



Australian Government

UEPOPS368 Operate manual systems

Release: 1

UEPOPS368 Operate manual systems

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 operate power generation plant in manual mode, in conjunction with coordinated systems, under the control of appropriate 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 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 practice

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

UEPOPS252 Undertake local systems operations

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 and prepare work

1.1 Safety issues are identified, in accordance with Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards and workplace procedures

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, in accordance with workplace procedures, site requirements and documentation

1.4 Preoperational checks are carried out on power generation plant, in accordance with manufacturers' recommendations 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 operating procedures

2.2 Power generation plant is manually operated within limits of its' 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 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS368A 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 UEPOPS368 Operate manual systems

Modification History

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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, performance criteria and range of conditions on at least two separate occasions and includes:

- 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 legislation, industry standards, codes of practices and regulations
- interpreting manufacturers' specifications and 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, performance criteria and range of conditions and includes knowledge of:

- legislation, industry standards, codes of practices and regulations
- manual operation of power generation systems
- manufacturers' specifications and manuals
- power generation plant and equipment, its location and operating parameters
- typical arrangements of power generation plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices

- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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