrical equipment for hazardous areas (EEHA). There may be differences between the content of this unit and AS/NZS 4761.1:2018, so the Standard must be checked to ensure compliance with it. Clause 2.6 of AS/NZS 4761.1:2018 includes the following precondition for assessment:

- "A candidate seeking assessment in this unit shall have been deemed competent to maintain electrical equipment in a non-hazardous area at AQF level 3 or NZQF level 4.

Pre-requisite Unit

UEEHA0004 Enter a classified hazardous area to undertake work related to electrical equipment

UEEHA0022 Determine the explosion-protection requirements to meet a specified classified hazardous area

© Commonwealth of Australia, 2022 Australian Industry Standards

Competency Field

Hazardous

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare to carry out maintenance of equipment	**1.1** WHS/OHS policies and procedures to work in hazardous areas are identified and applied
	1.2 Area classification and details of explosion-protected equipment and wiring are ascertained from hazardous area zone drawings and equipment certification documents held in the verification dossier
	1.3 Extent of remedial maintenance to be conducted is determined from regulatory requirements and/or inspection records held in the verification dossier
	1.4 Extent of breakdown maintenance is evaluated and confirmed with person/s reporting the breakdown
	1.5 Limits of breakdown maintenance that can be carried out in situ with regard to explosion risk is determined in consultation with technical management personnel
	1.6 Required tools, equipment and testing devices are obtained and checked for operational safety
2 Carry out equipment maintenance	**2.1** WHS/OHS policies and procedures for working in hazardous areas, including isolation of equipment, are followed
	2.2 Work is carried out in accordance with inspection records
	2.3 Requirements and limitations of scheduled and breakdown remedial maintenance requirements are applied

© Commonwealth of Australia, 2022 Australian Industry Standards

	2.4	Equipment is adjusted and maintained within the limits permitted by the equipment certification and in accordance with the manufacturer's instructions
	2.5	Certification documentation for like-for-like replacement parts is sighted to ensure compliance with the equipment certification and manufacturer's instructions
	2.6	Circuits of equipment being withdrawn from service are isolated and terminated safely and in accordance with maintenance standards
	2.7	Flexible cables and cords are examined and removed from service if they are not in immediate use or are found to be defective or damaged
	2.8	Spare equipment**,** flexible cables and cords are maintained and stored where they are not likely to suffer deterioration or damage
3 Complete maintenance work and documentation	**3.1**	Inspection of maintenance work is arranged in compliance with maintenance standards and regulatory requirements
	3.2	Action is taken to rectify maintenance defects (non-conformances) found during the maintenance work inspection
	3.3	Safety assessment for isolation of equipment is recorded in accordance with maintenance standards
	3.4	Completed maintenance work is documented in accordance with requirements and forwarded to relevant person/s for inclusion in the verification dossier

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package

© Commonwealth of Australia, 2022 Australian Industry Standards

Companion Volume Implementation Guide.

Maintaining equipment associated with hazardous areas must include:

- maintaining electrical equipment in a classified hazardous area

Unit Mapping Information

This unit replaces and is equivalent to UEEHA0006 Maintain equipment associated with hazardous areas.

Links

Companion Volume Implementation Guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6

© Commonwealth of Australia, 2022 Australian Industry Standards