



Australian Government

UEEAS0005 Set up and check electronic component assembly machines

Release: 1

UEEAS0005 Set up and check electronic component assembly machines

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 set up and check electronic component assembly machines.

It includes working safely, interpreting job specifications, identifying components by characteristics, following machine set-up work instructions 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

UEEAS0004 Select electronic components for assembly

Competency Field

Assembly

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to set-up machine 1.1

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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 Work instructions are obtained and applied
 - 1.4 Advice is sought from the work supervisor to ensure that work is coordinated effectively with others
 - 1.5 Materials required for the work are obtained in accordance with workplace procedures
 - 1.6 Tools, equipment and testing devices needed to carry out the work are obtained and checked for correct operation and safety
- 2 Set up machine**
 - 2.1 WHS/OHS risk control work measures are followed
 - 2.2 Machines are checked and isolated in accordance with WHS/OHS and workplace procedures
 - 2.3 Electronic components are selected sorted and placed in accordance with work instructions and workplace procedures
 - 2.4 Machine is set up in accordance with work instructions ensuring specified components are loaded correctly
 - 2.5 Solutions are used to resolve issues with supply of component
 - 2.6 Quality and inspection checks are conducted to ensure components comply with workplace procedures/relevant industry standards
 - 2.7 Work is completed in acceptable timeframe given environment and workplace conditions
- 3 Complete work report**
 - 3.1 WHS/OHS risk control measures for work completion are followed
 - 3.2 Operational checks of machine are carried out in accordance with workplace procedures to ensure quality outcome are met
 - 3.3 Work report forms/data sheets on components 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 UEENEEA103A Set up and check electronic component assembly machines.

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 UEEAS0005 Set up and check electronic component assembly machines

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 check procedures
- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- checking and isolating machines
- completing work reports
- conducting machine operation checks
- following assembly job specifications
- identifying components
- obtaining materials for work
- obtaining work instructions
- preparing to set up machine
- setting up machine.

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 inspection methods
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instruction, quality, policies and procedures
- object-oriented programming language elements, including:
 - classes
 - objects

- instantiation
- fields
- methods
- constructors
- inheritance.

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 setting up and checking electronic component placement machines
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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