



Australian Government

UEEAS0002 Conduct quality and functional tests on assembled electronic apparatus

Release: 1

UEEAS0002 Conduct quality and functional tests on assembled electronic apparatus

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

- 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>

Assessment Requirements for UEEAS0002 Conduct quality and functional tests on assembled electronic apparatus

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- checking and isolating apparatus
- conducting apparatus inspection and testing
- following job specifications/scope
- identifying visual defects
- interpreting test results
- preparing to conduct inspection and testing
- recommending appropriate actions for dealing with defect apparatus
- reporting on apparatus inspection and testing
- reporting test results
- selecting and using testing and measuring devices correctly
- testing and measuring live work.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- relevant industry standards
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace quality, policies and procedures
- relevant verification procedures
- test equipment
- testing, including:
 - checklists

- interpreting test results within given parameters
- requirements
- routine testing procedures
- quality inspection, including:
 - checklists
 - interpreting test results within given parameters
 - requirements
 - routine testing procedures
- non-compliance reporting.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to conducting functional and quality tests on assembled electronic apparatus
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

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