



Australian Government

UEECD0064 Interpret, produce and modify electrotechnology drawings

Release: 1

UEECD0064 Interpret, produce and modify electrotechnology drawings

Modification History

Release 1. This is the first release of this unit of competency in the Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to interpret, produce and modify electrotechnology drawings.

It includes interpreting circuit, wiring and mechanical diagrams, equipment and cable/connection schedules and manuals; producing and modifying a range of electrical drawings; and using computer drawing packages to produce and modify drawings.

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 Interpret electrical drawings and diagrams

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Type of drawings and diagrams is determined from the nature of work to be undertaken
- 1.2** Relevant drawings, diagrams, site plans and cable/connection schedules or manuals required for the

work to be undertaken are determined and obtained

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| | 1.3 | Drawings, diagrams and cable/connection schedules are interpreted using drawing layouts, conventions and symbols |
| | 1.4 | Information is extracted from drawings and diagrams for application to the work to be undertaken |
| | 1.5 | Technical data of system components is interpreted |
| 2 | 2.1 | Produce electrical drawings
Drawing conventions are applied in neat and legible freehand drawings to convey information and ideas relevant to the work to be undertaken |
| | 2.2 | Correct drawing/diagram type is produced in accordance with job requirements |
| | 2.3 | Technical data of system components to determine parameters is included in drawings |
| | 2.4 | Drawings are checked for accuracy and compliance with requirements |
| | 2.5 | Completed drawings are submitted to relevant person for review |
| 3 | 3.1 | Modify electrical drawings
Drawing conventions are used to modify drawings in accordance with requirements |
| | 3.2 | Technical data of system components is modified in drawings |
| | 3.3 | Modified drawings are checked for accuracy and compliance with requirements |
| | 3.4 | Modified drawings are submitted to relevant person for review |
| 4 | 4.1 | Use computer drawing packages
Relevant computer drawing package software is used to produce drawings based on industry standard protocols |
| | 4.2 | Relevant computer drawing package software is used to modify drawings based on industry standard protocols |
| | 4.3 | Drawings are checked for accuracy and compliance with requirements |
| | 4.4 | Completed drawings are stored in accordance with requirements |

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 Electrotechnology Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit.

Links

Companion Volume Implementation Guides are found in VETNet -

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