

FIELD COMPUTING AND INFORMATION TECHNOLOGY**Revision and rollover of *Computing* unit standards**

Subfield	Domain	Id
Computing	Computer Support	6852, 6853 , 18744, 18750-18753, 18755
	Generic Computing	2780, 2781, 2783-2792, 2796-2798, 5938-5944, 5946-5954, 5956-5958, 5962-5963, 5965-5969, 6743-6746, 15167-15169 , 18734-18738, 18742, 18743, 18745, 18746, 18748, 18756, 18758, 20332
	Software Development - Design	18749
	Software Development - Multimedia	5959-5961, 5964
	Software Development - Programming	2795, 18739-18741, 18757
	Software Development - System Assurance and Documentation	5955

Unit standards shown in **bold** in the above table have also been rolled over.

NZQA National Qualifications Services has revised the unit standards listed above, which were registered in August 1998, November 2000, July and October 2002, and October 2003.

The rationale for the rollover of some of the standards is to align the date of their next review with that of the other unit standards listed above. This review is planned to occur during 2007. All standards now have the same 'comments by date'.

Date new versions published

July 2004

New comments by date

December 2006

Expiry date of new versions of the unit standards

December 2007

Reason for the revision

The standards were revised in response to feedback received from assessors and through the moderation process, and as a consequence of work on developing assessment resource material for computing standards, levels 1 to 4. Much of the feedback focused on difficulties in interpreting the assessment requirements for a number of the standards, especially those which included planning components.

Main changes resulting from the revision

The following changes were made.

- Special notes covering planning were amended, or added, to unit standards that include planning components in order to clarify requirements.
- Unit standard 2780 – a number of changes were made to clarify assessment requirements, and to make the standard more flexible in terms of the technology available in the range of possible assessment contexts. Element 4 and the title were reworded to reflect the outcomes more accurately.
- Unit standard 18738 – additions and clarifications made to the special notes and element 2 performance criteria to clarify the requirements for interactivity. Other minor clarifications were also made.
- Element 2 of unit standard 18743 was removed, as it added little to the outcome already covered by element 1. The title was adjusted in line with this change.
- Some evidence requirements in unit standards 2787, 2788, 2789, 2791, 5938, 5939 and 18751 were adjusted where they were unclear, unnecessary, or unduly restrictive.
- Unit standards 5946, 5948 and 18758 – minor changes made to make them more accessible. Titles were amended.
- Titles of unit standards 18734, 18736, and 18743 were amended.
- Minor wording changes were made in some standards to correct errors or improve clarity.
- All standards now include a special note regarding the availability of a computing assessment resource on the NZQA website.

Impact on existing provider accreditations

None.

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

The following National Qualifications Services qualifications are not materially affected by the changes to unit standard 2780. They will be updated when they are next reviewed or revised.

Qualification Title	Ref
National Certificate in Computing (Level 2)	0010
National Certificate in Computing (Level 3)	0011
National Diploma in Captive Wild Animals (Zoological Gardens and Wild Life Parks), with strands in Birds, Mammals, and Reptiles and Amphibians	0320
National Diploma in Pacific Islands Early Childhood Education Teaching (Pasifika) (Level 7)	0983

The following qualifications, developed by other SSBs, are not materially affected by the changes to unit standard 2780. They will be updated when they are next reviewed or revised.

Qualification Title	Ref	SSB Name
National Certificate in Textile Dyeing and Finishing (Dyeing Technology) (Level 4) with strands in Shade Assessment and Measurement, and Chemical Preparation	0181	Apparel and Textile ITO
National Certificate in Wool Scouring (Operations) (Level 2)	0637	
National Certificate in Marine Sales and Services (Marine Retailing) (Level 2)	0548	Boating ITO
National Certificate in Diversional Therapy (Level 4)	0727	Community Support Services ITO
National Certificate in Fire Detection and Alarm Systems (Level 4)	0569	Competenz
National Certificate in Fire Protection Systems Technology (Inspection and Testing) (Level 4)	0864	
National Certificate in Hand Operated Fire Fighting Equipment (Level 3)	0568	
National Certificate in Lifts and Escalators (Level 4) with strands in Installation, and Servicing	0662	
National Certificate in Locksmithing (Level 4)	0452	
National Diploma in Fire Protection Systems Technology (Certification of Fire Safety Systems) (Level 5)	0867	
National Certificate in Electricity Supply (Electrical) (Level 2) with optional strands in Electrical Fitter, and Technician	0887	
National Certificate in Electricity Supply (Mechanical Fitter) (Level 2)	0890	
National Certificate in Electricity Supply (Trades Assistant) (Level 2)	0924	
National Certificate in Call Centre Operations	0643	ElectroTechnology ITO
National Certificate in Electrical Engineering (Electrician) (Level 4)	0313	
National Certificate in Electrical Engineering (Level 2)	0174	
National Certificate in Electrical Engineering (Level 3)	0223	
National Certificate in Electronic Engineering (Level 3)	1093	
National Certificate in Electronic Engineering (Level 2)	1092	
National Certificate in Offender Management (Level 3)	0678	
National Certificate in Telecommunications (Level 4) with strands in Bearer and Switch, Building and Data Cabling, Customer Access Network, Customer Premises Equipment, and Radio	1002	
National Certificate in Telecommunications (Maintenance and Repair) with strands in Computer, Electronics, Mechanical, and Radio	0108	
National Certificate in Telecommunications (Management and Operations) with strands in Computer, Electronics, Mechanical, and Radio	0102	
National Certificate in Telecommunications (Manufacture and Production) (Level 3)	0106	Forest Industries Training
National Certificate in Telecommunications (Planning and Design) with strands in Computer, Electronics, Mechanical, and Radio	0107	
National Certificate in Telecommunications (Sales and Service) with strands in Sales, and Support	0104	
National Certificate in Credit Administration (Level 3)	0673	
National Certificate in Design (Draughting) (Level 2)	0640	Infratrain
National Certificate in Surveying (Level 3)	0432	New Zealand
National Certificate in Footwear (Level 3) with strands in Clicking, Closing, Bottom Stock, and Making and Lasting	0225	Leather ITO
National Certificate in Civil Defence Management	0328	Local Government ITO
National Certificate in Meat Processing (Smallgoods) (Level 1)	0955	NZITO

