



Australian Government

UEEEL0007 Develop detailed electrical drawings

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 develop detailed electrical drawings and documentation.

It includes preparing and developing detailed electrical drawing, and following documentation and workplace procedures.

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

Pre-requisite Unit

UEECD0031 Prepare engineering drawings using manual drafting and CAD for electrotechnology applications

UEECD0030 Prepare electrotechnology/utilities drawings using manual drafting and CAD equipment and software

UEECD0032 Produce detailed electrotechnology/utilities drawings using CAD equipment and software

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to develop

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 a given work area are

detailed electrical drawing		identified, obtained and applied
	1.2	WHS/OHS risk control measures and procedures in preparation for the work are followed
	1.3	Detailed electrical drawings are determined from the scope of work to be undertaken
	1.4	Electrical drawing details required for work to be undertaken are obtained from project specifications and in accordance with workplace procedures
	1.5	Appropriate person/s is consulted to ensure the work is coordinated effectively with others
	1.6	Software, tools and equipment for work are obtained in accordance with workplace procedures
2 Develop detailed electrical drawing	2.1	WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
	2.2	Detailed electrical drawings design and layout requirements are determined from project specifications
	2.3	Technical data of electrical system components are interpreted to determine parameters included in the detailed electrical drawings
	2.4	Appropriate software tools are used to produce detailed electrical drawings based on workplace procedures
	2.5	Detailed electrical drawings are checked for accuracy in accordance with workplace procedures and project specifications
	2.6	Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
3 Complete detailed electrical drawing documentation	3.1	Completed detailed electrical drawings are submitted to appropriate person/s to be checked for accuracy in accordance with workplace procedures and project specifications
	3.2	Alterations, additions or correction instructions are followed and detailed electrical drawings are re-submitted for final approval
	3.3	Completed detailed electrical drawings are filed securely in accordance with workplace 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEG179A Develop detailed electrical drawings.

Links

Companion Volume implementation guides are found in VETNet - -

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