



Australian Government

UEPOPS126 Plan a scheduled outage

Release: 1

UEPOPS126 Plan a scheduled outage

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 plan for a scheduled outage of power generating plant.

A schedule is a plan of action detailing a series of tasks to be undertaken at or during a specified time. A forced outage is the shutdown of generation facility, transmission or distribution line when a generating unit is unavailable to produce power due to an unexpected breakdown.

Competency in this unit requires the ability to identify outage requirements, create outage plans, implement outage plans and complete documentation. Individuals will, in general, work as an operator with responsibility for quality control, 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

There are no prerequisite units

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 Identify outage requirements | <ul style="list-style-type: none">1.1 Work requirements are identified from relevant personnel and site inspection in accordance with workplace procedures1.2 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 monitored1.3 Date, time and expected duration of outage is assessed and confirmed from relevant information and statistical records in accordance with workplace procedures1.4 Schematic diagrams, drawings, plans or maps are consulted to determine area affected by outage in accordance with workplace procedures |
| 2 Create outage plan | <ul style="list-style-type: none">2.1 Impact of outage is ascertained in accordance with workplace procedures2.2 Key stakeholders and equipment affected by outage are identified in accordance with workplace procedures2.3 Status of plant and consumers affected by outage is identified and assessed in accordance with workplace procedures2.4 Key stakeholders are consulted to determine timetable and contingency plan in accordance with workplace procedures2.5 Disruptions to key consumers are minimised by providing alternative routes of power generation supply in accordance with workplace procedures2.6 Scope of work to be carried out during outage is evaluated against allocated timeframes in accordance with workplace procedures2.7 Work permits required prior to and during outage are obtained in accordance with workplace procedures |
| 3 Implement outage plan | <ul style="list-style-type: none">3.1 Work crews are notified of outage plan through the relevant channels in accordance with workplace procedures |

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|---------------------------------|------------|--|
| | 3.2 | Notification of outage is communicated to all stakeholders in accordance with workplace procedures |
| 4 Complete documentation | 4.1 | Records are maintained in accordance with workplace procedures |
| | 4.2 | 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 UEPOPS423 Plan a scheduled outage.

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 UEPOPS126 Plan a scheduled outage

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 and performance criteria on at least two separate occasions and include:

- advising and communicating with key stakeholders
- applying work health and safety (WHS)/occupational health and safety (OHS) legislated requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel
- creating outage plans
- identifying outage requirements
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- investigating implications of outage
- planning outage work
- recognising power generation plant status
- using documenting and recording procedures
- working with permit to work system.

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
- communication and liaison techniques
- manuals
- outages and potential impact
- permit to work system
- power generation plant and equipment, location and operating parameters

- power generation plant status
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- scheduling methods and tools
- stakeholders
- types of schedules
- WHS/OHS 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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