



Australian Government

**UETDRDO004 Maintain energised high
voltage distribution overhead electrical
apparatus (stick)**

Release: 1

UETDRDO004 Maintain energised high voltage distribution overhead electrical apparatus (stick)

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 install and maintain energised high voltage (HV) distribution overhead electrical apparatus using stick method in the electricity supply industry (ESI).

It includes gaining network access approval, verifying site conditions and potential hazards, calculating physical loads and selecting appropriate work techniques.

It also includes preparing, using and maintaining specialised insulated tools and equipment.

This unit is subject to the following requirements for entry:

- *Certificate III in ESI - Distribution Overhead - powerline worker qualification or equivalent.*

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 requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable, refer to unit application.

Competency Field

Distribution Overhead

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 Plan to maintain energised HV distribution overhead electrical apparatus (stick)

- 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** Work plan is obtained and confirmed in accordance with workplace requirements
- 1.3** Materials required for work are determined and obtained in accordance with work plan and workplace requirements
- 1.4** Loads/forces are calculated in accordance with workplace requirements
- 1.5** Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.6** Hazards are identified, risks assessed and control measures identified and applied
- 1.7** Safety observer role and responsibilities are discussed and confirmed in accordance with workplace requirements
- 1.8** Communication method between the workers and safety observer is determined and confirmed in accordance with workplace requirements
- 1.9** Safe approach distances for the work to be performed are determined and confirmed in accordance with workplace requirements
- 1.10** Work permit/approval is organised in accordance with workplace requirements
- 1.11** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.12** Worksite is prepared in accordance with the work plan and workplace requirements
- 1.13** Traffic management plan is confirmed as being in place in accordance with workplace requirements

2 Carry out maintenance of energised HV distribution

- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to

overhead electrical apparatus (stick)

be performed are applied and monitored

- 2.2 Lifting, climbing, working at heights and the use of plant tools, equipment and PPE are carried out in accordance with workplace requirements
- 2.3 Hazard control measures are monitored in accordance with workplace requirements
- 2.4 Work permit/approval is obtained to commence the work in accordance with workplace requirements
- 2.5 Safety observer is positioned to observe the work in accordance with workplace requirements
- 2.6 Communication methods between workers and safety observer are used in accordance with workplace requirements
- 2.7 Safe approach distances are maintained when the work is being performed
- 2.8 Energised HV overhead electrical apparatus is installed and maintained in accordance with work plan and workplace requirements
- 2.9 Work permit/approval is cancelled or relinquished in accordance with workplace requirements
- 2.10 Incidents or unplanned events are responded to in accordance with workplace requirements
- 2.11 Quality checks of work are undertaken in accordance with work plan and workplace requirements

3 Complete work and documentation

- 3.1 Completed work is checked for compliance against the work plan and workplace requirements
- 3.2 Incidents or unplanned events are reported in accordance with workplace requirements
- 3.3 Worksite is rehabilitated, cleaned and made safe in accordance with workplace requirements
- 3.4 Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 3.5 Surplus materials are returned to storage or disposed of

in accordance with workplace requirements

- 3.6** 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 UETTDRDP13 Maintain energised HV distribution overhead electrical apparatus (stick).

Links

Companion Volume Implementation Guides are found in VETNet -

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