



Australian Government

UETTDRDP13 Maintain energised HV distribution overhead electrical apparatus (stick)

Release: 1

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Modification History

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

Application

This unit involves the skills and knowledge required to maintain energised high voltage (HV) distribution overhead electrical apparatus using the stick method in the electricity supply industry (ESI).

It includes maintaining electrical apparatus using HV live line sticks, verifying site conditions and potential hazards, confirming and calculating physical loads and selecting appropriate authorised work methods.

It also includes preparing and cleaning specialist material and tools in accordance with authorised technical instructions; undertaking legislative and safe working practices; rendering inoperative automatic re-closing devices, including its restoration in accordance with the work plan; and issuing/accepting electrical access permits and/or relevant working documents.

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

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

All competencies in one (1) of the identified Pathway Unit Group(s) must have been completed.

Pathway 1

Qualified and authorised Distribution Lineworker

Pathway 2

BSBLDR403 Lead team effectiveness

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

UEENEEE104A Solve problems in d.c. circuits

UEENEEE105A Fix and secure electrotechnology equipment

UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

UEENEEG101A Solve problems in electromagnetic devices and related circuits
 UEENEEG102A Solve problems in low voltage a.c. circuits
 UETTDRDP11 Inspect overhead poles-structures and electrical apparatus
 UETTDRDP12 Maintain overhead energised low voltage conductors and cables
 UETTDRDP11 Apply sustainable energy and environmental procedures
 UETTDRDP12 Operate plant and equipment near live electrical conductors and apparatus
 UETTDRDP16 Working safely near live electrical apparatus
 UETTDRDP42 Maintain network infrastructure electrical equipment
 UETTDRDP52 Install and maintain poles, structures and associated hardware
 UETTDRDP54 Install and maintain poles, structures and overhead conductors and cables
 UETTDRDP65 Contribute to coordinated HV live working

Competency Field

Distribution

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| <p>1 Plan to maintain energised HV distribution overhead electrical apparatus (stick)</p> | <p>1.1 Work schedules, construction plans, drawings, workplace procedures and material lists are obtained and analysed</p> <p>1.2 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant personnel and in accordance with workplace procedures</p> <p>1.3 Job requirements and workplace procedures are identified and communicated with relevant personnel</p> <p>1.4 Hazards are identified, work health and safety (WHS)/occupational health and safety (OHS) risks assessed and control measures prioritised, implemented</p> |
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and monitored in accordance with workplace procedures

- 1.5 Relevant work permits are obtained and signed in accordance with workplace procedures
- 1.6 Equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
- 1.7 Liaison and communication issues with authorised personnel, authorities, clients and land owners are resolved to perform work, as required
- 1.8 Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures
- 1.9 Personnel participating in work are fully briefed and responsibilities confirmed in accordance with workplace procedures
- 1.10 Traffic management plan is confirmed as being applied in accordance with workplace procedures

2 Carry out maintenance of energised HV distribution overhead electrical apparatus (stick)

- 2.1 WHS/OHS, sustainable energy and environmental principles and practices are monitored and actioned to reduce incidents of accidents in accordance with workplace procedures
- 2.2 Emergency response procedures are performed in accordance with job requirements and/or workplace procedures
- 2.3 Requirements for lifting, climbing, working at heights, confined spaces and use of power tools/equipment are followed in accordance with workplace procedures
- 2.4 Auto-reclose devices and associated circuits are rendered inoperative and necessary work documentation obtained in accordance with workplace procedures
- 2.5 Hazard warnings and safety signs are recognised and hazards and assessed WHS/OHS risks are reported to immediate authorised personnel for directions in accordance with workplace procedures
- 2.6 Remedial actions are taken to overcome shortfalls encountered in the work schedule in accordance with job requirements and workplace procedures

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| | <p>2.7 Maintenance of energised HV overhead electrical apparatus is performed in accordance with works schedules, job requirements and workplace procedures</p> <p>2.8 Energised HV overhead electrical apparatus are safely installed and maintained in agreed timeframes, to quality standards and with minimum waste in accordance with workplace procedures</p> <p>2.9 Solutions to unplanned events/problems are identified and actioned in accordance with workplace procedures and approval of authorised personnel</p> <p>2.10 Quality checks of work are undertaken in accordance with industry standards and workplace procedures</p> |
| 3 Complete maintenance of energised HV distribution overhead electrical apparatus (stick) | <p>3.1 Completed work is checked against works schedule, construction plans and drawings for compliance and anomalies are reported in accordance with workplace procedures</p> <p>3.2 WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required</p> <p>3.3 Worksite is rehabilitated, cleaned up and confirmed safe in accordance with workplace procedures</p> <p>3.4 Tools, equipment, surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with workplace procedures</p> <p>3.5 Relevant work permits are signed off and energised HV apparatus is returned to service in accordance with workplace procedures</p> <p>3.6 Work records, reports and/or documentation are completed in accordance with workplace procedures</p> |

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 UETTDRDP13A Maintain energised HV distribution overhead electrical apparatus (stick).

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>