ICTICT302 Install and optimise operating system software

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit defines the skills and knowledge required to install, configure and optimise operating system (OS) software to meet business and client needs.

It applies to individuals who may work under supervision and support others using well developed skills in creating solutions through analysis and evaluation of information.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

General ICT

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Determine function of operating system	1.1 Identify and demonstrate understanding of the purposes of operating system 1.2 Distinguish between batch system, real-time system and multi-tasking system 1.3 Compare and contrast different operating systems and their features 1.4 Identify and demonstrate knowledge of the basic functions of operating system, including file system, memory management, process scheduling 1.5 Identify and demonstrate management of virtual memory
2. Obtain operating	2.1 Contact operating system vendors to obtain technical

ELEMENT	PERFORMANCE CRITERIA
system	specifications and system requirements
	2.2 Identify process and steps required to install and configure the operating system using installation components
	2.3 Document adjustment recommendations and provide to appropriate person
	2.4 Determine and apply knowledge of licensing, hardware and security requirements
3. Install, configure and optimise operating system	3.1 Install, configure and test operating system using installation components and boot-utility options
	3.2 Use the relevant operating system user interface to correctly configure the installation
	3.3 Optimise the system to meet organisational requirements
	3.4 Document the system according to organisational requirements
	3.5 Install the operating system with minimal disruption to client or users
4. Provide instruction to meet new software requirements	4.1 Provide one-to-one instruction about changes to the client or users as required
	4.2 Obtain client evaluation about new system to ensure requirements are met, using appropriate feedback mechanism

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.3-1.5, 2.1, 2.2, 2.4, 3.1, 3.2, 4.2	• Identifies, analyses and evaluates a range of on-line and hard-copy text containing complex, OS specific terminology, and applies the information to the selection, installation, configuration and optimisation of operating systems • Interprets and comprehends a large range of syntax, diagrams, icons, symbols, text, numbers and letters necessary to install and configure operating systems

Writing	2.3, 3.4	• Uses the correct spelling and grammar, clear plain English and systems related text to document recommendations and processes, and develop feedback tools
Oral Communication	2.1, 3.5, 4.1, 4.2	• Elicits and evaluates information using OS related terminology and effective listening and questioning techniques • Uses simple and relevant language to liaise with clients, present information and obtain feedback
Navigate the world of work	2.4	• Takes some personal responsibility for adherence to legal and regulatory requirements, and seeks clarification when required
Get the work done	1.1-1.5, 2.1, 2.2, 3.1-3.3, 3.5	• Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for greater efficiency and considering how to link with the work of others • Understands the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT302 Install and optimise operating system software	ICAICT302 Install and optimise operating system software	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2