



Australian Government

Assessment Requirements for UEPMNT450 Test and commission wind turbine generators

Release: 1

Assessment Requirements for UEPMNT450 Test and commission wind turbine generators

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
- completing work as per scheduled requirements
- determining permit to work requirements
- implementing legislation, industry standards, codes of practice and regulations
- inspecting wind turbine generator system and wiring
- planning for testing and commissioning wind turbine generator work
- selecting materials
- testing and commissioning wind turbine generator system
- testing wind turbine generator systems equipment
- undertaking isolations
- using data analysis techniques and tools
- using manufacturers' specifications and manuals
- utilising tools and 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 includes knowledge of:

- equipment and materials required
- installation, testing and commissioning practices

- isolations
- layout of wind farm plant, and operation of equipment
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- manufacturers' wind turbine generator components and parts
- permit to work system
- test and measurement instruments and techniques for use
- types of wind turbine generators and wiring systems
- typical arrangements of wind farm power production plant
- 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>