



Australian Government

UEEDV0007 Install underground communication cables

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to install underground communication cables.

It includes working safely, preparing and filling trenches, placing conduits and ducts, drawing cables and completing documentation.

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

Pre-requisite Unit

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0020 Fix and secure electrotechnology equipment

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEEDV0005 Install and maintain cabling for multiple access to telecommunication services and

UEECD0043 Solve problems in direct current circuits

or

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

Competency Field

Data and Voice

Unit Sector

Electrotechnology

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 install underground communication cables

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified, obtained and applied
- 1.2** WHS/OHS risks are identified, and risk control measures and workplace procedures are followed in preparation for the work
- 1.3** Safety hazards that have not previously been identified are noted and risk control measures implemented
- 1.4** Cabling installation is prepared in consultation with others affected by the work and sequenced in accordance with workplace procedures
- 1.5** Scope of the work is determined from documentation and/or discussions with relevant person/s to establish the work to be undertaken
- 1.6** Cable routes are planned in accordance with the precinct, structure, significant and relevant industry standards
- 1.7** Advice is sought from relevant person/s to ensure the work is coordinated effectively with others
- 1.8** Material required for installation work is obtained in accordance with workplace procedures and job specifications
- 1.9** Tools, equipment and testing devices required for the installation work are obtained in accordance with workplace procedures and checked for correct operation and safety
- 1.10** Preparatory work is checked to ensure no damage has occurred in accordance with job specifications requirements

2 Install underground communication cables

- 2.1** WHS/OHS risk control measures and workplace procedures for carrying out the work are followed

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|---|---|
| | <ul style="list-style-type: none">2.2 Trenching is checked in accordance with job specifications and relevant industry standards2.3 Ducts/conduits are laid in accordance with job specifications and relevant industry standards2.4 Cables are drawn-in without stain or damage in accordance with job specifications and relevant industry standards2.5 Cable ends are protected from damage in preparation for termination2.6 Methods for dealing with unplanned situations are discussed with relevant person/s for approval and documented in accordance with workplace procedures2.7 Unplanned situations are dealt with safely and with the approval of relevant person/s2.8 Quality checks of the installed wiring are undertaken in accordance with workplace procedures2.9 Cable installation is carried out efficiently without waste of materials or damage to apparatus, circuits or the surrounding environment using sustainable energy practices |
| 3 Document and verify installation of underground communication cables | <ul style="list-style-type: none">3.1 WHS/OHS work completion risk control measures and workplace procedures are followed3.2 Worksite is cleaned and made safe in accordance with workplace procedures3.3 Documentation of cable installation is 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 UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEF113A Install underground communication cables.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>