



Australian Government

UEEEEC0059 Repair routine business equipment faults

Release: 1

UEEEEC0059 Repair routine business equipment faults

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 routine business equipment faults. It includes preparing to repair business equipment, repairing business equipment, and completing and reporting on repair work activities.

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

UEECD0020 Fix and secure electrotechnology equipment

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

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to repair business 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) requirements and workplace procedures for relevant work area are identified, obtained and applied

- 1.2 Risk control measures are applied in accordance with workplace procedures prior to commencing work
 - 1.3 Nature of the repair is obtained from documentation or from relevant person/s to determine the scope of work
 - 1.4 Instructions for coordinating work with others is obtained from relevant person/s and applied
 - 1.5 Materials required for the work are determined in accordance with workplace procedures
 - 1.6 Tools, apparatus and testing devices required for work are obtained and checked for correct operation and safety
- 2 **Repair business equipment**
 - 2.1 Workplace risk control measures and procedures are applied
 - 2.2 The need to test and measure live work is determined in accordance with WHS/OHS requirements and workplace procedures
 - 2.3 Circuits/equipment are isolated, where necessary, in accordance with WHS/OHS requirements and workplace procedures
 - 2.4 Predictable faults are confirmed in accordance with testing procedures
 - 2.5 Apparatus is dismantled in accordance with manufacturer service guides and instructions from relevant person/s
 - 2.6 Component parts are tagged and stored during dismantling to protect against damage and loss and to ensure correct and efficient reassembly
 - 2.7 Repairs are made in accordance with manufacturer service guides and instructions from relevant person/s
 - 2.8 Apparatus is assembled in correct sequence with all components parts placed, secured and connected in accordance with manufacturer guides or industry practice
 - 2.9 Repaired equipment is tested in accordance with workplace procedures to verify it functions correctly

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| | 2.10 | Unplanned events are reported to relevant person/s in accordance with workplace procedures |
| | 2.11 | Repairs are conducted efficiently without waste of materials, damage to apparatus, the surrounding environment or services applying sustainable energy practices |
| 3 Complete and report repair work activities | 3.1 | Workplace risk control measures and workplace procedures are applied |
| | 3.2 | Work area is cleaned and made safe in accordance with workplace procedures |
| | 3.3 | Equipment is placed into service and relevant person/s notified of repair work completion in accordance with workplace procedures |
| | 3.4 | Relevant 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.

Carrying out routine repairs to business equipment must include at least the following:

- confirming at least two predictable faults in low volume (up to 40 ppm) different types of equipment
- following routine procedures to repair faults

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH103A Repair routine business equipment faults.

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 UEEEC0059 Repair routine business equipment faults

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, performance criteria and range of conditions on at least two separate occasions and include:

- accurately completing service reporting
- applying relevant risk identification, assessment, reporting and control requirements
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- carrying out routine repairs to business equipment
- coordinating work with relevant person/s
- correctly dismantling and reassembling business equipment
- dealing effectively with unplanned events
- determining live testing/measurement requirements
- determining scope of repair work
- following service instructions to access components
- following service instructions to confirm reported fault
- identifying and accessing materials, tools, apparatus and testing devices
- isolating circuits/machines/system
- removing and replacing electrical/electronic components
- removing and replacing mechanical components
- testing equipment operation.

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:

- component replacement and repair
- electromechanics of business machines
- electronic cable and conductor terminations
- fault finding tables, charts and procedures

- operational concepts of business machines
- relevant business equipment software
- relevant testing procedures
- relevant manufacturer specifications and service guides
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- workplace communication methods.

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 suitable simulated 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, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to carrying out routine repairs to business equipment.
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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