



Australian Government

UEEDV0011 Set up and configure basic data communication systems

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 set up and configure basic data communication systems.

It includes working safely, installing data communications hardware, installing and configuring data communications software, and completing documentation.

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

Pre-requisite Unit

UEECS0003 Assemble, set up and test computing devices

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

Competency Field

Data and Voice

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to set up and configure data communication systems

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 Set-up and configuration work are determined from job specifications and in consultation with relevant person/s
 - 1.3 Relevant person/s is consulted to ensure work is coordinated effectively with others involved on the worksite
 - 1.4 Hardware and software required for work are obtained in accordance with workplace procedures and job specifications
 - 1.5 Preparatory work is checked to ensure no damage has occurred in accordance with workplace procedures and job specifications
- 2 Set up, configure and maintain data communication equipment**
 - 2.1 WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
 - 2.2 Layout of data communications hardware cabling and outlets is determined from job specifications and/or in consultation with relevant person/s
 - 2.3 Hardware is installed in accordance with the data communications system requirements
 - 2.4 Data communications software is installed and configured in accordance with network requirements
 - 2.5 Data communications operations are tested and anomalies identified and corrected
 - 2.6 Reported data communications failures and faults are reviewed and relevant tools and methods are used in accordance with workplace procedures
 - 2.7 Identified causes of reported problems are rectified and the data communications link is tested in accordance with workplace procedures
 - 2.8 Unplanned situations are dealt with safely and with the approval of relevant person/s
 - 2.9 Set-up configuration and maintenance are carried out efficiently without waste of materials or damage to apparatus, surrounding environment and/or services using sustainable energy practices
- 3 Complete work and**
 - 3.1 WHS/OHS risk control work completion measures and

document activities

workplace procedures are followed

- 3.2 Worksite is cleaned and made safe in accordance with workplace procedures
- 3.3 Data communications configuration and maintenance records are maintained in accordance with workplace procedures
- 3.4 Service report is completed and forwarded to relevant person/s 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.

Setting up and configuring data communications systems must include at least the following:

- communication modem/s
- communication port/s

Unit Mapping Information

This unit replaces and is equivalent to UEENEEF114A Set up and configure basic data communication systems.

Links

Companion Volume implementation guides are found in VETNet - -

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