



Australian Government

UEECD0054 Write specifications for electronics and communications 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 electronics and communications engineering projects.

It includes preparing specification to meet client expectations, consulting with relevant person/s and/or information sources and documenting design with approval of relevant person/s.

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) requirements 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
	1.3	Scope of the specification is determined using formal evaluation/survey processes
	1.4	Criteria from related works impacting specification are determined from relevant documentation, site visits and/or discussions with relevant person/s
2	Write specification	
	2.1	Specification is developed with scenarios/requirements in consultation with relevant person/s in accordance with relevant industry standards
	2.2	Specification is developed in collaboration with relevant design professionals and contractors involved in the project
	2.3	Relevant person/s required for the project is identified and roles specified in accordance with specification scope
	2.4	Specification is reviewed in accordance with specification scope inputs and adjusted to rectify 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 discussions 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 a specification for medium-sized electronics and communications engineering project must include at least one of the following attributes:

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

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE072B Write specifications for electronics and communications engineering projects.

Links

Companion Volume implementation guides are found in VETNet - -

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