



Australian Government

Assessment Requirements for UEERE0056 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.

This unit replaces and is not equivalent to UEERE0027 Co-ordinate maintenance of renewable energy (RE) apparatus and systems. Modifications include:

- Prerequisites changed
- Significant amendments made to Elements and Performance Criteria
- Range of conditions updated
- Amendments to Performance and Knowledge Evidence.

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 two occasions and include:

- determining and applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements
- correctly interpreting:
 - maintenance schedule
 - manufacturer maintenance specifications
 - relevant regulatory requirements
 - relevant workplace policies and procedures related to maintenance
- arranging appropriate tools, equipment, materials and personnel to complete maintenance requirements
- ensuring personnel completing maintenance have required competencies, licences and/or permits
- developing and implementing a maintenance plan to achieve maintenance requirements
- coordinating and monitoring the quality of maintenance work
- ensuring maintenance records and documentation are completed and stored in accordance with requirements.

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:

- maintenance principles including:
 - maintenance function

- role of maintenance department
- WHS/OHS requirements
- maintenance systems including:
 - maintenance terminology
 - preventative maintenance
 - predictive maintenance
 - corrective maintenance
- data acquisition including:
 - plant history cards/files
 - inspection techniques
 - predictive maintenance
 - remote visual inspection
 - non-destructive testing
 - vibration analysis
 - oil analysis
- maintenance plan including:
 - 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 including:
 - analysis of records
 - manual recording methods
- computerised recording methods
- relevant manufacturer specifications
- relevant WHS/OHS 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>