



Australian Government

UEPOPS012 Conduct non-routine operational testing

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 testing of power generation plant and associated equipment which may be of a non-routine nature.

An operational check is the verification that a group of components are safely working together. Operational checks consist of running in-service electrical plant to ensure that all the systems function together.

Competency in this unit requires the ability to plan for plant in-service checks, carry out in-service electrical checks, carry out corrective actions 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.

PERFORMANCE CRITERIA

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

- 1 Prepare for testing**
 - 1.1** 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
 - 1.2** Operational test requirements are identified in accordance with workplace procedures
 - 1.3** Operational test procedures are determined, and monitoring equipment requirements are identified in accordance with testing objectives and workplace procedures
 - 1.4** Access to power generating plant is determined in accordance with workplace procedures
- 2 Perform non-routine testing**
 - 2.1** Operational testing is performed in accordance with codes of practice, industry standards and workplace procedures
 - 2.2** Isolations are confirmed in accordance with workplace procedures
 - 2.3** Power generating plant is observed and corrective action is taken when response does not meet with operating parameters, plant integrity and personnel safety in accordance with workplace procedures
 - 2.4** Operational testing is completed and power generating plant is returned to required operational status in accordance with workplace procedures
- 3 Complete work**
 - 3.1** Relevant personnel are notified of completion of testing in accordance with workplace procedures
 - 3.2** Power generating plant problems or abnormalities are reported in accordance with workplace procedures
 - 3.3** Operational test results are interpreted and documented 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 UEPOPS346 Conduct non-routine operational testing.

Links

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