



Australian Government

**UETDRDU020 Joint, terminate and
maintain gas and oil filled underground
cables**

Release: 1

UETDRDU020 Joint, terminate and maintain gas and oil filled underground cables

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 joint, terminate and maintain gas and oil filled underground cable 33 kilovolt (kV) and above, in the electricity supply industry (ESI).

It includes maintenance of gas and oil filled underground cables, the preparation of cables and phasing out, jointing and terminating and the preparation of the cable jointing bay.

It also includes the relevant safety procedures to ensure installation of cable is undertaken according to workplace requirements.

Note: Entry into this unit is for users who:

- *hold Certificate III in ESI - Distribution Underground - powerline worker qualification or equivalent.*

and

- *hold UETDRDU012 Joint, terminate and maintain high voltage underground paper insulated cable 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

Refer to Application.

Competency Field

Distribution Underground

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 joint, terminate and maintain gas and oil filled underground cables

- 1.1** Work plan is obtained, confirmed and communicated with relevant personnel in accordance with workplace requirements
- 1.2** Materials required for work are determined and obtained in accordance with work plan and 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 received and signed 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
- 1.7** Worksite is prepared in accordance with the work plan and workplace requirements

2 Joint, terminate and maintain gas and oil filled underground cables

- 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** Hazard control measures are monitored in accordance with workplace requirements
- 2.4** Specialised equipment is used in accordance with workplace requirements
- 2.5** Cable is prepared for jointing, terminating and maintenance in accordance with manufacturer's instructions and workplace requirements
- 2.6** Cable is tested before jointing or terminating in

accordance with the work plan and workplace requirements

2.7 Cable is jointed, terminated and maintained in accordance with manufacturer's instructions and workplace requirements

2.8 Cable is tested after jointing or terminating in accordance with the work plan and 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, and surplus resources and materials are managed in accordance with workplace requirements

3.5 Work permits are signed off in accordance with workplace requirements

3.6 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 not equivalent to UETDRDU008 Install gas and oil filled specialised underground cables.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>