



Australian Government

UEEHA0015 Supervise repair and overhaul of explosion-protected rotating machines

Release: 1

UEEHA0015 Supervise repair and overhaul of explosion-protected rotating machines

Modification History

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

Application

This unit involves the skills and knowledge required to plan and supervise the repair and overhaul of explosion-protected rotating machines. It includes liaising with equipment users to establish and document the level of work required; writing specifications for the repair and overhaul and arranging for repairs to be carried out; verifying compliance of repaired and overhauled equipment; and, completing all the required documentation. It is adopted from clause 2.22 of AS/NZS 4761.1:2018 Competencies for working with electrical equipment for hazardous areas (EEHA).

This unit applies to electrical equipment repair workshop supervisory job function, designated as the 'responsible person'.

Site-specific work permits maybe 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.

Pre-requisite Unit

UEEHA0003 Determine the explosion-protection requirements to meet a specified classified hazardous area

and

UEEEL0039 Design, install and verify compliance and functionality of general electrical installations

or

UEEEL0028 Conduct compliance and functional verification of electrical apparatus and existing circuits

or

UEEIC0048 Verify compliance and functionality of instrumentation and control installations

Competency Field

Hazards

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for repair and overhaul of equipment

2 Establish the level of repair/overhaul required

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Repair facility quality assurance system is obtained, interpreted and applied
- 1.2** Instructions on repair and/or overhaul are received and expected outcomes of the work confirmed with the user
- 1.3** All documentation relevant to the equipment repair and/or overhaul is obtained, interpreted and applied
- 1.4** Where adequate relevant equipment information is not available, steps taken to source such information are documented
- 1.5** Agreement is made with the user for the repair and/or overhaul of Group II and III equipment to be completed in accordance with standards where adequate documentation is not available
- 1.6** The common requirements for equipment repair and overhaul are ascertained from relevant standards and regulations and applied to the preparation for the work only where this arrangement is permitted
- 2.1** Safe work methods are applied to measurements, and tests and inspections carried out on the equipment to establish the extent of repair and/or overhaul
- 2.2** The requirements, evaluation procedures and parameters of the type of equipment to be repaired and/or overhauled are ascertained from relevant standards and regulations and applied to establishing the extent of the work

- 5.3** Repair facility records are updated to include the job record in accordance with standards and quality system
- 5.4** The steps taken to obtain the certificate documents where adequate equipment documentation was not available are included in the repair facility records

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 Companion Volume Implementation Guide.

Supervising repair and overhaul of explosion-protected rotating machines must:

- apply to the supervision of overhaul and repair of explosion-protected equipment
- be carried out under an approved quality management system
- include access to all relevant standards and liaison with end-users

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>