



Australian Government

UEEDV0004 Install and connect data and voice communication equipment

Release: 2

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Modification History

Release 2. This minor update is to amend the Performance Criteria numbering.

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 and connect data and voice communication equipment.

It includes working safely, preparing and installing communications equipment, 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

UEEDV0008 Install, modify and verify coaxial and structured communication copper cabling

UEEDV0006 Install and modify optical fibre performance data communication cabling

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

Elements describe the essential outcomes.

1 Prepare to install communications equipment

PERFORMANCE CRITERIA

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

- 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** Installation of communications equipment is prepared in consultation with others and sequenced appropriately
- 1.3** Scope of work is determined from documentation and/or discussion with relevant person/s for work to be undertaken
- 1.4** Location of communications equipment and associated equipment is planned within the constraints of the building structure, significant and relevant industry standards
- 1.5** Advice is sought from relevant person/s to ensure the work is coordinated effectively with others
- 1.6** Material needed for the installation work is obtained in accordance with workplace procedures and job requirements
- 1.7** Tools, equipment and testing devices required for installation work are obtained in accordance with workplace procedures and checked for correct operation and safety
- 1.8** Preparatory work is checked to ensure no damage has occurred in accordance with workplace procedures

2 Install communications equipment

- 2.1** WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
- 2.2** Communications equipment tests are carried out in accordance with WHS/OHS requirements and

workplace procedures

- 2.3 Communications equipment is installed with sufficient access to affect terminations, adjustments and maintenance in accordance with job requirements and relevant industry standards
 - 2.4 Cabling is terminated at communications equipment in accordance with manufacturer requirements and relevant industry standards
 - 2.5 Methods for dealing with unplanned situations are discussed with relevant person/s for approval and documented
 - 2.6 Unplanned situations are dealt with safely and with the approval of an authorised person/s
 - 2.7 Quality checks of the installed communications equipment are conducted in accordance with workplace procedures
 - 2.8 Communications equipment installation is carried out efficiently without waste of materials or damage to communications equipment, circuits, surrounding environment and/or services using sustainable energy principles
- 3 Complete and report installation activities**
- 3.1 WHS/OHS work completion risk control measures and procedures are followed
 - 3.2 Worksite is cleaned and made safe in accordance with workplace procedures
 - 3.3 Final checks are made to ensure that the installed communications equipment is in accordance with relevant industry standards
 - 3.4 'As-installed' communications equipment is documented and relevant person/s notified in accordance with workplace procedures and relevant industry standards

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.

Installing and connecting must include the following:

- at least three different types of voice and data communications equipment
- at least three types of communications cable

Unit Mapping Information

This unit replaces and is equivalent to UEENEEF109A Install and connect data and voice communication equipment.

Links

Companion Volume Implementation Guides are found in VETNet -

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