
COMPUTER SUPPORT
Demonstrate an understanding of
hardware components for personal
computers

level:	5
credit:	7
final date for comment:	March 2001
expiry date:	December 2001
sub-field:	Computing
purpose:	People credited with this unit standard are able to: describe characteristics of personal computer hardware components; compare and select personal computer hardware components; and test personal computer hardware components. The performance of all elements is to a standard that allows for further learning in this area.
entry information:	Open. The credit value of this unit standard is calculated assuming a person has the prior knowledge and skills to operate a personal computer system and show an understanding of the principles of personal computer systems.
accreditation option:	Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.
moderation option:	A centrally established and directed national moderation system has been set up by NZQA on behalf of the Computing and Information Technology Advisory Group.
special notes:	1 Range: central processor, bus, memory, input and output devices, storage devices, power supply.

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- 2 The term *Current industry practice* refers to a practice used and recommended by an organisation involved in the computer industry.

Elements and Performance Criteria

element 1

Describe the characteristics of personal computer hardware components.

performance criteria

- 1.1 The purpose of a component is described by identifying examples and outlining their functions.
- 1.2 The technology of a component is described by outlining their operating principles.
- 1.3 The relationship between components is described by outlining the interaction between components.

element 2

Compare and select personal computer hardware components.

performance criteria

- 2.1 Performance measures are identified that allow components to be compared.

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- 2.2 An explanation of performance issues outlines the relationship between performance and system use.
- 2.3 Selection of personal computer hardware components for a given situation is justified by comparisons of available options.

element 3

Test personal computer components.

performance criteria

- 3.1 Tests are completed according to an industry recommended practice.
- 3.2 Faulty components are identified as a result of testing.

Comments to:

Computing and Information Technology Advisory Group
Unit Standard Revision
PO Box 160
WELLINGTON

by March 2001.

Please Note: Providers must be accredited by the Qualifications Authority before they can offer programmes of education and training assessed against unit standards.

Accredited providers assessing against unit standards must engage with the moderation system that applies to those unit standards. [Please refer to relevant Plan ref: 0011]