



Australian Government

UEECD0059 Write specifications for electrical 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 electrical engineering projects.

It includes preparing, writing specifications and obtaining approval for electrical engineering projects.

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 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) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** Techniques for specification writing are reviewed and applied in accordance with workplace procedures

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| | 1.3 | Relevant person/s is consulted and/or site visits conducted to identify other works impacting on specification |
| 2 Write specification | 2.1 | Specification is developed to include scenarios/requirements in consultation with relevant person/s and in accordance with relevant industry standards |
| | 2.2 | Specification is developed in collaboration with relevant design professional/s and/or contractor/s involved in the project |
| | 2.3 | Relevant person/s required for the project is identified and their role/s specified in the specification |
| | 2.4 | Specification is reviewed against all inputs and adjusted to rectify any anomalies |
| | 2.5 | Specification is developed in accordance with workplace procedures |
| 3 Obtain approval of specification | 3.1 | Specification is presented and discussed with relevant person/s |
| | 3.2 | Alterations to the specification resulting from the discussion are negotiated with relevant person/s in accordance with workplace procedures |
| | 3.3 | 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.

Developing specifications must include at least one medium-sized electrical engineering

- safety requirements met
- client expectations established
- cost-effective solutions pursued and assured

project with the following attributes:

- design and technical requirements documented

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE071B Write specifications for electrical engineering projects.

Links

Companion Volume implementation guides are found in VETNet - -

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