



Australian Government

UEPOPS456 Perform switching to a switching program

Release: 1

UEPOPS456 Perform switching to a switching program

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 perform switching to a switching program.

An electrical switch can alternate a load between two sources either manually or automatically when sensors detect one of the sources has lost or gained power. A switch is installed where the backup generator is located so that the generator can be used to provide temporary electrical power, as required.

Competency in this unit requires the ability to prepare for switching program, carry out switching program, and complete all documentation. Individuals will, in general, work as an operator in, 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 Prepare for switching program

PERFORMANCE CRITERIA

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

- 1.1** Authorisation is confirmed to perform switching operation with coordinating personnel, in accordance with workplace procedures
 - 1.2** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice and environmental obligations are identified, applied and monitored
 - 1.3** Contingency plan is discussed with personnel coordinating switching program, in accordance with workplace procedures
 - 1.4** Permits and access requirements are identified prior to program commencement, in accordance with workplace procedures
 - 1.5** Documentation is received and checked prior to starting switching program, in accordance with workplace procedures
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- 2.1** Personnel involved in switching program is confirmed and they are directed to switching locations, in accordance with workplace procedures
 - 2.2** Communication is established and maintained with personnel coordinating switching program, in accordance with workplace procedures
 - 2.3** Access to electrical power generation plant is obtained, in accordance with workplace procedures
 - 2.4** Switching program steps are verified before and after each operation, in accordance with workplace procedures
 - 2.5** Switching steps are documented upon completion of each operation, in accordance with workplace procedures
 - 2.6** Permits are issued, monitored and recorded, in accordance with workplace procedures

2 Carry out switching program

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|---------------------------------|------------|---|
| | 2.7 | Switching program is completed and is recorded, in accordance with workplace procedures |
| 3 Complete documentation | 3.1 | Equipment problems, abnormalities and status are reported, in accordance with workplace |
| | 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 UEPOPS456A Perform switching to a switching program.

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 UEPOPS456 Perform switching to a switching program

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:

- acquiring and analysing system operation information
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations including:
 - emergency procedures
 - risk control measures
 - safe working practices
- carrying out switching program
- communicating with personnel
- completing documentation using recording procedures
- directing and coordinating switching programs
- implementing legislations, industry standards, codes of practice and regulations
- preparing, planning and prioritising work for switching programs
- using permit to work system
- working with switching operations and procedures

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:

- implementation of switching programs
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- power generation plant and equipment, its location and operating parameters
- switching operations and procedures
- typical arrangements of power generation plant
- WHS/OHS legislated requirements including:

- emergency procedures
- risk control measures
- safe working practices
- workplace policies and procedures
- workplace documentation

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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