



Australian Government

UEEDV0010 Select and arrange equipment for wireless communication networks

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 select and arrange equipment for wireless communication networks.

It includes selecting compliant equipment, developing wireless communication network arrangements, complying with regulations (based on calculations), justifying solutions and completing network 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

Competency Field

Data and Voice

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to select equipment

PERFORMANCE CRITERIA

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

- 1.1 Scope of the communications network is determined from job specifications
- 1.2 Work health and safety (WHS)/occupational health and safety (OHS) processes and relevant industry standards

- for the wireless network area are identified, obtained and applied
- 2 Arrange locations of equipment and cable routes**
 - 2.1** Location of equipment is arranged in accordance with job specifications and relevant industry standards
 - 2.2** Cable routes are planned to ensure maximum lengths in accordance with relevant industry standards and manufacturer specifications
 - 2.3** Cable routes are planned in accordance with job specifications and relevant industry standards
 - 2.4** Earthing is arranged in accordance with job specifications and relevant industry standards
 - 3 Select cables and equipment**
 - 3.1** Cable types are selected and installed for the environments in accordance with job specifications and relevant industry standards
 - 3.2** Cable sizes are selected in accordance with job specifications and relevant industry standards
 - 3.3** Earthing components are selected in accordance with job specifications and relevant industry standards
 - 3.4** Network equipment is selected and documentation obtained in accordance with WHS/OHS requirements
 - 3.5** Electronic equipment is selected for the environments in accordance with job specifications and relevant industry standards
 - 4 Document communications network**
 - 4.1** Justification for selection of equipment and calculations are documented in accordance with workplace procedures
 - 4.2** Wireless network equipment for arrangement and specifications for all selected items are documented in accordance with workplace procedures and forwarded to relevant person/s

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 UEENEEF108A Select and arrange equipment for wireless communication networks.

Links

Companion Volume implementation guides are found in VETNet - -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>