



Australian Government

UEECD0029 Plan electrotechnology 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 an electrotechnology project.

It includes determining, developing and obtaining approval for an electrotechnology project plan. It also includes establishing budgets, critical path analysis, developing workflow strategies and documenting the plan.

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 Determine an electrotechnology project

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
- 1.2** Techniques for project planning are reviewed and adopted in accordance with workplace policies and procedures

	1.3	Scope of the project is determined from design brief, specifications and/or other relevant documentation and discussions with appropriate person/s
2 Develop project plan proposal	2.1	Plant, material, labour and other cost estimations are sought and obtained from appropriate person/s in accordance with workplace policies and procedures
	2.2	Project budget is determined from plant, material labour and other cost estimations in accordance with workplace policies and procedures
	2.3	Critical path analysis is applied to developing workflow strategies
	2.4	Sources and availability of materials and human resources required for the project are determined in accordance with workplace policies and procedures
	2.5	Risk management strategies are identified, assessed and applied in the project plan
	2.6	Project plan is reviewed against all inputs and adjusted to rectify any anomalies
	2.7	Project plan proposal is documented in accordance with workplace procedures
3 Obtain approval for project plan	3.1	Project plan is presented and discussed with appropriate person/s
	3.2	Alterations to the project plan resulting from presentation/discussion are negotiated with appropriate person/s in accordance with workplace policies and procedures
	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 electrotechnology project must include at least one of the following disciplines:

- automation technologies
 - computers
 - data communications
 - electrical
 - electrical machines
 - electronics
 - fire protection
 - instrumentation
 - refrigeration and air conditioning
 - renewable/sustainable energy
 - security technology
- Electrotechnology project cost must exceed:
- one hundred thousand Australian dollars (\$AUD100,000)

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE013B Plan electrotechnology projects.

Links

Companion Volume implementation guides are found in VETNet - -

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