



Australian Government

UETDRT0012 Maintain energised transmission lines using live work stick techniques

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 2.0.

Application

This unit involves the skills and knowledge required to maintain energised transmission lines using live work stick techniques in the electricity supply industry (ESI).

It includes the calculation of physical loads and the use and maintenance of specialised tools and equipment, live work authorities/permits and disabling the automatic re-closing device.

This unit is subject to the following requirements for entry:

- *Certificate III in ESI - Transmission Overhead powerline worker qualification or equivalent.*

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

Not applicable, refer to unit application.

Competency Field

Transmission Overhead

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Plan to maintain energised transmission lines | 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 assessed and control measures identified and applied |
| | 1.6 Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements |
| | 1.7 Work permits are received and signed in accordance with workplace requirements |
| | 1.8 Auto-reclose devices and associated circuits are rendered inoperative in accordance with workplace requirements |
| | 1.9 Safety observer role and responsibilities are discussed and confirmed in accordance with workplace requirements |
| | 1.10 Communication method between the workers and safety observer is determined and confirmed in accordance with workplace requirements |
| | 1.11 Minimum approach distances for the work to be performed are determined and confirmed in accordance with workplace requirements |
| | 1.12 Worksite is prepared in accordance with the work plan and workplace requirements |
| | 1.13 Traffic management is confirmed as being in place in accordance with workplace requirements |
| 2 Carry out the maintenance of energised transmission lines | 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 and 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 Minimum approach distances are maintained when the work is being performed
- 2.7 Energised overhead electrical transmission apparatus is maintained in accordance with the work plan 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 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 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 Work records, reports and documentation are 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 equivalent to UETTDRT31 Maintain energised transmission lines using high voltage live work stick method.

Links

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