



Australian Government

UEECS0003 Assemble, set up and test computing devices

Release: 1

UEECS0003 Assemble, set up and test computing devices

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, set up and test computing devices.

It includes applying safe working practices; checking computer components; assembling components; installing and testing operating system, drivers and application software; following instructions and completing work.

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

Computer Systems

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Assemble computing devices

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) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** WHS/OHS risk control measures and workplace procedures in relation to computer and keyboard use are

followed

- 1.3** Advice is sought from work supervisor to ensure work is coordinated effectively with others
 - 1.4** Computer components, operating system, application software and testing devices are obtained in accordance with workplace procedures and relevant industry standards
 - 1.5** Computer components are assembled and connected in accordance with manufacturer instructions
 - 1.6** Quality checks are carried out in accordance with workplace procedures and instructions
 - 1.7** Unplanned events are referred to supervisor for directions
- 2 Install operating system and application software**
 - 2.1** WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
 - 2.2** Hardware requirements are determined for operating system to be installed in accordance with workplace procedures and application instructions
 - 2.3** Computer start-up instructions for installation of the operating system, drivers and network interfaces to default configuration are followed in accordance with workplace procedures and application instructions
 - 2.4** Application software is installed to default configuration in accordance with application instructions
 - 2.5** Authentication, data security, integrity, antivirus and logins are implemented on computing device
 - 2.6** Computer shutdown procedures are followed
 - 2.7** Quality checks are carried out in accordance with workplace procedures and application instructions
 - 2.8** Workplace procedures for referring non-routine events to immediate supervisor for directions are followed in accordance with workplace procedures
- 3 Test computer operation**
 - 3.1** WHS/OHS risk control measures and workplace procedures for carrying out the work are followed in accordance with workplace procedures and instructions

- 3.2 Computer start-up procedures are followed and checked in accordance with application instructions
 - 3.3 Computer network operating system and application programs are tested and operated correctly in accordance with application instructions and workplace procedures
 - 3.4 Faults are identified of hardware and/or software in accordance with workplace procedures
 - 3.5 Need to test and measure live work is determined in accordance with WHS/OHS requirements and workplace procedures
 - 3.6 Faults are rectified in accordance with workplace procedures and application instructions
 - 3.7 Workplace procedures for referring non-routine events to immediate supervisor for directions are followed in accordance with workplace procedures
 - 3.8 Computer shutdown procedures are followed in accordance with workplace procedures and application instructions
 - 3.9 Work is carried out efficiently without waste of materials or damage to apparatus, circuits, the surrounding environment or services using sustainable energy principles
- 4 Complete work and report**
- 4.1 WHS/OHS risk control work completion measures and workplace procedures are followed
 - 4.2 Work area is cleaned and made safe in accordance with workplace procedures
 - 4.3 Work supervisor is notified of the completion of 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEED102A Assemble, set-up and test computing devices.

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 UEECS0003 Assemble, set up and test computing devices

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 and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - using risk control measures
- assembling and connecting computing devices components
- carrying out quality checks
- completing and reporting work
- determining hardware requirements for operating system to be installed
- determining to test and measure live work
- following computer shutdown workplace procedures
- following computer start-up instructions
- identifying and rectifying hardware and/or software faults
- installing application software to default configuration.
- obtaining computer components, operating system and application software
- referring unplanned events to supervisor for directions
- seeking advice from work supervisor to ensure work is coordinated
- testing computer network operation
- using sustainable energy practices.

Knowledge Evidence

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

- problem-solving techniques
- relevant assembling and dismantling techniques
- relevant authentication and file and directory security
- relevant computer components, operating system, application software and testing devices
- relevant hardware faults and troubleshooting techniques
- relevant manufacturers specifications and operating instructions

- relevant network hardware and components
- relevant operating system installation and configuration
- relevant operating systems in use
- relevant repair techniques
- relevant job safety assessments or risk mitigation processes
- relevant set-up of standard network configuration
- relevant WHS/OHS legislated requirements, including:
 - computing device assembly/disassembly
- relevant workplace documentation
- relevant workplace quality, instructions, policies and procedures
- sustainable energy principles
- testing and measuring live work.

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 and equipment currently used in industry
- resources that reflect current industry practices in relation to assembling, setting up and testing personal computers
- 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>