



Australian Government

UEECD0057 Manage 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 manage an electrotechnology project.

It includes determining scope, managing an electrotechnology project and completing reporting/documentation.

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 scope of the 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** Project deliverables and budget are determined from relevant documentation and discussions with appropriate person/s

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| | 1.3 | Measurable outcomes to evaluate the electrotechnology project are identified from relevant documentation |
| | 1.4 | Resources needed to meet project outcomes are identified from relevant documentation |
| | 1.5 | Processes and procedures are developed for managing contract variations from discussions with relevant person/s and in accordance with contract |
| 2 | Manage the implementation of an electrotechnology project | |
| | 2.1 | WHS/OHS policies and procedures are implemented and monitored |
| | 2.2 | Project tasks are delegated to competent project person/s |
| | 2.3 | Project risks are identified, assessed and strategies implemented to ensure outcomes are achieved to relevant industry standards specified in the contract and in accordance with workplace procedures |
| | 2.4 | Procurement is monitored to ensure on-time supply of plant and materials in accordance with project plan and workplace procedures |
| | 2.5 | Verification of project technical design, modification, installation and/or maintenance of system and equipment parameters is completed against specifications and workplace procedures |
| | 2.6 | Project progress is monitored against schedule, quality requirements and budget |
| | 2.7 | Project/worksite conflicts are identified and managed in accordance with workplace procedures |
| | 2.8 | Variations in project are managed in accordance with agreed processes and the contract |
| | 2.9 | Project records are maintained and progress reports completed and provided to appropriate person/s |
| 3 | Complete electrotechnology project | |
| | 3.1 | Project outcomes are reviewed against project plan, risk strategies, contract variations, safety performance and budget |
| | 3.2 | Acceptance of project completion is sought from appropriate person/s and handover conducted in accordance with workplace policies and procedures |

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.

Managing electrotechnology projects must include the following:

- design
- modifications
- installation
- maintenance of systems and equipment
- management of:
 - WHS/OHS
 - budget
 - variations
 - personnel
 - resources and critical path timelines
 - progress monitoring
 - completion documentation

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE012B Manage electrotechnology projects.

Links

Companion Volume implementation guides are found in VETNet - -

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