



Australian Government

UEPOPS010 Conduct minor mechanical maintenance

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 conduct a range of minor maintenance functions associated with mechanical equipment. Minor is defined as work that is of lesser seriousness or significance in mechanical maintenance.

Mechanical equipment in a power generation facility can include a variety of plant, machinery and power tools that may contain computers and sensors to monitor and enhance performance.

Competency in this unit requires the ability to plan work, conduct minor maintenance and complete work. Individuals will, in general, work 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.

1 Plan and prepare for work

PERFORMANCE CRITERIA

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

1.1 Work requirements are identified from relevant personnel and documentation in accordance with

workplace procedures

- 1.2 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 monitored
- 1.3 Resources are obtained and inspected for compliance with job specification in accordance with workplace procedures
- 1.4 Plans, drawings and manuals are selected and used in accordance with workplace procedures
- 1.5 Correct size, type and quantity of materials and components are obtained and inspected for compliance in accordance with job specification and workplace procedures
- 1.6 Mechanical equipment work is sequenced and prioritised in accordance with workplace procedures
- 1.7 Potential hazards are identified, and risk control measures are selected and implemented in accordance with workplace procedures
- 1.8 Work area is prepared in accordance with workplace procedures

2 Perform minor mechanical maintenance

- 2.1 Isolations are confirmed in accordance with workplace procedures
- 2.2 Minor mechanical equipment adjustments are performed in accordance with maintenance schedules, and workplace procedures
- 2.3 Mechanical equipment faults are reported to relevant personnel in accordance with workplace procedures

3 Complete work

- 3.1 Mechanical equipment work is completed and relevant 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** Mechanical equipment 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 UEP Electricity Supply Industry –Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS205 Conduct minor mechanical maintenance.

Links

Companion Volume implementation guides are found in VETNet -

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