



**Australian Government**

# **Assessment Requirements for UEEEL0049**

## **Install and maintain emergency safety systems**

**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 work health and safety (WHS)/occupational health and safety (OHS) workplace procedures and practices, including using of risk control measures
- applying sustainable energy principles and practices
- completing and reporting installation and maintenance activities
- installing electrical emergency safety systems
- maintaining electrical emergency safety systems, including:
  - determining the operating parameters of existing electrical safety systems
  - using established problem-solving methods
  - interpreting measured values appropriately
  - providing effective solutions to electrical safety system problems
  - dealing with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- preparing to install emergency safety systems
- preparing to maintain emergency safety systems.

## **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:

- installing and maintaining electrical emergency safety systems, including:
  - cells and batteries in common use:
    - primary cells
    - secondary cells
    - discharging
    - recharging
    - terminal voltages

- capacity
- discharge and recharge characteristics
- battery configurations and applications
- cell and battery safety practices
- electrical installations and emergency systems, including:
  - principles and practices of electrical emergency safety systems for electrical installations as contained in relevant Australian Standards, Building Code of Australia (BCA) and associated hazards documentation
  - arrangement and requirements for fire and smoke control equipment
  - arrangement and requirements for emergency warning and intercommunications systems
  - arrangement and requirement for emergency power supplies
- relevant job safety assessments or risk mitigation processes
- relevant 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 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 other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, 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>