Qualification Title	Ref	SSB Name
National Certificate in Civil Construction Supervision with optional strands in Demolition, Drainage, Earthworks, Survey and Set Out, High Capacity Highways, Road Construction, Road Maintenance, Traffic, and Training	0209	NZ Contracting ITO
National Certificate in Civil Plant Management	0253	
National Certificate in Equine (Introductory Skills)	0215	NZ Equine ITO
National Certificate in Equine (Level 4) with strands in Breeding, Harness Racing, Sporthorse, and Thoroughbred Racing	0216	
National Certificate in Equine (Race Course Maintenance)	0367	
National Certificate in Equine (Racecourse Management)(Level 4)	0653	
National Certificate in Equine (Racing Stable Management)	0794	
National Certificate in Equine (Stable Practice) (Level 3) with strands in Harness Racing, Sporthorse, Thoroughbred Racing, and Track Riding	0654	
National Certificate in Furniture (Retail and Wholesale) (Level 2)	0437	NZ Furniture ITO
National Certificate in Furniture Making (Level 3)	0965	
National Certificate in Furniture Making (Level 4)	0091	
National Certificate in Motor Industry (Trailer Boat Systems Engineering) (Level 3)	0698	NZ Motor ITO
National Certificate in Sailmaking	0374	
National Certificate in Cablemaking (Level 3) with strands in Wiredrawing, Conductor Assembly, Extrusion, Cable Assembly, and Cable Testing	0738	Plastics and Materials Processing ITO
National Certificate in Engineering and Technology (Glass Containers) (Level 4)	0949	
National Certificate in Plastics Processing Technology (Level 3) with strands in Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch Blow Moulding, and Rotational Moulding	0395	
National Certificate in Printing - Graphic Communication (Level 4)	0817	Printing & Allied Industries Training
National Certificate in Administration of Revenue Law (Introduction) (Level 4)	0950	Public Sector Training Organisation
National Certificate in Public Sector Services (Client/Customer Services) (Level 3)	0659	
National Certificate in Public Sector Services (Client/Customer Services) (Level 4)	0660	
National Certificate in Public Sector Services (Prison Instruction) (Level 4)	1095	
National Certificate in Real Estate with strands in Business Sales, Commercial/Industrial Sales, Residential Sales, Rural Sales, Commercial/Industrial Property Management, and Residential Property Management	0101	Real Estate Institute of New Zealand
National Certificate in Community Recreation (Aquatics) (Level 3)	0937	Sports, Fitness and Recreation ITO
National Certificate in Community Recreation (Aquatics) (Level 4)	0938	
National Certificate in Community Recreation (Community Art Work) (Level 4)	0450	
National Certificate in Fitness (Level 4) with strands in Group Fitness Instruction, Individual Fitness Instruction, and Personal Training	0448	

Summary of main changes to standards' classification, titles, levels, and credits

The following table shows the changes made to the standards. All changes are in **bold**.

Subfield Computing
Domain Generic Computing

Id	Title	Level	Credit
2780	Operate and maintain a personal computer system Demonstrate and apply knowledge of a personal computer system	2	9
5946	Use computer technology to present a computing topic Use computer technology to present a topic	2	3
5948	Use computer technology to research and present a computing topic Use computer technology to research and present a topic	4	3
18734	Create a web homepage using a template Create a web page using a template	1	2
18736	Create simple webpages using a text editor to meet the specifications of a given brief Create a simple website using a text editor to meet the specifications of a given brief	2	4
18743	Produce and use a spreadsheet Produce a spreadsheet from instructions	1	1
18758	Use a browser to navigate the world wide web Demonstrate navigation skills using a browser	1	2