



Australian Government

UETDRSB001 Perform substation switching operations to a given schedule

Release: 1

UETDRSB001 Perform substation switching operations to a given schedule

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to perform substation switching operations to a given schedule in the electricity supply industry (ESI).

It includes switching operations in zone, traction or terminal substations in accordance with workplace requirements.

It also includes using specialised tools, personal protective equipment (PPE) and testing equipment.

Note: Entry requirement into the unit is for users that have successfully completed:

- *a UET Certificate III, IV, Diploma or Advanced Diploma qualification or the equivalent issued in an Australian state or territory*
- *or*
- *an Electrician or Electrical Fitter qualification or the equivalent issued in an Australian state or territory*
- *or*
- *in the final stages of completing an apprenticeship in the above qualifications.*

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may also apply under State and Territory legislative and regulatory licensing requirement which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable, refer to unit application.

Competency Field

Substation

Unit Sector

Not applicable.

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 substation switching

- 1.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are referred to and confirmed
- 1.2** Switching schedules are obtained and confirmed in accordance with workplace requirements
- 1.3** Plant, tools, equipment and PPE required for work are determined, obtained and confirmed in working order
- 1.4** Hazards are identified, risks are assessed and control measures identified and applied
- 1.5** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.6** Work permit/approval is organised in accordance with workplace requirements
- 1.7** Worksite is prepared to in accordance with the work plan and workplace requirements

2 Carry out substation switching

- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 2.2** Lifting, working at heights and the use of plant, tools and equipment are carried out in accordance with workplace requirements
- 2.3** Hazard control measures are monitored in accordance with workplace requirements
- 2.4** Communication with switching control officer is established and maintained during switching operations in accordance with workplace requirements
- 2.5** Approval is obtained to commence substation switching

in accordance with workplace requirements

- 2.6** Substation switching is performed to isolate and/or transfer supply in accordance with switching schedule and workplace requirements
- 2.7** Work permit is written and issued in accordance with the switching schedule and workplace requirements
- 2.8** Work permit is cancelled or relinquished in accordance with workplace requirements
- 2.9** Approval is obtained to commence restoration of supply in accordance with workplace requirements
- 2.10** Substation switching is performed to restore supply in accordance with the switching schedule and workplace requirements
- 2.11** Switching controller is notified restoration has been completed in accordance with workplace requirements
- 2.12** Incidents or unplanned events are responded to in accordance with workplace requirements

3 Complete work and documentation

- 3.1** Incidents or unplanned events are reported in accordance with workplace requirements
- 3.2** Worksite is rehabilitated, cleaned and made safe in accordance with workplace requirements
- 3.3** Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 3.4** Work records, reports and documentation are completed in accordance with workplace requirements

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 UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRSB39 Perform power system substation switching operation to a given schedule.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>