



Australian Government

UETDRMP011 Testing of connections to low voltage electricity networks

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 Release 4.0.

Application

This unit involves the skills and knowledge required to perform testing of connections to low voltage (LV) electricity networks in the electricity supply industry (ESI) environment.

It includes the requirements for testing when connecting and/or reconnecting a customer's installation to an electricity supply network and how it applies to ESI workers to meet work health and safety (WHS)/occupational health and safety (OHS), mobility and mutual aid requirements.

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

Refer to the UET Transmission, Distribution and Rail Sector Training Package 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

UETDREL001 Apply environmental requirements

and

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

UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRIS010 Install and maintain low voltage overhead services

or

UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRIS011 Install and maintain low voltage underground services

or

UETDRIS014 Install and replace energy meters and associated equipment

Competency Field

Mobility and Portability

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to perform test procedures

2 Carry out test procedures

PERFORMANCE CRITERIA

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

- 1.1 Workplace requirements for perform testing of connections 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 testing are determined, obtained and confirmed in working order
- 2.1 Hazard control measures are monitored in accordance with workplace requirements
- 2.2 Use of tools, equipment and PPE for testing are carried out in accordance with workplace requirements
- 2.3 Testing of connections to electricity networks are conducted in accordance with workplace requirements and AS4741
- 2.4 Corrective actions are undertaken in accordance with workplace requirements

3 Complete the test procedures

3.1 Test results are recorded 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 not equivalent to UETDTRRF11 Testing of connections to low voltage electricity networks.

Links

Companion Volume Implementation Guides are found in VETNet -

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