



Australian Government

UEPOPS423 Plan a scheduled outage

Release: 1

UEPOPS423 Plan a scheduled outage

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 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 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

There are no prerequisite units.

Competency Field

Operations

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify outage requirements

2 Create outage plan

PERFORMANCE CRITERIA

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

- 1.1** Outage requirements are identified from work orders and is clarified with the appropriate personnel or site inspection, in accordance with workplace procedures
- 1.2** Safety issues are identified, in accordance with Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) and legislative requirements, industry standards and workplace procedures
- 1.3** Date, time and expected duration of outage is assessed and confirmed from relevant information and statistical records in accordance with workplace procedures
- 1.4** Schematic diagrams, drawings, plans or maps are consulted to determine area affected by outage, in accordance with workplace procedures
- 2.1** Impact of outage is ascertained, in accordance with workplace procedures
- 2.2** Key stakeholders and/or equipment affected by outage are identified, in accordance with workplace procedures
- 2.3** Status of plant and consumers affected by outage is identified and assessed, in accordance with workplace procedures
- 2.4** Key stakeholders are consulted to determine timetable and contingency plan, in accordance with workplace procedures
- 2.5** Disruptions to key consumers are minimised, in accordance with workplace procedures, by providing alternative routes of power generation supply
- 2.6** Scope of work to be carried out during outage is evaluated against allocated timeframes, in accordance with workplace procedures
- 2.7** Work permits required prior to and during outage are obtained, in accordance with workplace procedures

- | | |
|---------------------------------|---|
| 3 Implement outage plan | 3.1 Work crews are notified of outage plan through the appropriate channels, in accordance with workplace procedures |
| | 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPOPS423B 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 UEPOPS423 Plan a scheduled outage

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

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:

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

- communication and liaison techniques
- legislation, industry standards, codes of practices and regulations
- manufacturers' specifications and manuals
- outages and potential impact
- permit to work system
- power generation plant and equipment, its location and operating parameters

- power generation plant status
- scheduling methods and tools
- stakeholders
- types of schedules
- typical arrangements of power generation plant
- WHS/OHS policy and procedures 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.

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

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

Companion Volume implementation guides are found in VETNet -

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