



**Australian Government**

# **UEPOPS349 Operate local H.V. switchgear**

**Release: 1**

# UEPOPS349 Operate local H.V. switchgear

## 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 undertake the local operation of High Voltage (H.V.) switchgear devices.

A switchgear is a combination of electrical disconnect switches, fuses or circuit breakers used to control, protect and isolate electrical equipment.

Competency in this unit requires the ability to plan and prepare work, conducting H.V. switchgear operations, validating H.V. switchgear integrity and completing documentation. Individuals will, in general, work under supervision, in a power generation facility as an operator.

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 to operate High Voltage (H.V.) switchgear

- 1.1 Work requirements are identified and confirmed with appropriate personnel, in accordance with workplace procedures
- 1.2 Safety precautions when operating High Voltage (H.V.) switchgears are identified, in accordance with Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, industry standards and workplace procedures
- 1.3 Identify H.V. switch gear type and determine correct operation, in accordance with workplace procedures
- 1.4 Examine and assess H.V. switchgear conditions for safe operation, in accordance with workplace procedures
- 1.5 Suppress H.V. switchgear related protection, where necessary, in accordance with workplace procedures
- 1.6 Personnel participating in work are briefed and roles and responsibilities are confirmed, in accordance with workplace procedures

#### 2 Conduct H.V. switch gear operations

- 2.1 Mechanical operation and limitations of equipment is identified, in accordance with workplace procedures
- 2.2 Implications of proposed work actions are identified, in accordance with workplace procedures
- 2.3 H.V. switchgear is operated and its' status is confirmed, in accordance with workplace procedures
- 2.4 H.V. switchgear racking, testing, isolation, circuit earthing and reinstatement processes are carried out, in accordance with manufacturers' instructions and workplace procedures
- 2.5 Test equipment integrity is confirmed, and H.V. switchgear is de-energised, in accordance with workplace procedures

#### 3 Validate H.V. switchgear

- 3.1 H.V. switchgear is inspected for safe operation, in

<b>integrity</b>		accordance with workplace procedures
	<b>3.2</b>	H.V. switchgear environment is inspected, in accordance with workplace procedures, to ensure it meets all statutory and industry requirements
<b>4 Complete documentation</b>	<b>4.1</b>	H.V switchgear status is reported, in accordance with workplace procedures
	<b>4.2</b>	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 UEPOPS349B Operate local H.V. switchgear

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>