



**Australian Government**

# **UETDRIS014 Install and replace energy meters and associated equipment**

**Release: 1**

# UETDRIS014 Install and replace energy meters and associated equipment

## 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 replace energy meters and associated equipment in the electricity supply industry (ESI).

It includes installing, replacing, testing and commissioning of whole current energy meters and associated equipment in accordance with workplace 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

## Competency Field

Industry Specific Cross Discipline

## 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 install or replace energy meters and associated equipment**

**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** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements

**1.5** Hazards are identified, risks assessed and control measures identified and applied

**1.6** Tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order

**1.7** Worksite is prepared in accordance with the work plan and workplace requirements

#### **2 Carry out the installation of new energy meters and associated equipment**

**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 and the use of tools, equipment and PPE are carried out in accordance with workplace requirements

**2.3** Hazard control measures are monitored in accordance with workplace requirements

**2.4** Installation of energy meters and associated equipment is performed in accordance with the work plan and workplace requirements

**2.5** Energy meter is energised and tested in accordance with workplace requirements

**2.6** Incidents or unplanned events are responded to in accordance with workplace requirements

- 2.7** Quality checks of work are undertaken in accordance with work plan and workplace requirements
- 3 Carry out the replacement of energy meters and associated equipment**
- 3.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 3.2** Lifting and the use of tools, equipment and PPE are carried out in accordance with workplace requirements
- 3.3** Hazard control measures are monitored in accordance with workplace requirements
- 3.4** Energy meter is read, isolated and tested to prove de-energised in accordance with workplace requirements
- 3.5** Replacement of energy meters and associated equipment is performed in accordance with the work plan and workplace requirements
- 3.6** Energy meter is energised and tested in accordance with workplace requirements
- 3.7** Incidents or unplanned events are responded to in accordance with workplace requirements
- 3.8** Quality checks of work are undertaken in accordance with work plan and workplace requirements
- 4 Complete work and documentation**
- 4.1** Completed work is checked for compliance against the work plan and workplace requirements
- 4.2** Incidents or unplanned events are reported in accordance with workplace requirements
- 4.3** Worksite is cleaned and made safe in accordance with workplace requirements
- 4.4** Tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 4.5** Surplus materials are returned to storage or disposed of in accordance with workplace requirements
- 4.6** Work records, reports and documentation are completed 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 is equivalent to UETTD RIS60 Install and replace power system energy meters and associated equipment.

## Links

Companion Volume Implementation Guides are found in VETNet -

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