



Australian Government

UEPOPS145 Undertake local systems operations

Release: 1

UEPOPS145 Undertake local systems operations

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 operate power generating plant as a local systems operation, in conjunction with coordinated systems, under the control of relevant authorised personnel.

The operation, configuration and implementation of power generation systems and plant should be considered and reviewed when undertaking local systems operations.

Competency in this unit requires the ability to plan and prepare work, operate plant 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.

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 work

PERFORMANCE CRITERIA

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

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** Work requirements are identified from relevant personnel and documentation in accordance with workplace procedures
 - 1.3** Local system operations plant status is confirmed from instructions in accordance with workplace procedures
 - 1.4** Preoperational checks are carried out on local system operations plant from instructions in accordance with workplace procedures
- 2 Operate plant**
- 2.1** System components to be locally controlled are identified and operated from instructions in accordance with workplace procedures
 - 2.2** Local system operations plant is operated within limits of design specification in accordance with workplace procedures
 - 2.3** Local system operations plant is monitored, observed and tested to detect deviations from normal operating conditions in accordance with workplace procedures
- 3 Complete documentation**
- 3.1** Local system operations plant problems, movements, and status are reported in accordance with workplace procedures
 - 3.2** Documentation is 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 UEP Electricity Supply Industry – Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS252 Undertake local systems operations.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for UEPOPS145 Undertake local systems operations

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.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe working procedures
- communicating with personnel
- completing documentation
- complying with regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- fault testing and identification, including:
 - equipment running tests
 - post-maintenance operating tests
 - standby plant tests
- operating plant and equipment
- planning and preparing work.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- fault test identification from standby plant, post-maintenance operating and equipment running tests
- operation of power generating plant and equipment in local systems operations
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements'
- WHS/OHS requirements, including:
 - emergency procedures
 - risk control measures

- safe working procedures
- workplace documentation
- workplace policies and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -

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