



Australian Government

Assessment Requirements for UEPMNT361 Maintain wind turbine mechanical systems

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and includes:

- analysing data using analysis techniques and tools
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- completing work as per scheduled requirements communicating with personnel
- conducting preventive maintenance using maintenance procedures
- determining permit to work requirements
- dismantling and reassembling wind turbine mechanical systems using approved techniques
- implementing legislation, industry standards, codes of practice and regulations
- inspecting and testing of wind turbine mechanical systems
- interpreting manufacturers' specifications and manuals
- planning for wind turbine mechanical systems maintenance work
- recognising worn and damaged components
- selecting materials and components
- undertaking isolations
- using tools
- utilising precision measuring equipment

Knowledge Evidence

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

- equipment and materials

- generation plant and equipment, its location and operating parameters
- inspections and tests for wind turbine mechanical systems
- isolations
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- precision measuring equipment
- preventive maintenance techniques
- tools
- typical arrangements of wind farm power plant
- wind turbine types and characteristics
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>