



**Australian Government**

# **UETDRTO017 String overhead transmission conductors**

**Release: 1**

# UETDRT0017 String overhead transmission conductors

## 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 3.0.

## Application

This unit involves the skills and knowledge required for the stringing of overhead conductors with no electrical connections being made in the electricity supply industry (ESI).

It includes the preparation of a stringing site, use of stringing equipment and stringing overhead conductors prior to tensioning and terminating.

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

CPCCLDG3001 Licence to perform dogging

CPCCLRG3001 Licence to perform rigging basic level

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UETDREL002 Comply with environmental requirements

UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker

UETDRTO015 Assemble and erect transmission structures

UETDRTO016 Install transmission structure hardware

## Competency Field

Transmission Overhead

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare to string the overhead transmission conductors

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 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 Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.5 Hazards are identified, risks are assessed and control measures identified and applied
- 1.6 Safety observer role and responsibilities are discussed and confirmed in accordance with workplace requirements
- 1.7 Communication method between the workers and safety observer is determined and confirmed in accordance with workplace requirements
- 1.8 Safe approach distances for the work to be performed are determined and confirmed in accordance with workplace requirements
- 1.9 Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.10 Work permits are signed in accordance with workplace requirements
- 1.11 Worksite is prepared in accordance with the work plan and workplace requirements
- 1.12 Traffic management plan is confirmed as being in place in accordance with workplace requirements

#### 2 Carry out stringing of

- 2.1 Legislation, regulations, standards, codes of practice and

**overhead transmission  
conductors**

organisational workplace requirements for the work to be performed are applied and monitored

- 2.2 Lifting, working at heights and the use of plant, 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 Safety observer is positioned to observe the work in accordance with workplace requirements
- 2.5 Communication methods between workers and safety observer are used in accordance with workplace requirements
- 2.6 Safe approach distances are maintained when the work is being performed in accordance with workplace requirements
- 2.7 Stringing of overhead transmission conductors prior to terminating is performed in accordance with work plan, drawings and workplace requirements
- 2.8 Incidents or unplanned events are responded to in accordance with workplace requirements
- 2.9 Quality checks of work are undertaken in accordance with work plan and workplace requirements

**3 Complete the work**

- 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 Worksite is rehabilitated, cleaned and made safe in accordance with workplace requirements
- 3.4 Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 3.5 Surplus materials are returned to storage or disposed of in accordance with workplace requirements
- 3.6 Work permits are signed off in accordance with workplace requirements

- 3.7** Personnel are notified of work completion 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 UETDRTO013 Pre-tension stringing overhead transmission conductors and cables.

## Links

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