



Australian Government

**Assessment Requirements for UEERE0027
Coordinate maintenance of renewable
energy (RE) apparatus and 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 and performance criteria on at least one occasion and include:

- interpreting maintenance schedule requirements correctly
- accessing appropriate plant, materials and personnel
- following a maintenance schedule
- evaluating apparatus for compliance with specified requirements
- arranging for corrective action of non-compliant apparatus
- documenting maintenance work
- dealing with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including the use of risk control measures
- coordinating maintenance of renewable energy (RE) apparatus and systems
- checking isolation of circuits/machines/systems
- completing relevant reporting/documentation
- conducting quality checks
- coordinating work with relevant person/s
- determining live electrical testing/measurement requirements
- determining scope of work.

Knowledge Evidence

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

- scheduled maintenance process, including:
 - maintenance principles encompassing:
 - maintenance function
 - role of maintenance department
 - WHS/OHS requirements
 - maintenance systems encompassing:

- maintenance terminology
- preventative maintenance
- predictive maintenance
- corrective maintenance
- data acquisition encompassing:
 - plant history cards/files
 - inspection techniques
 - predictive maintenance
 - remote visual inspection
 - non-destructive testing
 - thermography
 - vibration analysis
 - oil analysis
- maintenance plan encompassing:
 - characteristics of plant operation
 - assessment of failure characteristics
 - link failure characteristics to maintenance systems
 - identify production windows
 - resources
 - labour
 - materials
 - establish plan
 - implementation procedures
- review of maintenance plan encompassing:
 - analysis of records
 - manual recording methods
 - computerised recording methods
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated 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 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 coordinating maintenance of RE apparatus and systems
- 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>