



Australian Government

UETDRMP012 Working on energised low voltage overhead electrical apparatus

Release: 1

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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

Elements describe the essential outcomes.

1 Prepare to work on energised LV overhead electrical apparatus

PERFORMANCE CRITERIA

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

- 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>