



Australian Government

UEEAS0001 Assemble electronic components

Release: 1

UEEAS0001 Assemble electronic components

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 assemble electronic components.

It includes preparing and assembling electronic apparatus. It also includes qualify checking of assembled components.

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 assemble electronic components

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 hazards are identified, risks are assessed and control measures are implemented for work preparation

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| | 1.3 | Assembling of electronic components work instructions are obtained and applied |
| | 1.4 | Advice is sought from work supervisor to ensure work is coordinated effectively with others |
| | 1.5 | Materials required for work are obtained in accordance with workplace procedures |
| | 1.6 | Tools, equipment and testing devices needed to carry out work are obtained and checked for correct operation and safety |
| 2 Assemble electronic components | 2.1 | WHS/OHS risk control measures and workplace procedures are followed |
| | 2.2 | Circuits are checked and isolated in accordance with WHS/OHS requirements and workplace procedures |
| | 2.3 | Components are placed and interconnections made in accordance with drawings or diagrams, industry standards and workplace procedures |
| | 2.4 | Work is completed in accordance within timeframe, environment and work instructions |
| 3 Check quality of assembled components | 3.1 | WHS/OHS risk control measures and workplace procedures for work inspection and testing are followed |
| | 3.2 | Quality of assembled component is inspected and checked in accordance with work instruction and relevant industry standards |
| | 3.3 | Problem-solving techniques are used where faulty component/s are identified and corrective actions completed in accordance with workplace procedures |
| | 3.4 | Reporting is 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 Training Package Companion Volume Implementation Guide.

Assembling electronic components must include at least two different electronic apparatus consisting of the following:

- printed circuit board
- plated through hole component or sub-system
- surface-mount component or sub-system

Unit Mapping Information

This unit replaces and is equivalent to UEENEEA101A Assemble electronic components.

Links

Companion Volume implementation guides are found in VETNet - -

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