



Australian Government

**UEEHA0002 Conduct visual and close
inspection of electrical installations for
hazardous areas**

Release: 1

UEEHA0002 Conduct visual and close inspection of electrical installations for hazardous areas

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 conduct visual and close inspections of the explosion-protection aspects of electrical installations associated with hazardous areas. It includes working safely in a hazardous area; identifying by visual or close inspection conditions of the electrical installation that affect the integrity of explosion-protection; and documenting inspection findings. It is adopted from clause 2.3 of AS/NZS 4761.1:2018 Competencies for working with electrical equipment for hazardous areas (EEHA).

This unit applies to basic inspection functions.

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 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

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

Hazardous

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Prepare for inspection

- 1.1 Safe work methods for undertaking visual and close inspections are obtained and interpreted
- 1.2 Knowledge of the purpose, scope and limitations of visual and close inspections is applied to preparation for the work
- 1.3 Type and location of each item of equipment subject to inspection are determined from the inspection program for the site

2 Carry out verification of compliance

- 2.1 Safe work methods for undertaking visual and close inspections in hazardous areas, including isolation of equipment, are applied
- 2.2 Knowledge of defects impairing the integrity of the type of protection that are identifiable by visual and close inspection is applied
- 2.3 Equipment is visually and closely inspected and defects impairing the integrity of the type of protection are identified

3 Record inspection results

- 3.1 Defects identified by visual and close inspection are recorded in accordance with inspection standards and site record systems
- 3.2 Documentation in relation to all aspects of the inspection is forwarded to the authorised person 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 Companion Volume Implementation Guide.

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>