



Australian Government

Assessment Requirements for UEPMNT443 Maintain wind turbine generator control 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:

- 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
- conducting maintenance on wind turbine generator control systems
- determining permit to work requirements
- diagnosing wind turbine generator control system faults including interpreting fault codes and data
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- planning for maintenance of wind turbine generator control systems work
- reassembling wind turbine generator control system equipment and/or components
- replacing wind turbine generator control system equipment and/or components
- testing wind turbine generator control system and equipment
- undertaking maintenance on wind turbine generator control systems

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 techniques for wind turbine generator control system faults including codes
- legislation, industry standards, codes of practice and regulations
- maintenance requirements for wind turbine generator control systems

- manufacturers' specifications and manuals
- permit to work system
- reassembly techniques for wind turbine generator control system equipment and/or components
- replacement techniques for wind turbine generator control system equipment and/or components
- tests for wind turbine generator control system and equipment
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- wind turbine generation control system, types and characteristics
- 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>