



**Australian Government**

# **UETDRIS032 Solve problems in network equipment**

**Release: 1**

# UETDRIS032 Solve problems in network 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 4.0.

## Application

This unit includes the skills and knowledge required to solve problems in network equipment in the electricity supply industry (ESI).

It includes fundamental knowledge of energy generation, transmission, distribution, substations, and overhead and underground systems.

It also includes voltage regulation, types of system faults and protection, and metering.

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

## 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 solve problems in network equipment**

- 1.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be done are reviewed and determined
- 1.2** Work plan is obtained, confirmed and communicated with relevant personnel in accordance with workplace requirements
- 1.3** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.4** Hazards are identified, risks assessed, and control measures identified and applied
- 1.5** Work permits are determined in accordance with workplace requirements
- 1.6** Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order

#### **2 Solve problems in network 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, working at heights, working in confined spaces and the use of plant, tools, equipment and PPE are carried out in accordance with workplace requirements
- 2.3** Work permits are received and signed in accordance with workplace requirements
- 2.4** Problems in network equipment are solved in accordance with workplace requirements
- 2.5** Hazard control measures are monitored 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 Complete work and documentation**

- 3.1** Completed work is checked for compliance against the work plan and workplace requirements
- 3.2** Incidents or unplanned events are reported in accordance with workplace requirements
- 3.3** Plant, tools and equipment are cleaned, checked and returned to storage, and surplus resources and materials are managed in accordance with workplace requirements
- 3.4** Work permits are signed off in accordance with workplace requirements
- 3.5** Work records, reports and documentation are completed, and appropriate personnel notified 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 UETDRIS67 Solve problems in energy supply network equipment.

## **Links**

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