



Australian Government

UEPOPS334 Operate and monitor a wind generator

Release: 1

UEPOPS334 Operate and monitor a wind generator

Modification History

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

Application

This unit involves the skills and knowledge required to operate, inspect and monitor wind generator plant.

To ensure the safe operating of a generator it is essential that regular monitoring and inspections are undertaken.

Competency in this unit requires the ability to plan work, operate wind generator plant, test wind generator plant, analyse wind generator plant faults, monitor and inspect wind generator plant and complete all documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator.

Power generation plant operators are typically trained and authorised to isolate, prepare plant and issue permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Note: Workplace practice

The application of the skills and knowledge described in this unit may require a licence or training permit to practice in the workplace where work is carried out on gas and electrical installations. Additional conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

There are no prerequisite units.

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Plan and prepare work

- 1.1** Safety issues related to operating and monitoring wind generator plant are identified, in accordance with workplace procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations and legislative requirements
- 1.2** Work requirements are identified, in accordance with workplace procedures, from relevant personnel and documentation
- 1.3** Documentation to determine wind generator plant status is assessed and evaluated, in accordance with workplace procedures
- 1.4** Inspection and field preparations for wind generator plant service are carried out, in accordance with workplace procedures and manufacturers' recommendations
- 1.5** Wind generator plant operational prerequisites are established, in accordance with workplace procedures and manufacturers' recommendations procedures
- 1.6** Sequence for recommissioning of wind generator plant is determined to suit existing circumstances, in accordance with workplace procedures and site requirements

2 Operate wind generator plant

- 2.1** Wind generator plant is operated, in accordance with workplace procedures and manufacturers' operating recommendations
- 2.2** Wind generator plant is monitored and observed, in accordance with workplace procedures, to detect deviations from normal operating conditions
- 2.3** Corrective actions are taken to rectify wind generator plant abnormalities, in accordance with workplace procedures and manufacturers' recommendations

3 Test wind generator plant operation

- 3.1** Operational tests are performed, in accordance with workplace procedures

	3.2	Wind generator plant is observed for correct operational response, in accordance with workplace procedures
	3.3	Corrective action is taken when response does not meet with documentation, wind generator plant integrity or personnel safety requirements
4 Analyse wind generator plant faults	4.1	Causes of abnormal wind generator plant operating conditions are identified, in accordance with workplace procedures, and by analysing technical and operational information
	4.2	Corrective action is taken, in accordance with workplace procedures
	4.3	Wind generator plant integrity and personnel safety is maintained, in accordance with workplace procedures, and in consultation with appropriate personnel and technical and operational documentation
5 Monitor and inspect wind generator plant	5.1	Wind generator plant to be monitored or inspected is physically identified, in accordance with workplace procedures
	5.2	Wind generator plant is monitored or inspected, in accordance with workplace procedures, for normal operation or to detect deviations
	5.3	Corrective action is taken, in accordance with workplace procedures
	5.4	Appropriate personnel are notified when defects are detected, in accordance with workplace procedures
6 Complete documentation	6.1	Wind generator plant problems, movements and status are reported, in accordance with workplace procedures
	6.2	Documentation is updated, in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS334B Operate and monitor a wind generator.

Links

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