



Australian Government

UEEEL0079 Plan and analyse LV electrical apparatus

Release: 1

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Modification History

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

Application

This unit covers planning and analysing the correct operation of single and three phase low voltage electrical apparatus. It covers planning their use in electrical installations, apparatus arrangements, and issues related to operation, characteristics, protection and solutions to apparatus problems.

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

Pre-requisite Unit

NIL

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to plan and analyse single and three phase low voltage electrical apparatus

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) risk control measures are identified and applied

1.2 Apparatus to be analysed, and scope of work to be undertaken are identified and confirmed

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| | 1.3 | Tools, equipment and testing devices needed to carry out the work are obtained and checked for correct operation and safety |
| 2 Plan and analyse single and three phase low voltage electrical apparatus | 2.1 | Apparatus is confirmed as being isolated where necessary in accordance with WHS/OHS requirements |
| | 2.2 | Apparatus is analysed using measured and calculated values as they apply to single and three-phase low voltage apparatus |
| | 2.3 | Apparatus problems are identified from analysis and solutions for rectification are recommended |
| | 2.4 | The use of apparatus in a specified electrical installation is planned in accordance with requirements |
| 3 Complete and document work | 3.1 | Results of analysis are recorded |
| | 3.2 | Justification for apparatus selection and installation planning is documented |
| | 3.3 | Work completion is documented and stored in an appropriate location |

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>