



Australian Government

UEEEEC0047 Plan large electronic 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 plan large electronic projects.

It includes developing and documenting electronics project proposals, milestones and completions. It also includes establishing budgets; applying critical path analysis; developing workflow strategies; and documenting, presenting and negotiating budgets and timelines.

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

Pre-requisite Unit

Not applicable

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify electronic project 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 and applied
- 1.2** Techniques for electronic project planning are reviewed and adopted in accordance with workplace procedures

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| | 1.3 | Extent of the electronic project is determined from design brief specifications and/or other relevant documentation and from discussions with appropriate person/s |
| 2 Develop electronic project plan proposal | 2.1 | Plant, material, labour and relevant costs are sought and obtained from relevant person/s in accordance with workplace policies and procedures |
| | 2.2 | Project budget is determined from estimated plant, material, labour and other costs in accordance with workplace policies and procedures |
| | 2.3 | Critical path analysis is applied to developing workflow strategies |
| | 2.4 | Sources and availability of physical materials and human resources needed for the project are determined in accordance with workplace policies and procedures |
| | 2.5 | Risk management strategies are sought and applied in the project plan |
| | 2.6 | Project plan is reviewed in accordance with all inputs and adjusted to rectify any anomalies |
| | 2.7 | Project plan proposal is documented in accordance with workplace policies and procedures |
| 3 Obtain approval for project plan | 3.1 | Project plan is presented and discussed with relevant person/s |
| | 3.2 | Alterations to project plan resulting from the presentation/discussion are negotiated with relevant person/s in accordance with constraints of workplace policies |
| | 3.3 | Final project plan is documented and approval obtained from appropriate 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.

Planning an industry-accepted medium-sized electronic project must include at least the following attributes:

- budgets and timelines
- critical path analysis
- documentation
- plan presentation
- workflow strategies development

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH160A Plan large electronic projects.

Links

Companion Volume implementation guides are found in VETNet - -

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