



Australian Government

UEECD0061 Write specifications for refrigeration and air conditioning engineering projects

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 write specifications for a refrigeration and air conditioning engineering project.

It includes determining refrigeration and air conditioning engineering project specifications, documenting design and technical requirements, and obtaining approval for the project specification.

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

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

- 1 Prepare refrigeration and air conditioning engineering project specification requirements**

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) procedures for relevant work area are identified and applied

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| | 1.2 | Techniques for specification writing are reviewed and adopted in accordance with workplace procedures |
| | 1.3 | Scope of the specification is determined using formal evaluation/survey processes |
| | 1.4 | Criteria from other related works impacting on the specification are determined from relevant documentation, site visits and/or discussions with relevant person/s |
| 2 | Write refrigeration and air conditioning engineering project specification | |
| | 2.1 | Specification is developed to include scenarios/requirements determined in consultation with relevant person/s and regulatory requirements |
| | 2.2 | Specification is developed in collaboration with relevant design professionals and contractors involved in the project |
| | 2.3 | Competent person/s required for the project is identified and their roles specified in the specification |
| | 2.4 | Project specification is reviewed and adjusted to rectify any anomalies |
| | 2.5 | Project specification is developed in accordance with workplace procedures |
| 3 | Obtain approval for refrigeration and air conditioning engineering project specification | |
| | 3.1 | Project specification is presented and discussed with relevant person/s |
| | 3.2 | Alteration/s to project specification resulting from discussions is negotiated with relevant person/s in accordance with workplace procedures |
| | 3.3 | Project specification is finalised and approval obtained from 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.

- Writing specifications for refrigeration and air conditioning engineering project must include at least the following:
- one medium-sized refrigeration/air conditioning engineering project with the following attributes:
 - meeting safety requirements
 - determining client expectations
 - applying cost-effective solutions
 - designing and technical documentation requirements

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE073B Write specifications for refrigeration and air conditioning engineering projects.

Links

Companion Volume implementation guides are found in VETNet -

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