Field   Computing and Information Technology

Revision and rollover of *Computing* unit standards

Subfield	Domain	ID
Computing	Computer Support	6836, 6852, 6869-6874, 26227
	Generic Computing	2780, 2783-2792, 2797, 5940, 5946-5948, 5951-5955, 5957, 5968, 6743, 6746, 6747, 6750, 18734, 18742, 18743, 18756, 18758, 20332, 24872, 25655-25662, 25782, 26226, 26228-26230, 26744-26746
	Software Development - Programming	2795, 6761, 18739-18741

NZQA National Qualifications Services (NQS) has completed the revision and rollover of the unit standards listed above.

Date new versions published   **September 2013**

Planned review date   **December 2016**

Summary

The mandatory review of Information and Communication Technology (ICT) qualifications, which includes computing qualifications, is currently underway, and the computing unit standards above are due for review in 2013. The flow-on effects of the mandatory review on these standards is unknown, so they have been revised and rolled over to extend their period of listing on the DAS. Once the current review of ICT qualifications has been completed, the computing unit standards will be progressively reviewed in light of the new qualifications.

Changes have been made only where necessary to ensure the standard is current (e.g. with legislation and new format) and where there have been issues with clarity or intent.

Main changes

- Where required, the unit standards have been changed into the current format.
- Purpose statements of standards 2788, 6761, 6836, 6873, 25660, 25658, 26227, 26229 and 26230 were updated to better reflect their outcomes.
- A last date for assessment has been added to the previous versions of each unit standard. This is 31 December 2015 for the last version and 31 December 2013 for all earlier versions.
- Explanatory notes were clarified from feedback received, to better reflect intent and to update relevant guidelines or legislation.
- Standards 2780, 2785, 2790, 6743, 6871, 6873, 18756, 20332, 25659 and 26227 were revised to clarify range and/or evidence requirements.

There are no impacts on existing organisations with consent to assess, on Consent and Moderation Requirements (CMR), or on registered qualifications.

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

All changes are in **bold**.

Computing and Information Technology > Computing > Computer Support

ID	Title	Level	Credit
6836	Apply the principles of resolving problems for single and multi-user computer operating systems	5	5
6852	Describe data communications	4	4
6869	Demonstrate an understanding of hardware components for personal computers	5	7
6870	Assemble, test and dispatch a single-user personal computer and its peripherals from modules	5	5
6871	Install and test a single-user personal computer and peripherals	5	5
6872	Install single-user personal computer system software and applications software	5	5
6873	Repair a personal computer to module level	5	10
6874	Repair personal computer peripherals to module level	5	10
26227	Describe and create a local area network	5	7

Computing and Information Technology > Computing > Generic Computing

ID	Title	Level	Credit
2780	Demonstrate and apply knowledge of a personal computer system	1	3
2783	Demonstrate knowledge of the components of personal computer systems	2	3
2784	Create and use a computer spreadsheet to solve a problem	2	3
2785	Create a computer spreadsheet to provide a solution for organisation use	3	5
2786	Create and use a computer database to solve a problem	2	3
2787	Create and use a computer database to provide a solution for organisation use	3	6
2788	Produce desktop published documents to meet a set brief	2	5
2789	Produce desktop published documents for organisation use	3	6
2790	Use and maintain personal computer peripherals	2	3
2791	Integrate spreadsheet and database data into word processed documents to meet a set brief	2	3
2792	Produce simple desktop published documents using templates	1	2
2797	Demonstrate knowledge of the principles of computer networks	3	4
5940	Produce a presentation using a desktop presentation computer application	2	3
5946	Use computer technology to create and deliver a presentation from given content	1	3
5947	Use computer technology to solve a specified problem	3	3
5948	Use computer technology to research and present a topic	4	3

ID	Title	Level	Credit
5951	Describe the concepts of information systems deployment	3	3
5952	Demonstrate an understanding of information systems analysis	4	3
5953	Create and monitor a project plan using a computer application	3	3
5954	Automate processes in a computer application using a scripting language	3	5
5955	Demonstrate an understanding of documentation for computer applications	3	5
5957	Produce schematic diagrams using a computer application	2	2
5968	Discuss the social implications of information technology	3	3
6743	Demonstrate an understanding of ergonomic principles for computer workstations	2	2
6746	Describe information systems departments in business organisations	4	3
6747	Explain the role of information technology in business	5	4
6750	Demonstrate an understanding of computer software development life cycles	5	4
18734	Create a web page using a template	1	2
18742	Produce a relational database solution for organisational use	4	8
18743	Produce a spreadsheet from instructions using supplied data	1	2
18756	Use and maintain a computer database for business reporting and decision making	3	4
18758	Find information using the Internet	1	2
20332	Use the Internet for information retrieval in an organisation	2	3
24872	Produce documents for a workplace using a computer	3	3
25655	Create a website using a dedicated web-authoring tool to meet a set brief	2	3
25656	Create a website using a mark-up language to meet a set brief	2	3
25657	Create a website for a stakeholder using a mark-up language	3	6
25658	Create a website for a stakeholder using a dedicated web-authoring tool	3	5
25659	Create a web page using a mark-up language with a text editor	1	2
25660	Create a computer-controlled project	3	5
25661	Design and assemble an interactive media product without scripting	3	3
25662	Use digital communications technologies	2	3
25782	Investigate the use of Information and Communications Technology in an organisation	3	6
26226	Demonstrate knowledge of computer database management systems	4	3
26228	Evaluate and recommend with justification the suitability of computer applications against user requirements	4	4
26229	Create an interactive website for a stakeholder using client-side scripting	4	10

ID	Title	Level	Credit
26230	Create an interactive website for a stakeholder using server-side scripting	4	10
26744	Produce a media application for use on a communication device to meet a set brief	2	5
26745	Produce still images for a range of digital media	1	3
26746	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
2795	Create and operate a computer program to provide a solution for an organisation	4	15
6761	Demonstrate an understanding of the principles of computer programming	5	7
18739	Create and use simple command sequences in a computer language	1	2
18740	Create a simple computer program to meet a set brief	2	3
18741	Create a computer program to provide a solution	3	6