



Australian Government

ICTICT213 Use computer operating systems and hardware

Release: 1

ICTICT213 Use computer operating systems and hardware

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to select, install, configure and use computer operating systems and basic computer hardware. This involves configuring the operating system to work with a variety of hardware peripherals and types of information and communications technology (ICT) equipment.

It applies to those who work under supervision and provide support to others. This includes individuals who apply a range of configuration skills to use and solve issues in operating systems and hardware.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify operating system and hardware components	1.1 Identify and discuss differences between industry standard computer operating systems 1.2 Determine ICT organisational requirements and specifications 1.3 Identify and select operating system and application software according to required task 1.4 Identify internal and external hardware components
2. Install and configure operating system, application software	2.1 Identify relationship between application software, operating system and hardware 2.2 Install and configure operating system according to

ELEMENT	PERFORMANCE CRITERIA
and hardware components	organisational requirements 2.3 Identify functions associated with operating system and associated boot process 2.4 Use graphical user interface and command line interface and perform basic tasks according to task requirements 2.5 Install and configure application software on operating system 2.6 Configure operating system to work with required hardware components according to organisational procedures
3. Optimise operating system and hardware components and seek feedback	3.1 Optimise operating system using tools and vendor utilities 3.2 Customise graphical user interface and command line interface using command line techniques 3.3 Install identified hardware drivers and check functionality 3.4 Seek review and feedback from required personnel and confirm actions were completed

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	- Identifies and reviews both on-line and hard-copy text with terminology applicable to ICT industry and applies this knowledge in using and configuring computer operating systems - Interprets and comprehends diagrams, icons, symbols, text, numbers and letters required in installing and configuring operating systems, software and hardware
Writing	- Inputs commands using systems related syntax, text and numbers - Uses required terminology, text, letters and numbers in responding to computer generated prompts
Planning and organising	Plans routine tasks with goals and outcomes, taking limited responsibility in decisions regarding sequencing and timing
Technology	Identifies purposes and uses specific functions and key features of basic digital systems and tools

Unit Mapping Information

Supersedes and is equivalent to ICTICT201 Use computer operating systems and hardware.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTICT213 Use computer operating systems and hardware

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- select, install, configure and use a computer operating system
- install, configure and run at least one application software and at least one supporting hardware component
- optimise at least one operating system using tools, drivers and vendor utilities.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- basic specifications of operating systems, hardware and applications software products
- compatibility and functions of operating systems, in respect to other versions
- operating system optimisation tools and vendor utilities
- functions and features of boot process
- command line techniques
- vendor utilities
- organisational guidelines, procedures requirements and specifications.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- hardware components including required software and drivers
- industry standard operating system and application software
- software configuration guides.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>