



**Australian Government**

# **UETDRIS010 Install and maintain low voltage overhead services**

**Release: 1**

# UETDRIS010 Install and maintain low voltage overhead services

## 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 2.0.

## Application

This unit involves the skills and knowledge required to install and maintain low voltage (LV) overhead services in the electricity supply industry (ESI).

It includes the installation, connection, repair and replacement of service cables and hardware between the customer's connection point and the network point of supply.

It also includes the identification, rectification of faults, testing and commissioning requirements.

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

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

UETDREL005 Work safely in the vicinity of live electrical apparatus

## Competency Field

Industry Specific Cross Discipline

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare to install and maintain LV overhead services

### PERFORMANCE CRITERIA

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

- 1.1 Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are referred to and confirmed
- 1.2 Work plan is obtained and confirmed in accordance with workplace requirements
- 1.3 Materials required for work are determined and obtained in accordance with work plan and workplace requirements
- 1.4 Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.5 Hazards are identified, risks assessed and control measures identified and applied
- 1.6 Pre-climbing assessment is conducted in accordance with workplace requirements
- 1.7 Work is prioritised and sequenced for completion in accordance with workplace requirements
- 1.8 Worksite is prepared in accordance with work plan workplace requirements
- 1.9 Traffic management plan is confirmed as being in place in accordance with workplace requirements
- 1.10 Safety observer role and responsibilities are discussed and confirmed in accordance with workplace requirements
- 1.11 Communication method between the workers and safety observer is determined and confirmed in accordance with workplace requirements

- 1.12** Safe approach distances for the work to be performed are determined and confirmed in accordance with workplace requirements
- 2 Carry out installation and maintenance of LV overhead services**
- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 2.2** Lifting, climbing, working at heights and the use of plant, tools, equipment and PPE are used in accordance with workplace requirements
- 2.3** Hazard control measures are monitored in accordance with workplace requirements
- 2.4** Safety observer is positioned to observe the work in accordance with workplace requirements
- 2.5** Communication methods between workers and safety observer are used in accordance with workplace requirements
- 2.6** Safe approach distances are maintained when the work is being performed
- 2.7** Specialised energised LV equipment to work on energised LV overhead services is used in accordance with workplace requirements
- 2.8** LV overhead service and hardware are installed in accordance with the work plan and workplace requirements
- 2.9** LV overhead service and hardware are maintained in accordance with the work plan and workplace requirements
- 2.10** LV overhead service is tested and commissioned in accordance with the work plan and workplace requirements
- 2.11** Incidents or unplanned events are responded to in accordance with workplace requirements
- 2.12** Quality checks of work are undertaken in accordance with work plan, network standards and workplace requirements
- 3 Complete work and**
- 3.1** Completed work is checked for compliance against the

**documentation**

work plan, network standards in accordance with workplace requirements

- 3.2 Incidents or unplanned events are reported in accordance with workplace requirements
- 3.3 Worksite is rehabilitated, cleaned up and made safe in accordance with workplace requirements
- 3.4 Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 3.5 Surplus materials are returned to storage or disposed of in accordance with workplace requirements
- 3.6 Work records, reports and documentation are completed in accordance with network standards and 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 is equivalent to UETDRIS56 Install and maintain low voltage overhead services.

## Links

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