



**Australian Government**

**Assessment Requirements for UEPMNT005  
Diagnose and repair faults in wind turbine  
control systems**

**Release: 1**

# Assessment Requirements for UEPMNT005 Diagnose and repair faults in wind turbine control systems

## Modification History

**Release 1.** This is the first release of this unit of competency in the UEP Electricity Supply Industry - Generation Sector Training Package Release 2.0.

## Performance Evidence

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

- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
  - emergency procedures
  - hazard identification
  - risk control measures
  - safe working practices
- communicating with personnel
- complying with regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- determining permit to work requirements
- gathering data
- interpreting data to establish theory about wind turbine control system faults
- interpreting fault code and similar data produced by control system monitoring
- recording wind turbine control system faults
- removing and repairing wind turbine control system faults
- tagging and storing faulty wind turbine control system parts
- testing wind turbine control system
- undertaking risk analysis
- utilising safety precautions
- verifying faults.

## Knowledge Evidence

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

- data collection
- fault codes and indicators from wind turbine control components

- fault diagnosis and verification
- installation and/or repair
- isolations
- regulations, industry standards, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- risk analysis
- safety precautions
- sensor data analysis
- tag and storage of faulty wind turbine control system parts
- techniques for replacing damaged wiring
- tests for wind turbine control system
- WHS/OHS legislated requirements, including:
  - emergency procedures
  - hazard identification
  - risk control measures
  - safe working practices
- wind turbine control systems, types and characteristics
- workplace documentation
- 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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in 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
- 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.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>