



Australian Government

Assessment Requirements for UEEAS0001

Assemble electronic components

Release: 1

Assessment Requirements for UEEAS0001 Assemble electronic components

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

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

- applying relevant work health and safety (WHS)/ occupational health and safety (OHS) requirements, including:
 - job safety assessments or risk mitigation processes
 - safe work method statements (SWMS)
- coordinating work with others
- checking and isolating circuits
- assembling electronic components/apparatus, including:
 - identifying and selecting tools, equipment and testing devices
 - identifying and applying work instructions, relevant workplace procedures, industry standards, codes of practice and regulations for electronic component assembly
 - selecting and placing components in accordance with drawings or diagrams
 - making connection without damaging components
 - adhering to quality workplace procedures and instructions
- verifying quality of assembled apparatus and connection of components
- applying problem solving techniques in accordance with workplace procedures
- completing required reporting.

Knowledge Evidence

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

- identification of surface mount components
- requirements of standard with respect to surface mount, including soldering
- post solder inspection
- ball grid arrays
- identification of surface mount components including ball grid arrays

- requirement of standards with respect to soldering
- post-solder inspection
- electronic components, apparatus and circuits
- interconnections requirements
- relevant industry standards
- reporting requirements
- relevant job safety assessments or risk mitigation processes
- relevant testing devices and inspection requirements
- relevant WHS/OHS legislated requirements
- requisition 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 other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, 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>