



Australian Government

UEEAS0003 Modify electronic sub-assemblies

Release: 1

UEEAS0003 Modify electronic sub-assemblies

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 modify electronic sub-assemblies.

It includes working safely, checking components against job specifications, testing and following quality procedures.

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

Pre-requisite Unit

UEEAS0001 Assemble electronic components

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 modify electronic sub-assemblies

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 rework is determined from documentation or from work supervisor
 - 1.4 Re-work of sub-assemblies is coordinated with others involved in the work to ensure work schedules are met and safety measures are followed
 - 1.5 Sources of materials required for work are in accordance with workplace procedures
 - 1.6 Tools and equipment required for re-work are selected for their effectiveness and checked for correct operation and safety
- 2 Modify sub-assemblies**
 - 2.1 WHS/OHS risk control work measures and procedures are followed
 - 2.2 Need to inspect, 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 Components are disconnected and reconnected in accordance with relevant industry and technology of connection methods used
 - 2.5 Work is carried out in accordance with quality procedures and workplace/industry standards
 - 2.6 Re-work of sub-assemblies is completed in accordance with timeframes and environment and workplace conditions
- 3 Check quality of modified sub-assemblies**
 - 3.1 WHS/OHS risk control measures for work completion are followed
 - 3.2 Quality of re-work is checked in accordance with workplace/industry standards
 - 3.3 Functional tests on re-worked sub-assemblies are carried out in accordance with workplace procedures
 - 3.4 Actions are taken to rectify defects within the scope of workplace procedures
 - 3.5 Report forms/data sheets on re-work of sub-assemblies are completed 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEA104A Modify electronic sub assemblies.

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 UEEAS0003 Modify electronic sub-assemblies

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:

- adhering to quality procedures
- applying relevant work health and safety/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- carrying out functional tests
- checking and isolating circuits
- checking quality of modified sub-assemblies
- completing re-work in acceptable timeframe, environment and workplace conditions
- completing workplace reports/data sheets
- disconnecting and reconnecting components
- determining materials for work
- following job specifications
- inspecting, testing and measuring live work
- modifying sub-assemblies
- preparing to modify sub-assemblies
- rectifying defects
- selecting tools and equipment.

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:

- quality management system
- relevant manufacturer specifications and operating instructions
- relevant materials, tools and equipment
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace quality, instructions, policies and procedures.

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 re-working electronic sub-assemblies
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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