



Australian Government

UEPOPS452 Conduct operational checks and carry out corrective action on in-service electrical plant

Release: 1

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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 operational checks and carry out corrective actions on in-service electrical plant.

An operational check is the verification that a group of components or units are working together to accomplish a single objective. An operational check consists 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 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 practices

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 for plant in-service checks

- 1.1** Safety issues and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations are identified, in accordance with workplace procedures
- 1.2** Work, electrical in-service plant and resource requirements are identified from relevant personnel, work orders and documentation, in accordance with workplace procedures
- 1.3** Electrical in-service plant status and work requirements are confirmed with appropriate personnel or by site inspection, in accordance with workplace procedures
- 1.4** Equipment is checked for correct calibration and operation and materials are obtained and inspected for compliance with job specification, in accordance with workplace procedures
- 1.5** Potential hazards are identified and risk control measures are selected, in accordance with the workplace procedures
- 1.6** Pre-access checks of electrical in-service plant are carried out, in accordance with workplace procedures and site requirements

2 Carry out in-service electrical checks

- 2.1** Electrical in-service plant is operated, in accordance with workplace procedures and manufacturers' recommendations
- 2.2** Electrical in-service plant checks are conducted and monitored, in accordance with workplace procedures, to detect deviations from normal operation parameters
- 2.3** Electrical in-service checks are performed, in accordance with workplace procedures
- 2.4** Electrical in-service plant integrity and personnel safety are maintained, in accordance with workplace procedures and in consultation with appropriate personnel and technical and operational documentation

3 Carry out corrective actions

- 3.1** Corrective actions are identified after analysing electrical in-service plant operations, in accordance with manufacturers' recommendations and workplace procedures
- 3.2** Isolations are confirmed, where appropriate, in accordance with workplace procedures and site requirements
- 3.3** Equipment for use in conducting operational checks is modified using appropriate plans, drawings and manuals, in accordance with workplace procedures
- 3.4** Corrective actions are carried out on electrical in-service plant, without damage or loss to other plant, in accordance with workplace procedures
- 3.5** Modified electrical in-service plant is set up to meet operational parameters, in accordance with workplace procedures and manufacturers specifications
- 3.6** Final electrical in-service plant inspection is performed, in accordance with workplace procedures

4 Complete work

- 4.1** Operational checks and corrective actions are completed, and electrical in-service plant is returned to operational status, in accordance with workplace procedures
- 4.2** Appropriate personnel are notified of work completion, in accordance with workplace procedures
- 4.3** Electrical in-service plant problems and corrective actions are reported, 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 UEPOPS452A Conduct operational checks and carry out corrective action on in-service electrical plant.

Links

Companion Volume implementation guides are found in VETNet -

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