



Australian Government

UEPOPS251 Conduct routine wind turbine maintenance

Release: 1

UEPOPS251 Conduct routine wind turbine maintenance

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 conduct a range of routine maintenance functions associated with wind turbines. Routine maintenance functions associated with wind turbines are required to ensure the smooth operation of mechanical plant and equipment.

Competency in this unit requires the ability to plan for plant in-service checks, carry out in-service mechanical checks and complete work. Individuals will, in general, work as an operator in a power generation facility.

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 for work

- 1.1** Work requirements are identified, in accordance with workplace procedures, from work orders and are confirmed with appropriate personnel or by site inspection
- 1.2** Work, Health and Safety (WHS)Occupational, Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are identified, applied and monitored
- 1.3** Resources are obtained and inspected, in accordance with workplace procedures, for compliance with job specification
- 1.4** Plans, drawings and manuals are selected, in accordance with workplace procedures
- 1.5** Correct size, type and quantity of materials and components are obtained and inspected, in accordance with workplace procedures
- 1.6** Work sequenced and prioritised, in accordance with workplace procedures and site requirements
- 1.7** Potential hazards are identified and risk control measures are selected, in accordance with workplace procedures
- 1.8** Work area is prepared, in accordance with workplace procedures

2 Conduct routine maintenance

- 2.1** Isolations are confirmed, where appropriate, in accordance with workplace procedures
- 2.2** Routine maintenance on wind turbine is conducted, in accordance with workplace procedures and site requirements
- 2.3** Minor adjustments of wind turbine are undertaken, in accordance with workplace procedures, maintenance schedules and site requirements
- 2.4** Wind turbine faults are reported to appropriate personnel, in accordance with workplace procedures

3 Complete work

- 3.1** Maintenance work is completed and appropriate personnel are notified, in accordance with workplace procedures
- 3.2** Work area is cleared of waste, cleaned, restored and secured, in accordance with workplace procedures
- 3.3** Tools and equipment are maintained and stored, in accordance with workplace procedures
- 3.4** Work completion details are finalised, 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 UEPOPS251A Conduct routine wind turbine maintenance.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>