



**Australian Government**

# **UETDRTS029 Commission and maintain communication equipment**

**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 covers the skills and knowledge required to commission and maintain power system communication equipment in the electricity supply industry (ESI).

It includes the isolation and functional checks of communication equipment associated with power systems, but does not include wiring.

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

UEECD0010 Compile and produce an energy sector detailed report

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

UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRTS036 Develop secondary protection and control scheme isolation and restoration documents

## **Competency Field**

Testing

## 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 commission and maintain communication equipment**

- 1.1** Workplace organisational requirements for the commissioning and maintenance of communication equipment, are reviewed and determined
- 1.2** Purpose of the commissioning and maintenance of communication equipment is established
- 1.3** Testing procedures are discussed and reviewed with appropriate personnel
- 1.4** Testing parameters are established from workplace organisational requirements
- 1.5** Relevant stakeholders are identified and liaised with
- 1.6** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.7** Hazards are identified, risks assessed, and control measures identified
- 1.8** Work permits are organised in accordance with workplace requirements
- 1.9** Tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order

#### **2 Commission and maintain communication equipment**

- 2.1** Relevant stakeholder liaison and work permits are applied
- 2.2** Manual handling and use of tools, equipment and PPE are carried out in accordance with workplace requirements
- 2.3** Hazard control measures are applied and monitored in accordance with workplace requirements

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|------------------------------------------|-----|--------------------------------------------------------------------------------------------------------|
|                                          | 2.4 | Communication equipment is commissioned and maintained in accordance with workplace requirements       |
|                                          | 2.5 | Communication equipment is tested in accordance with workplace requirements                            |
|                                          | 2.6 | Solutions to non-routine problems are identified and actioned                                          |
|                                          | 2.7 | Quality checks of work are undertaken in accordance with workplace requirements                        |
| <b>3 Complete work and documentation</b> | 3.1 | Completed work is checked for compliance against the workplace requirements                            |
|                                          | 3.2 | Relevant stakeholders are notified of completion and reports and/or completion documents are finalised |
|                                          | 3.3 | Commissioning and maintenance documentation is 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 not equivalent to UETDRTS011 Install and maintain power system communication equipment.

## Links

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