



Australian Government

UEEDV0013 Solve problems in voice and data communications circuits

Release: 1

UEEDV0013 Solve problems in voice and data communications circuits

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 solve problems in voice and data communications circuits.

It includes working safely; applying problem-solving procedures; using basic voltage, current and resistance measuring devices; and providing known solutions to predictable communication circuit problems.

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

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Competency Field

Data and Voice

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to work on voice and data communications circuits

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) requirements and workplace procedures for a given work area are identified, obtained and applied

- | | | |
|----------|--|---|
| | 1.2 | WHS/OHS risk control work preparation measures and workplace procedures are followed |
| | 1.3 | Scope of circuit/s problem is obtained from documentation and/or from work supervisor to determine the work to be undertaken |
| | 1.4 | Advice is sought from the work supervisor to ensure work is coordinated with others |
| | 1.5 | Sources of materials required for work are determined in accordance with workplace procedures |
| | 1.6 | Tools, equipment and testing devices required to carry out work are obtained and checked for correct operation and safety |
| 2 | Solve identified problems in voice and data communications circuits | |
| | 2.1 | WHS/OHS risk control work measures and workplace procedures are followed |
| | 2.2 | Need to test and measure live work is determined in accordance with WHS/OHS requirements and workplace procedures |
| | 2.3 | Circuits are checked and isolated in accordance with WHS/OHS requirements and workplace procedures |
| | 2.4 | Measured and calculated value routines are used to solve circuit problems for single path, single source circuits |
| | 2.5 | Problems are solved without damage to apparatus, circuits, the surrounding environment and/or services using sustainable energy practices |
| 3 | Complete work and document problem solving activities | |
| | 3.1 | WHS/OHS work completion risk control measures and workplace procedures are followed |
| | 3.2 | Worksite is cleaned and made safe in accordance with workplace procedures |
| | 3.3 | Justification for solutions used to solve circuit problems is documented |
| | 3.4 | Work completion is documented and relevant person/s notified 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 UEENEEF106A Solve problems in voice and data communications circuits.

Links

Companion Volume implementation guides are found in VETNet - -

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