



Australian Government

UEEAS0002 Conduct quality and functional tests on assembled electronic apparatus

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 conduct quality and functional tests on assembled electronic apparatus.

It includes working safely with electricity, testing device set-up, following inspection and testing procedures, interpreting and reporting testing and inspection results, and making recommendations for dealing with defects.

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

Assembly

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to conduct inspection and testing

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

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| | 1.2 | WHS/OHS risk control measures for work preparation are followed |
| | 1.3 | Scope of apparatus functions and quality requirements are identified, obtained and applied |
| | 1.4 | Testing processes and workplace procedures are reviewed and testing equipment checked for correct operation and safety |
| | 1.5 | Apparatus inspection and testing is coordinated with others involved in the work to ensure work schedules are met and safety measures are followed |
| 2 | Conduct apparatus testing | |
| | 2.1 | WHS/OHS risk control work measures and procedures are followed |
| | 2.2 | Need to inspect, test or measure live work is determined in accordance with WHS/OHS and workplace procedures |
| | 2.3 | Apparatus is checked and isolated in accordance with WHS/OHS and workplace procedures |
| | 2.4 | Inspection and testing are conducted in accordance with relevant industry standards, principles and technology of electrical measurement |
| | 2.5 | Test results are interpreted within the scope of required functionality and quality |
| 3 | Conduct apparatus inspection | |
| | 3.1 | WHS/OHS risk control work measures and procedures are followed |
| | 3.2 | Apparatus is checked and isolated in accordance with WHS/OHS and workplace procedures |
| | 3.3 | Apparatus is inspected for quality in accordance with workplace procedures and relevant industry standards |
| | 3.4 | Work is completed in acceptable timeframe, environment and workplace conditions |
| 4 | Report on apparatus inspection and testing | |
| | 4.1 | Recommendations for repairs to defects are reported within the scope of workplace procedures |
| | 4.2 | Report forms/data sheets on inspection and testing are completed |

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEA105A Conduct quality and functional tests on assembled electronic apparatus.

Links

Companion Volume implementation guides are found in VETNet - -

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