



**Australian Government**

# **Assessment Requirements for UEERE0082 Maintain renewable energy (RE) apparatus**

**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 occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- completing visual inspection of system and identifying any hazards and/or anomalies
- completing routine scheduled maintenance in accordance with maintenance schedule, technical standards and safety requirements
- monitoring and documenting performance of system
- completing physical repairs
- completing required documentation.

## 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:

- relevant WHS/OHS requirements
- relevant workplace documentation, policies and procedures
- relevant manufacturer specifications, technical standards and maintenance guidelines
- relevant regulations including licencing requirements for electrical work
- commonly used renewable energy generating and storage systems including different equipment types, layout and their componentry
- maintenance procedures for:
  - PV arrays
  - batteries
  - generators
  - Power Conversion Equipment (PCEs)
- maintenance processes including:
  - maintenance terminology
  - maintenance function and role of maintenance department
  - system maintenance including:
    - visual site and system inspection
    - scheduled preventative maintenance
    - predictive maintenance
    - corrective maintenance
  - correct isolation, shut down and re-energisation processes and procedures
  - appropriate maintenance methods for system components using appropriate safety procedures
  - maintenance data acquisition
  - procedures for maintenance quality checks.

## **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, equipment and personal protective equipment (PPE) currently used in industry

- resources that reflect current industry practices in relation to carrying out repairs to RE apparatus by replacement of components
- 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>