# UEPOPS456 Perform switching to a switching program

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## 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 | PERFORMANCE CRITERIA |
|---|---|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| **1 Prepare for switching program** | **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 |
| **2 Carry out switching program** | **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 |

|   |   |   |
|---|---|---|
| | **2.7** | 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