



Australian Government

UEPOPS118 Operate manual systems

Release: 1

UEPOPS118 Operate manual systems

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 generation plant in manual mode, in conjunction with coordinated systems, under the control of relevant authorised personnel.

Power generation plant may be manually controlled by an operator rather than automatically by a computer when required by circumstances.

Competency in this unit requires the ability to plan and prepare work, operate plant and equipment manually, and complete documentation. Individuals will, in general, work under supervision, 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

UEPOPS145 Undertake local systems operations

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.

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|--|---|
| 1 Plan and prepare work | 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 Power generation plant status is identified and confirmed with relevant documentation in accordance with workplace procedures |
| | 1.4 Preoperational checks are carried out on power generation plant in accordance with manufacturers' recommendations and specifications, and workplace procedures |
| 2 Conduct manual operation of plant | 2.1 Power generation plant to be manually controlled is identified and operated in accordance with workplace procedures |
| | 2.2 Power generation plant is manually operated within limits of design in accordance with workplace procedures |
| | 2.3 Power generation plant is monitored to detect deviations from normal operating conditions in accordance with workplace procedures |
| | 2.4 Corrective actions are taken to rectify power generation plant abnormalities in accordance with manufacturers' recommendations and specifications, and workplace procedures |
| 3 Complete documentation | 3.1 Power generation 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 UEPOPS368 Operate manual systems

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 UEPOPS118 Operate manual systems

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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) regulations, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel
- completing documentation using recording procedures
- identifying operation of power generation plant and equipment
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- operating manual systems in a power generation facility
- planning manual operation of power generation plant
- recognising power generation plant status.

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:

- arrangements of power generation plant
- manuals
- power generation plant and equipment, including location and operating parameters
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS legislated requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices

- 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

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