



Australian Government

Assessment Requirements for UEPMNT449

Diagnose and repair mechanical systems faults in wind turbine generators

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:

- 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
- determining permit to work requirements
- diagnosing and repairing faulty wind turbine generator mechanical system
- gathering data
- implementing legislation, industry standards, codes of practice and regulations
- inspecting wind turbine generator mechanical system and wiring
- interpreting data to establish theory about wind turbine generator mechanical system faults
- performing wind turbine generator mechanical system testing
- recording wind turbine generator mechanical system faults
- removing wind turbine generator
- repairing wind turbine generator mechanical system faults
- replacing faulty wind turbine generator mechanical system equipment, components and parts
- using manufacturers' specifications and manuals

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 includes knowledge of:

- diagnosis and repair for wind turbine mechanical system faults
- legislation, industry standards, codes of practice and regulations

- manufacturers' specifications and manuals
- permit to work system
- replacement of faulty equipment, components and parts
- report requirements
- test and inspection techniques
- 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.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>