



Australian Government

**UETTD RIS57 Conduct visual checking and
treatment of power system poles and
structures**

Release: 1

UETTDRIS57 Conduct visual checking and treatment of power system poles and structures

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package.

Application

This unit involves the skills and knowledge required to conduct visual checking and treatment of power system poles and structures in the electricity supply industry (ESI).

It includes testing or examining at eye level to below ground, checking above ground of crossarms and attached hardware with the use of binoculars to determine the integrity of poles, structures and attached hardware. It also includes completing inspection reports and updating workplace records.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may apply under State and Territory legislative and regulatory licensing requirement which must be confirmed prior to commencing this unit.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

All competencies in the Common Unit Group must have been completed, plus all competencies in one (1) of the identified Pathway Unit Group(s).

Common Unit Group

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

UEENEEE104A Solve problems in d.c. circuits

UEENEEE105A Fix and secure electrotechnology equipment

UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

UEENEEG101A Solve problems in electromagnetic devices and related circuits

UEENEEG102A Solve problems in low voltage a.c. circuits

UETTDRIL11 Apply sustainable energy and environmental procedures

UETTDRIL12 Operate plant and equipment near live electrical conductors and apparatus

UETTDRIL16 Working safely near live electrical apparatus

Transmission Overhead Pathway Group

UETTDRISS54 Install and maintain poles, structures and overhead conductors and cables

UETTDRT26 Install transmission structures and associated hardware

UETTDRT27 Maintain transmission structures and associated hardware

UETTDRT29 Install and maintain transmission overhead conductors and cables

UETTDRT30 Inspect transmission overhead structures and electrical apparatus

Distribution Overhead Pathway Group

UETTDROP11 Inspect overhead poles-structures and electrical apparatus

UETTDROP12 Maintain overhead energised low voltage conductors and cables

UETTDRISS41 Install network infrastructure electrical equipment

UETTDRISS42 Maintain network infrastructure electrical equipment

UETTDRISS52 Install and maintain poles, structures and associated hardware

UETTDRISS54 Install and maintain poles, structures and overhead conductors and cables

UETTDRISS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

UETTDRISS52 Install and maintain poles, structures and associated hardware

UETTDRISS54 Install and maintain poles, structures and overhead conductors and cables

UETTDRT21 Install traction overhead wiring systems

UETTDRT22 Maintain traction overhead wiring systems

UETTDRT23 Install rail traction bonds

UETTDRT27 Install overhead traction components and equipment

UETTDRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

UETTDRCJ21 Lay ESI electrical cables

UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

UETTDROP11 Inspect overhead poles-structures and electrical apparatus

UETTDRISS41 Install network infrastructure electrical equipment

UETTDRISS42 Maintain network infrastructure electrical equipment

UETTDRISS55 Install and maintain low voltage underground services

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 perform visual checking and treatment of poles and structures

- 1.1** Work schedules, construction plans, drawings, workplace procedures and material lists are received and confirmed
- 1.2** Job requirements and workplace procedures are identified and communicated with relevant personnel
- 1.3** Work health and safety (WHS)/occupational health and safety (OHS), environmental and workplace procedures for the visual checking and treatment of poles and structures are obtained and confirmed for the purposes of the work to be performed
- 1.4** Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant personnel and in accordance with workplace procedures
- 1.5** Hazards are identified, WHS/OHS risks assessed and control measures identified in accordance with workplace procedures
- 1.6** Relevant work permits are obtained, understood and signed in accordance with workplace procedures
- 1.7** Plant, equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
- 1.8** Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures
- 1.9** Traffic management plan is confirmed as being applied in accordance with workplace procedures

2 Carry out visual checking and treatment of poles

- 2.1** WHS/OHS, sustainable energy and environmental principles and practices are monitored and followed to

and structures

reduce incidents in accordance with workplace procedures

- 2.2** Requirements for lifting and/or climbing and/or working at heights and the use of power tools/equipment are followed in accordance with workplace procedures
- 2.3** Visual checking and treatment of poles and structures to ensure completion are performed in agreed timeframes, to quality standards and with minimum waste in accordance with workplace procedures
- 2.4** Visual checking, by testing or examining pole and/or structures from eye level to below ground, is conducted in accordance with job requirements and workplace procedures
- 2.5** Defective or suspect poles are identified for repair or replacement in accordance with workplace procedures
- 2.6** Treatment of poles and/or structures is performed in accordance with work schedule, job requirements and workplace procedures
- 2.7** Unplanned events are responded to in accordance with workplace procedures
- 2.8** Quality checks of work are undertaken in accordance with workplace procedures

3 Complete the visual checking and treatment of poles and structures

- 3.1** Completed work is checked against work schedule, construction plans and drawings for compliance and anomalies are reported in accordance with workplace procedures
- 3.2** WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required
- 3.3** Worksite is rehabilitated, cleaned up and made safe in accordance with workplace procedures
- 3.4** Tools, equipment and surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with workplace procedures
- 3.5** Relevant work permits are signed off and poles and structures are returned to service in accordance with workplace procedures

- 3.6** Work records, reports and/or documentation are completed in accordance with workplace procedures

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRIS57A Conduct visual checking and treatment of power system poles and structures.

Links

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