



Australian Government

UEECD0055 Write specifications for industrial electronics and control 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 industrial electronics and control projects.

It includes determining client expectations, ensuring cost-effective solutions are pursued, and documenting design and technical requirements.

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 adopted in accordance with workplace procedures

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| | 1.3 | Scope of industrial electronics and control projects specification is determined using formal evaluation/survey processes |
| | 1.4 | Criteria from related works impacting on specification are determined from relevant documentation, site visits and/or in consultation with relevant person/s |
| 2 Write specification | 2.1 | Specification is developed to include scenarios and requirements in consultation with relevant person/s and 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 project are identified and roles specified in the specification |
| | 2.4 | Specification is reviewed against inputs and adjusted to rectify any anomalies |
| | 2.5 | Specification is developed and documented 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 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 specification must include at least one medium-sized industrial electronics and control project and include at least the following:

- 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 UEENEEE075B Write specifications for industrial electronics and control projects.

Links

Companion Volume implementation guides are found in VETNet - -

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