



Australian Government

Assessment Requirements for UEECS0021 Install and administer UNIX/LINUX-based networked computers

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, including the use of risk control measures
- configuring access to resources for users
- dealing with unplanned events
- documenting computer/network administration activities
- documenting network administration activities
- identify the UNIX/LINUX-based operating system variants, versions and updates required
- identifying computer/network malfunctions
- installing, upgrading and maintaining UNIX/LINUX-based computers and network operations
- installing, upgrading and configuring computer operating system
- preparing to install, upgrade and maintain network operations
- rectifying computer/network malfunctions
- carrying out UNIX/LINUX-based network administration efficiently without waste of materials and energy or damage to apparatus, the surrounding environment or relevant services.

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:

- accessing UNIX/LINUX and server and graphic user interface (GUI)
- backup and restoring data
- devices and drivers, storage, network protocols, connections, services and system security configuration processes
- directory and file management
- GUI applications

- networking/internet set-up procedures
- installing applications software
- operating system components and structure
- operating systems malfunctions and solutions
- printing
- relevant manufacturer specifications and developer instructions
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace instructions, policies and procedures
- system processes and memory management (Korn and C shells)
- system tools
- UNIX/LINUX 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 currently used in industry
- resources that reflect current industry practices in relation to installing and administering UNIX/LINUX-based computers
- 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>