



Australian Government

UETTDRDP14 Maintain energised HV distribution overhead electrical apparatus (glove)

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) overhead electrical apparatus (glove) in the electricity supply industry (ESI).

It includes maintaining electrical apparatus using HV live line glove and barrier methods and verifying site conditions and potential hazards, confirming and calculating physical loads and the selection of appropriate and authorised work methods. It also includes preparing and cleaning specialist materials and tools in accordance with authorised technical instructions; undertaking legislative and safe working practices; rendering inoperative automatic re-closing devices, including restoration in accordance with work plans; 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

UETTDNDP11 Inspect overhead poles-structures and electrical apparatus

UETTDNDP12 Maintain overhead energised low voltage conductors and cables

UETTDREL11 Apply sustainable energy and environmental procedures

UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

UETTDREL16 Working safely near live electrical apparatus

UETTDNIS42 Maintain network infrastructure electrical equipment

UETTDNIS52 Install and maintain poles, structures and associated hardware

UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

UETTDNIS65 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 (glove and barrier)</p> | <p>1.1 Works 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 Risk control measures are identified, prioritised and evaluated against the work schedule</p> <p>1.4 Job requirements and workplace procedures are identified and communicated with relevant personnel</p> |
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- 1.5 Hazards are identified, work health and safety (WHS)/occupational health and safety (OHS) risks assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
 - 1.6 Relevant work permits are obtained and signed in accordance with workplace procedures
 - 1.7 Equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
 - 1.8 Clients/customers are provided with solutions within scope of specifications, costings and job requirements
 - 1.9 Liaison and communication issues with authorised personnel, authorities, clients and land owners are resolved to perform work, as required
 - 1.10 Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures
 - 1.11 Personnel participating in work are fully briefed and responsibilities confirmed in accordance with workplace procedures
 - 1.12 Traffic management is planned and implemented in accordance with workplace procedures
- 2 **Carry out maintenance of energised HV distribution overhead electrical apparatus (glove and barrier)**
 - 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
 - 2.7 Maintenance of energised HV distribution overhead electrical apparatus is performed in accordance with works schedules, job requirements and workplace procedures
 - 2.8 Energised HV distribution overhead electrical apparatus is safely maintained to ensure completion in agreed timeframes, to quality standards and with minimum waste in accordance with workplace procedures
 - 2.9 Solutions to non-routine problems are identified and actioned in accordance with workplace procedures
 - 2.10 Quality checks of work are undertaken in accordance with industry standards and workplace procedures
- 3 Complete the maintenance of energised HV distribution overhead electrical apparatus (glove and barrier)**
- 3.1 Completed work is checked against work schedule, construction plans and drawings for compliance and anomalies are reported in accordance with workplace procedures
 - 3.2 WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required
 - 3.3 Worksite is cleaned and confirmed safe in accordance with workplace procedures
 - 3.4 Tools, equipment, surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with workplace procedures
 - 3.5 Relevant work permits are signed off and energised HV apparatus is returned to service in accordance with workplace procedures
 - 3.6 Work records, reports and/or documentation are completed 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 UETTD RDP14A Maintain energised HV distribution overhead electrical apparatus (glove).

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>