



Australian Government

UETDRMP012 Working on energised low voltage overhead electrical apparatus

Release: 1

UETDRMP012 Working on energised low voltage overhead electrical apparatus

Modification History

Release 1. This is the first release of this unit of competency in the Transmission, Distribution and Rail Sector Training Package Release 4.0.

Application

This unit involves the skills and knowledge required to perform overhead energised low voltage (LV) work in an electricity supply industry (ESI) environment. This does not include the connection of overhead services.

It includes energised LV overhead mains work techniques and the use of specialised equipment in accordance with workplace requirements.

Note: Those holding an existing Certificate III ESI - Distribution Overhead qualification or equivalent meet the prerequisite unit requirements.

Refer to the UET Transmission, Distribution and Rail Sector Companion Volume Implementation Guide for equivalency definition.

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

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEEEL0020 Solve problems in low voltage a.c. circuits

UEEEL0021 Solve problems in magnetic and electromagnetic devices

UETDRDO005 Maintain overhead energised low voltage distribution network

UETDREL001 Apply environmental requirements

UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus

UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRIS007 Install and maintain distribution overhead conductors and cables

UETDRIS012 Install and maintain poles, structures and hardware

Competency Field

Mobility and Portability

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 to work on energised LV overhead electrical apparatus	1.1 Workplace requirements for working on energised electrical apparatus are identified and confirmed 1.2 Hazards are identified, risks assessed, and control measures identified and applied 1.3 Tools, equipment, and personal protective equipment (PPE) required for energised LV work are determined, obtained and confirmed in working order 1.4 Safety observer is appointed in accordance with workplace requirements
2 Carry out work on energised LV overhead electrical apparatus	2.1 Hazard control measures are monitored in accordance with workplace requirements 2.2 Use of tools, equipment and PPE for energised LV work are carried out in accordance with workplace requirements 2.3 Energised LV work is carried out in accordance with workplace requirements
3 Complete the work on energised LV overhead electrical apparatus	3.1 Completed work is checked for compliance against 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 Companion Volume Implementation Guide.

Unit Mapping Information

This is a newly created unit.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for UETDRMP012 Working on energised low voltage overhead electrical apparatus

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- identifying hazards, assessing risks and applying control measures
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- using at least three (3) of the following specialised low voltage (LV) equipment:
 - insulating mats/sleeves
 - temporary bridging device
 - insulating gloves
 - tensioning devices
 - pole shrouds
- maintaining correct body positioning to avoid secondary points of contact
- performing work on energised LV overhead electrical apparatus in accordance with workplace requirements.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- organisational workplace requirements for work on energised LV overhead electrical apparatus including:
 - energised LV work principles and techniques
 - role of safety observer
- hazard, risk assessment and risk control requirements including potential hazards
- types and application of PPE
- specialised LV equipment including:
 - types
 - application
 - care and maintenance
 - inspection and testing.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so.

Where this is not appropriate, assessment must occur in simulated conditions involving realistic and authentic activities that replicate operational workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate tools, equipment and PPE currently used in industry for working on energised LV overhead electrical apparatus
- applicable documentation, including workplace requirements.

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