
GENERIC COMPUTING
**Use computer technology to solve a
specified problem**

level:	3
credit:	3
final date for comment:	December 2006
expiry date:	December 2007
sub-field:	Computing
purpose:	People credited with this unit standard are able to analyse a specified problem, propose options, and implement the preferred option for solving the problem using computer technology.
entry information:	Open. However, the credit value of this unit standard is based on a person having the prior knowledge and skills to operate a personal computer, such as those covered by Unit 2780, <i>Demonstrate and apply knowledge of a personal computer system</i> .
accreditation option:	Evaluation of documentation by NZQA.
moderation option:	A centrally established and directed national moderation system has been set up by NZQA.
special notes:	<ol style="list-style-type: none">1 The specified problem may be an open ended or a closed type.2 The problem should have at least two options that require computer technology.3 The assessment should be of a standard that allows for further learning in this area.4 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992 and its subsequent amendments.

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- 5 An assessment resource to support computing unit standards (levels 1 to 4) can be found on the NZQA website at <http://www.nzqa.govt.nz/providers/resources/index.html>.

Elements and Performance Criteria

element 1

Analyse a specified problem using computer technology.

performance criteria

- 1.1 The analysis identifies the critical factors involved in the problem and the success criteria for evaluating options.

element 2

Propose options for utilising computer technology to solve a specified problem.

performance criteria

- 2.1 The proposed options are capable of solving the problem according to the success criteria.
- 2.2 The description of each option identifies the computer technology required for its implementation.
- 2.3 The description of each option allows alternative options to be evaluated.
- 2.4 The options are evaluated according to the success criteria.
- 2.5 The recommendation for a preferred option is justified based on the evaluation of the alternative options.

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element 3

Implement the preferred option to solve a specified problem using computer technology.

performance criteria

3.1 The preferred option is implemented according to the proposal.

3.2 The implementation fulfils the success criteria.

Comments on this unit standard

Please contact NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.

Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0226 which can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.