

Field **Computing and Information Technology**

Review of *Computing* unit standards

Subfield	Domain	ID
Computing	Computer Support	18750
	Generic Computing	2796, 5943, 6745, 6748, 7910
	Software Development – Multimedia	5959-5961, 5964
	Software Development – Programming	6763
	Software Development – Design	18749

NZQA National Qualifications Services has completed the review of the unit standards listed above.

Date new versions published

November 2010

Planned review dates

26744, 26745, 26746 (New)	December 2013
2796, 5943, 6745, 6748, 7910, 18750 (Category B)	December 2015

Summary

These unit standards were reviewed in order to complete the review of all computing unit standards that had passed their planned review date.

The review involved the establishment of an expert panel comprising members from Tairawhiti and EIT Polytechnics, Te Wananga o Aotearoa, Secondary Schools, University of Waikato School Support Services and the National Moderators for Levels 1-4 and Level 5 and above.

It was agreed that unit standards 5959-5961 were no longer fit for purpose and should be replaced by newly developed standards. It was further agreed that unit standards 6763 and 18749 were no longer fit for purpose and were not required. National Qualifications Services may consider developing new standards in the future that better reflect contemporary programming skills.

The draft reviewed standards were made available for national consultation on the NZQA website through August and September 2010.

Main changes

- The titles of unit standards 2796, 5943, 6745, 7910 and 18750 have been amended to better reflect the purpose of the standards.
- Unit standards 5959 and 5960 have been replaced by new unit standard 26744 and reclassified to domain *Generic Computing*.
- Unit standard 5961 has been replaced by new unit standard 26745 and reclassified to domain *Generic Computing*.

- Unit standard 5964 has been replaced by new unit standard 26746 and reclassified to domain *Generic Computing*.
- Unit standards 6763 and 18749 have been designated expiring and will not be replaced.
- Changes to explanatory notes across the standards to update terminology and legislation.
- Changes to outcomes to better reflect the title of the standard.
- Changes to evidence requirements to better reflect expected candidate performance.

Category C and D unit standards will expire at the end of December 2013

Impact on existing accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification	Level	Nature of accreditation	ID	Level
Domain	Software Development - Multimedia	2	Standards	26745	1
				26744	2
Domain	Software Development – Multimedia	4	Standards	26745	1
				26744	2
				26746	4

Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made – the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same – the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit	Review Category
2796	Demonstrate knowledge of the principles of electronic logic for computing Demonstrate knowledge of the principles of electronic logic gates in computing	4	9	B
5943	Investigate and operate leisure-oriented computer applications Investigate use of digital applications for leisure	2	3	B
		1	2	
6745	Use single-user and multi-user computer operating systems Demonstrate and apply knowledge of single-user and multi-user computer operating systems	4	5	B
6748	Explain ethics and professionalism for the computer industry in New Zealand	5	7	B

ID	Title	Level	Credit	Review Category
7910	Explain how data is stored on computers Demonstrate knowledge of computer data types and data structures	5	7	B

Computing and Information Technology > Computing

ID	Domain	Title	Level	Credit	Review Category
5959	Software Development – Multimedia	Demonstrate an understanding of digitising video for multimedia computer applications	2	3	C
5960		Demonstrate an understanding of digitising sound for multimedia computer applications	2	3	C
26744		Generic Computing Produce a media application for use on a communication device to meet a set brief	2	5	
5961	Software Development – Multimedia	Demonstrate an understanding of digitising still images for multimedia computer applications	2	3	C
26745		Generic Computing Produce still images for a range of digital media	1	3	
5964	Software Development – Multimedia	Demonstrate an understanding of creating multimedia computer applications with scripting	4	6	C
26746		Generic Computing Create a media application with scripting for use on a communication device to meet organisation requirements	4	6	

Computing and Information Technology > Computing > Software Development – Programming

ID	Title	Level	Credit	Review Category
6763	Demonstrate computer programming skills using a third generation language	5	14	D

Computing and Information Technology > Computing > Software Development – Design

ID	Title	Level	Credit	Review Category
18749	Create a simple graphical user interface (GUI) for a computer application	3	5	D

Computing and Information Technology > Computing > Computer Support

ID	Title	Level	Credit	Review Category
18750	Produce a simple electronic training package for organisation use Produce a learner focused electronic training package for organisation use	3	5	B