



**Australian Government**

# **UEEEEC0005 Assess electronic apparatus compliance**

**Release: 1**

# **UEEEEC0005 Assess electronic apparatus compliance**

## **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 assess electronic apparatus compliance with relevant industry standards and regulations for certification or approval.

It includes preparing and evaluating electronic apparatus in determining specified compliance requirements, inspecting and setting up performance tests, evaluating inspection and test results, and documenting evaluation outcomes.

The skills and knowledge described in this unit require a licence or permit to practice in the workplace where work is carried out on electrical installations which are designed to operate at voltages greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c.).

Competency development activities in this unit are subject to regulations directly related to licensing. Where a licence or permit to practice is not held, skills and knowledge described in this unit require a relevant contract of training, such as an Australian Apprenticeship.

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.

Permits may also be required for some work environments, such as confined spaces, working aloft, near live electrical apparatus and site rehabilitation

No other licensing, legislative or certification requirements apply to this unit at the time of publication.

## **Pre-requisite Unit**

Not applicable

## **Competency Field**

Electronics and Communications

## **Unit Sector**

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Prepare to evaluate electronic apparatus compliance**

### PERFORMANCE CRITERIA

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

- 1.1** WHS/OHS processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** Hazards are identified, WHS/OHS risks are assessed, and control measures and workplace procedures are implemented in preparation for work
- 1.3** Examination and testing areas are checked for safety hazards and risk control measures are implemented in accordance with workplace safety policy and procedures
- 1.4** Relevant documentation is obtained and read to determine the certification/approval specifications for which the apparatus/equipment is to be assessed
- 1.5** Advice is sought from the relevant supervisor to ensure work is coordinated effectively with others
- 1.6** Tools, testing devices and materials needed to carry out work are obtained and checked for correct operation and safety

#### **2 Evaluate electronic apparatus compliance**

- 2.1** WHS/OHS risk control measures and workplace procedures for carrying out evaluation work are followed
- 2.2** Need to inspect, test or measure live work is determined in accordance with WHS/OHS requirements and workplace safety procedures
- 2.3** Circuits/machines/plant are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
- 2.4** Operating requirements of the electronic apparatus are identified and applied to the assessment process
- 2.5** Apparatus examination, inspection and tests are set up in accordance with certification/approval specifications, test methods and workplace procedures

- |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        | <p><b>2.6</b> Apparatus examination, inspection and tests are carried out methodically with results and comments systematically documented in accordance with certification/approval specification requirements</p> <p><b>2.7</b> Unplanned situations are dealt with safely and with the approval of an authorised person/s</p> <p><b>2.8</b> Assessment is carried out without unnecessary damage to apparatus, circuits, the surrounding environment or services using sustainable energy practices</p> |
| <b>3 Complete work and document evaluation results</b> | <p><b>3.1</b> WHS/OHS work completion risk control measures and procedures are followed</p> <p><b>3.2</b> Worksite is cleaned and made safe in accordance with workplace procedures</p> <p><b>3.3</b> Examination, inspection and test results are evaluated and non-compliance issues identified</p> <p><b>3.4</b> Examination, inspection, test results and comments on non-compliance issues are documented and reported to appropriate person/s in accordance with workplace procedures</p>            |

## 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.

Assessing electronic apparatus compliance must include at least two different electronic apparatus of the following:

- audio amplifiers
- radio and televisions receivers
- video displays
- audio and video recording/replay devices
- two-way radios
- cell phones
- instrumentation devices

- control devices

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEH147A Assess electronic apparatus compliance.

## Links

Companion Volume implementation guides are found in VETNet - -

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

# Assessment Requirements for UEEEC0005 Assess electronic apparatus compliance

## Modification History

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## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
  - implementing workplace procedures and practices
  - using risk control measures
- applying sustainable energy principles and practices
- identifying electronic apparatus compliance certification/approval specifications
- interpreting compliance documents
- setting up and conducting appropriate examinations, inspections and tests
- evaluating electronic apparatus compliance
- identifying non-compliance defects
- reporting examination and test results and non-compliance issues clearly and accurately
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- completing apparatus assessment and documenting results
- preparing to evaluate electronic apparatus certification/approval specifications compliance.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- compliance certification, including:
  - the purposes of certification of equipment
  - the parties involved in the assessment/testing and certification of equipment
  - the scheme for recognition of assessment/testing and certification
- compliance testing and assessment of electronic apparatus equipment, including:
  - types of assessment, inspection and tests
  - test set-ups and workplace procedures

- recording and reporting requirements of conformity assessment
- preparation required to assess equipment for compliance with industry standards, including:
  - documentation required prior to conducting conformity assessment
  - tests necessary to establish that an item of equipment conforms with relevant industry standards
- relevant compliance certification/approval specifications
- relevant job safety assessments or risk mitigation processes, including:
  - safe working practices
- relevant manufacturer specifications
- relevant technical industry standards, regulations, codes of practice for electronic apparatus and WHS/OHS legislated requirements
- relevant workplace documentation, including:
  - as marketed technical performance
  - industry technical standards
  - product quality endorsement standards
  - safety requirements
- relevant workplace policies and procedures.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to assessing compliance of electronic apparatus
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

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