



Australian Government

UEPOPS146 Operate and monitor hydro plant/systems

Release: 1

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Modification History

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

Application

This unit involves the skills and knowledge required to operate and monitor hydro plant/systems in the electricity supply industry generation sector.

Routine work can include undertaking activities such as the operation of generation plant systems, operating and monitoring maintenance on equipment.

Competency in this unit requires the ability to carry out routine work activities in an electricity supply generation environment. Individuals will work, under supervision, as an operator in a power generation facility.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Operations

Unit Sector

Electricity Generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to operate and monitor work activities

PERFORMANCE CRITERIA

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

1.1 Work requirements for plant systems are identified from relevant personnel and documentation, in accordance with permit and workplace procedures

- 1.2 Initial check of plant systems to ensure work and requirements are in accordance with workplace procedures
 - 1.3 Work Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements', and workplace procedures are identified, applied and monitored
 - 1.4 Tools, equipment and Personnel Protective Equipment (PPE) are identified and checked, in accordance with workplace procedures
 - 1.5 Relevant personnel are consulted and work is coordinated on site, in accordance with workplace procedures
 - 1.6 Resources and materials are confirmed, in accordance with workplace procedures
 - 1.7 Schedule of work, including Safety Data Sheets (SDS), manual handling techniques and PPE are confirmed, in accordance with workplace procedures
- 2 **Carry out operate and monitor activities**
 - 2.1 Hazards are identified and risk controls are implemented, in accordance with workplace procedures
 - 2.2 Schedule of work for the plant is followed and work activities are completed, in accordance with workplace procedures
 - 2.3 Work practices for control room operations and monitoring are applied, in accordance with workplace procedures
 - 2.4 Alarm response and coordination from relevant personnel for unplanned events are applied, in accordance with workplace procedures
 - 2.5 Continuous checks on plant systems to ensure work and requirements are completed in accordance with workplace procedures
- 3 **Check completed operate and monitor activities**
 - 3.1 Final checks of plant systems to ensure work and requirements are completed in accordance with workplace procedures

- 3.2 Relevant personnel are notified of work completion, in accordance with workplace procedures
- 3.3 Tools, equipment, resources and materials are cleaned, checked and returned to storage, in accordance with workplace procedures
- 3.4 Work area is cleaned and made safe, in accordance with workplace procedures
- 3.5 Records are updated, 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 Electricity Supply Industry - Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit.

Links

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