



Australian Government

UEEEEC0012 Design custom electronic equipment installations

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 design custom electronic equipment installations.

It includes preparing to design custom electronic installations, and developing and obtaining approval for installation designs.

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

UEECD0025 Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits

UEEEEC0077 Verify functionality and compliance of custom electronic installations

UEEEEC0004 Assemble and set up fixed video/audio components and systems in buildings and premises

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

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| 1 Prepare to design custom electronic installations | 1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for relevant work area are identified, obtained and applied |
| | 1.2 Risk control measures are applied in accordance with workplace procedures prior to commencing work |
| | 1.3 Extent of the proposed custom electronic installation is determined from the design brief or in consultation with relevant person/s |
| | 1.4 Design development work is planned in consultation with others to meet scheduled timelines |
| 2 Develop installation design | 2.1 Principles of audio/video components, home theatre acoustics and regulations are applied to the design |
| | 2.2 Installation design alternatives are considered based on the requirements outlined in the design brief |
| | 2.3 Safety, functional and budgetary considerations are incorporated in the installation design |
| | 2.4 Installation design draft is checked for compliance with the design brief and relevant industry standards |
| | 2.5 Installation design is submitted to relevant person/s for approval |
| | 2.6 Solutions to unplanned events are provided in accordance with workplace procedures |
| 3 Obtain approval for installation design | 3.1 Installation design is presented and explained to client and/or relevant person/s |
| | 3.2 Requests for design alterations are negotiated with relevant person/s in accordance with workplace procedures |
| | 3.3 Final design is submitted for approval of relevant person/s |
| | 3.4 Quality of work is monitored 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.

Designing custom electronic equipment installations must include at least the following:

- two custom electronic installations, one of which must incorporate a dedicated home theatre

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH135A Design custom electronic equipment installations.

Links

Companion Volume implementation guides are found in VETNet - -

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