



**Australian Government**

# **Assessment Requirements for UEECD0020 Fix and secure electrotechnology equipment**

**Release: 1**

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## **Modification History**

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

## **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 workplace health and safety (WHS)/occupational health and safety (OHS) requirements
- applying sustainable energy principles and practices
- communicating effectively with relevant stakeholders
- completing fixing and support work to electrotechnology equipment
- completing workplace documentation
- ensuring exposed and/or conductive parts, plant or machinery are isolated by an authorised person
- installing a fixing device and accessory capable of supporting up to 20 kilograms (kg) on the metal plate
- using appropriate fixing methods, tools and devices to install fixings to hollow walls, solid walls, brick, concrete and steel
- installing, aligning and adjusting fixing devices in accordance with manufacturer instructions and load limits, including installing relevant fixing support accessories/equipment
- maintaining a clean worksite and equipment
- selecting relevant fixing devices suitable for the environment they are being installed for loads, including:
  - less-than 5 kg
  - 5-20 kg
  - 20-50 kg
- selecting the correct device for supporting, fixing and protecting wiring/cabling/piping and functional accessories
- using fixing adhesives and tapes safely in accordance with manufacturer instructions and load limits
- using power drills, including selecting and changing drill bits and drill speeds.

## **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:

- devices, tools, equipment and methods for supporting, fixing and protecting electrotechnology equipment wiring/cabling/piping and functional accessories, including:
  - hollow walls, wood, masonry blocks, plasterboard and panelling
  - fixing to metal
  - solid walls, including masonry and concrete structures
  - vertical and horizontal surfaces
  - fixing adhesives and tapes
  - securing and mounting types, load limits and safe installation
  - support accessories/equipment
- relevant electrical regulations and legislations
- relevant job safety assessments or risk mitigation processes
- relevant electrotechnology equipment manufacturer specifications
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- sustainable energy principles and practices.

## 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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in 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 other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

## Links

Companion Volume implementation guides are found in VETNet - -

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

