



Australian Government

UEPOPS351 Operate H.V. condition changing apparatus

Release: 1

UEPOPS351 Operate H.V. condition changing apparatus

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 operation of all High Voltage (H.V.) condition changing apparatus.

H.V. condition changing apparatus can include on and off load transformer tap changers, capacitor banks, rotary converters, voltage regulators, reactors, current limiters, rectifiers and transformers. H.V. changing apparatus works within system parameters such as voltage, current, frequency, volt ampere reactive load and equipment capability.

Competency in this unit requires the ability to plan and prepare work, operate H.V. condition change apparatus and report on H.V. condition during operation. 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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Prepare to operate H.V. condition changing apparatus

- 1.1** Safety requirements for operating High Voltage (H.V.) condition changing apparatus are adhered to, in accordance with Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, manufacturers' specifications and workplace procedures
- 1.2** Location of H.V. condition changing apparatus is determined from plans, drawings, system diagrams and maps, in accordance with workplace procedures
- 1.3** H.V. condition changing apparatus to be operated, is identified and confirmed, with relevant personnel, in accordance with workplace procedures
- 1.4** Condition and status of H.V. condition changing apparatus is determined visually, in accordance with workplace procedures
- 1.5** H.V. condition changing apparatus is prepared for operation, in accordance with workplace procedures

2 Conduct H.V. condition changing apparatus operation

- 2.1** Relevant personnel are advised of progress during H.V. condition changing apparatus operation, in accordance with workplace procedures
- 2.2** Conditions are evaluated prior to H.V. changing apparatus operation, in accordance with workplace procedures
- 2.3** H.V. condition changing apparatus is operated in accordance with workplace procedures and manufacturers' recommendations
- 2.4** H.V. condition changing apparatus is controlled and adjusted to achieve desired outcomes, in accordance with workplace procedures
- 2.5** H.V. condition changing apparatus is examined, in accordance with workplace procedures, to ensure it has functioned correctly

- 2.6 Conditions are re-evaluated to confirm correct H.V. condition changing apparatus outcome, in accordance with workplace procedures
 - 2.7 H.V. condition changing apparatus is secured, in accordance with workplace procedures
 - 2.8 Status of H.V. condition changing apparatus is confirmed, in accordance with workplace procedures
- 3 Complete documentation**
- 3.1 Equipment problems, movements, and status are reported, in accordance with workplace procedures
 - 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 UEPOPS351B Operate H.V. condition changing apparatus.

Links

Companion Volume implementation guides are found in VETNet -

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