



Australian Government

Assessment Requirements for UEEEC0055 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.

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 three separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- applying sustainable energy practices
- communicating effectively
- completing report repair work activities
- connecting computer to a network
- dealing with unplanned events in accordance with problem-solving techniques and workplace procedures
- following computer repair procedures, including control measures for static electricity
- preparing and repairing computer equipment, including:
 - detecting faulty components
 - reassembling the computer equipment correctly
 - repairing computers without damage to other equipment, environment and services
 - replacing modules/sub-assemblies to manufacturer guidelines
 - testing computer equipment operation, including repaired faulty components
 - using components, apparatus or circuits
- reading and interpreting system specifications and workplace procedures
- using operating system tools to configure a peripheral.

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:

- personal computers structure and components and their function, including motherboards, memory modules, video modules, connecting buses, storage devices and the like
- personal computers assembling and dismantling techniques
- personal computers hardware faults

- basic network hardware and components
- connection of network media
- set-up of standard network configuration, including:
 - cable anchoring and support methods
 - termination methods
- basic repairs to computer equipment by replacing modules/sub-assemblies
- basic set-up of network configuration including hardware and components
- problem-solving techniques
- relevant computer structure and components repairs, including:
 - computer assembly and dismantle techniques
 - computer system inspection and testing techniques
 - static electricity control measures
 - three slot/plug connected modules/sub-assemblies, including:
 - modules, including self-contained hardware components, such as motherboards, memory cards, video modules, connecting buses and storage devices
 - sub-assemblies, including collections of integrated components that may form part of a module that are designed to be replaceable for servicing, such as the component part of a hard drive module or motherboard
- relevant industry standards
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instruction for tools, equipment, components, apparatus and circuits
- relevant testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions, including repair and quality workplace 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 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>