

UETTDRTP30 Inspect transmission overhead structures and electrical apparatus

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.

Application

This unit covers the inspection requirements of overhead structures, such as towers and electrical apparatus. Overhead structures include towers and overhead conductors and/or cables, including underground and overhead transition points, electrical equipment, hardware and/or earthing systems. It also includes the completion of inspection reports and other relevant documentation in accordance with requirements.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace subject to regulations for undertaking of electrical work.

Other conditions may apply under state and territory legislative and regulatory licencing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Common Unit Group

UEENEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

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

UETTDREL11 Apply sustainable energy and environmental procedures

UETTDREL16 Working safely near live electrical apparatus

Competency Field

Transmission

Unit Sector

Not applicable.

Approved Page 2 of 5

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 for the inspection 1.1 of overhead structures and electrical apparatus used on towers
- Work schedules, including drawings, plans, requirements, established procedures and material lists, are received, analysed and confirmed, as necessary, by site inspection
 - 1.2 Relevant requirements and established procedures for the work are communicated to all personnel and identified for all worksites
 - 1.3 Work health and safety (WHS)/occupational health and safety (OHS) policies and procedures related to requirements and established procedures for the inspection of overhead structures and electrical apparatus used on towers are obtained and understood for the purposes of the work to be performed
 - 1.4 Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures
 - 1.5 Hazards are identified, WHS/OHS risks assessed and control measures prioritised, implemented and monitored, including emergency exits kept clear, according to established procedures
 - **1.6** Relevant work permits are obtained to access and perform work according to requirements and/or established procedures
 - 1.7 Resources, including personnel, equipment, tools and personal protective equipment (PPE), required for the job are identified, scheduled and obtained and confirmed safe and in working order
 - 1.8 Relevant personnel at worksite are confirmed current in first aid, tower/pole top rescue and other related work procedures according to requirements
 - 1.9 Liaison and communication issues with others/authorised personnel, authorities, clients and land owners are resolved to carry out work

Approved Page 3 of 5

- **1.10** Site is prepared according to the work schedule and to minimise risk and damage to property, commerce and individuals in accordance with established procedures
- 1.11 Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed, where applicable, in accordance with established procedures
- 1.12 Traffic management plan is identified and implemented
- 2 Carry out inspection of overhead structures and electrical apparatus used on towers
- 2.1 WHS/OHS and sustainable energy principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures
- 2.2 Lifting, climbing, working in confined spaces and aloft, and use of power tools/equipment, techniques and practices are safely followed and currency according to requirements confirmed
- 2.3 Essential knowledge and associated kills are applied in the safe inspection of overhead structures and electrical apparatus used on towers to ensure completion in an agreed timeframe and to quality standards with a minimum of waste according to requirements
- 2.4 Inspection of overhead structures and electrical apparatus used on towers is carried out in accordance with the work schedule and requirements/established procedures
- 2.5 Hazard warnings and safety signs are recognised and hazards and assessed WHS/OHS risks are reported to immediate authorised personnel for directions according to established procedures
- **2.6** Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills
- **2.7** Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures
- 3 Complete the inspection of 3.1 overhead structures and electrical apparatus used on towers
- Work undertaken is checked against work schedule for conformance with requirements and anomalies reported in accordance with established procedures

Approved Page 4 of 5

- **3.2** Accidents and/or injuries are reported in accordance with requirements/established procedures
- **3.3** Worksite is rehabilitated, cleaned up and made safe in accordance with established procedures
- 3.4 Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures
- 3.5 Relevant work permits are signed off and overhead structures and electrical apparatus used on towers are returned to service in accordance with requirements
- **3.6** Work completion records, reports, as installed//modified drawings and/or documentation and information are finalised and processed and appropriate personnel notified

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 UETTDRTP30A Inspect transmission overhead structures and electrical apparatus.

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

Approved Page 5 of 5