



Australian Government

UEPOPS066 Monitor power generation plant reliability

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry - Generation Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to monitor power generating plant reliability through data assessment.

Data is collected and assessed to accurately evaluate the impact of power generating plant reliability in the operation of power generation facilities.

Competency in this unit requires the ability to collect data, perform calculations, evaluate and analyse information and produce reports, and complete work. Individuals will, in general, work under supervision as an operator, in a power generation facility.

Power generation plant operators are 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.

Pre-requisite Unit

There are no prerequisite units

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

- | | |
|---|--|
| 1 Collect data | <ul style="list-style-type: none">1.1 Information and data is collected in accordance with workplace procedures1.2 Work health and safety (WHS)/occupational health and safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are identified, applied and monitored1.3 Generating plant is identified and status established in accordance with workplace procedures1.4 Tools and equipment are identified and acquired in accordance with workplace procedures1.5 Specialist assistance or equipment is obtained in accordance with workplace procedures1.6 Information collected is recorded and ranked in accordance with workplace procedures |
| 2 Perform calculations | <ul style="list-style-type: none">2.1 Performance calculations are undertaken in accordance with workplace procedures2.2 Calculations are checked for accuracy in accordance with workplace procedures |
| 3 Analyse information | <ul style="list-style-type: none">3.1 Technical and operational information is analysed to identify abnormal generating plant operating conditions in accordance with workplace procedures3.2 Causes of abnormal generating plant conditions are identified in accordance with workplace procedures3.3 Generating plant integrity is maintained in consultation with relevant personnel and operational documentation in accordance with workplace procedures3.4 Specialist assistance is determined in accordance with workplace procedures |
| 4 Produce report and complete work | <ul style="list-style-type: none">4.1 Information and data are documented in accordance with workplace procedures4.2 Reports are produced in accordance with workplace procedures4.3 Actions to rectify generating plant loss of reliability are ranked, and recommendations are made to relevant |

personnel in accordance with workplace procedures

- 4.4** Implementation of recommendations is monitored to ensure generating plant reliability 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 UEP Electricity Supply Industry - Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS510 Monitor power generation plant reliability.

Links

Companion Volume implementation guides are found in VETNet -

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