



Australian Government

UEEEEC0055 Repair basic computer equipment faults by replacement of modules/sub-assemblies

Release: 1

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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 repair computer equipment by replacement of slot/plug connected modules/sub-assemblies.

It includes planning and repairing computer equipment and completing workplace reporting requirements.

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

AND

UEECD0043 Solve problems in direct current circuits

OR

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

OR

UEECD0040 Solve basic problems electronic and digital equipment and circuits

UEECD0043 Solve problems in direct current circuits

OR

UEECD0040 Solve basic problems electronic and digital equipment and circuits

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to repair computer equipment

2 Repair computer equipment

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) procedures for a given work area are identified and applied in accordance with workplace procedures
- 1.2** WHS/OHS risk control measures and workplace procedures are followed
- 1.3** Nature of the repair is obtained from documentation or supervisor to determine the scope of work to be undertaken
- 1.4** Advice is sought from the work supervisor to ensure the work is coordinated effectively with others
- 1.5** Sources of materials required for work are determined in accordance with workplace procedures
- 1.6** Tools, apparatus and testing devices needed to carry out work are obtained and checked for correct operation in accordance with workplace procedures and safe work practices
- 2.1** WHS/OHS risk control measures and workplace procedures for carrying out computer repair work are followed
- 2.2** Need to inspect, test and measure live electrical work is determined in accordance with WHS/OHS requirements, safe work practices and workplace procedures
- 2.3** Circuits/apparatus are checked and isolated in accordance with WHS/OHS requirements and

- workplace procedures
- 2.4 Apparatus is dismantled in accordance with manufacturer guidelines and supervisor's instructions
 - 2.5 Modules/sub-assemblies are tagged during the dismantling for correct and efficient reassembly and stored to protect components against loss or damage
 - 2.6 Repairs are undertaken without damage to other components, apparatus or circuits
 - 2.7 Apparatus is assembled in an appropriate sequence with all modules/sub-assemblies and parts correctly placed, secured and connected in accordance with manufacturer guidelines and industry standards
 - 2.8 Unplanned events are referred to supervisor for directions in accordance with workplace procedures
 - 2.9 Repairs are carried out efficiently without waste of materials, damage to apparatus or environment using sustainable energy practices
- 3 Complete and report repair work activities**
- 3.1 WHS/OHS work completion risk control measures and workplace procedures are followed
 - 3.2 Computer equipment is inspected, prepared and forwarded to appropriate person/s for testing
 - 3.3 Work area is cleaned and made safe in accordance with workplace procedures
 - 3.4 Work supervisor is notified of the completion of the repair work 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.

Carrying out repairs to computers and servers must include the following:

- replacement of at least three slot/plug connected modules/sub-assemblies having different functions and in which the fault has been previously established

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH101A Repair basic computer equipment faults by replacement of modules/sub-assemblies.

Links

Companion Volume implementation guides are found in VETNet - -

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