



Australian Government

Assessment Requirements for UEECS0032 Support computer hardware and software for engineering applications

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 two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements
- completing and reporting upgrading and maintenance activities
- configuring authorisation and authentication
- configuring backup and recovery options
- configuring data access and usage
- configuring networking
- dealing with redundant files
- dealing with unplanned events
- dismantling, fitting upgrading sub-systems and reassembling correctly
- documenting maintenance activities
- documenting upgrading activities
- identifying application malfunctions
- identifying deployment or upgrade needs
- identifying device driver malfunctions
- identifying operating system malfunctions
- installing and configuring operating systems and applications software
- maintaining operation of computer hardware and software
- monitoring and maintaining an operating system using system tools
- obtaining appropriate upgrading sub-systems
- preparing to upgrade and maintain computer hardware and software
- rectifying software malfunctions
- testing and identifying faulty components
- testing maintenance repair
- testing upgraded software.

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:

- authentication and authorisation
- configuring file and folder access
- configuring hardware, device drivers and applications
- configuring network connectivity
- file structure and management
- management of peripheral devices
- operating principles of computer peripheral hardware
- operating system components and structure
- operating system imaging and deployment
- operating system installation, upgrades and migration
- operating system malfunctions and solutions
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- remote access
- troubleshooting techniques
- types and applications of computer peripherals
- WHS/OHS requirements
- computing device assembly/disassembly and computer operating systems.

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 used in industry

- resources that reflect current industry practices required to support computer hardware and software
- applicable documentation, including workplace procedures, equipment specifications, regulations, 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>