



NEW ZEALAND QUALIFICATIONS AUTHORITY  
 MANA TOHU MĀTAURANGA O AOTEAROA

# Framework Developments

January 2007

*Framework Developments* is a monthly news sheet listing the new, reviewed and expiring standards, qualifications and Accreditation and Moderation Action Plan documents registered on the Framework for the month.

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## QUALIFICATIONS

### New qualifications registered in January 2007

	Title	Level if not in title
1	National Certificate in Driving (VIP Chauffeur) [Ref: 1270]	3
2	National Certificate in Hospitality (Hotel Reservations) (Level 4) [Ref: 1273]	
3	National Certificate in Pacific Islands Early Childhood Education (Level 4) [Ref: 1269]	

	Title	Level if not in title
4	National Certificate in Social Services (Kaitautoko) (Level 5) [Ref: 1271]	
5	National Diploma in Sports Turf Management (Level 6) [Ref: 1272]	

## Qualification reviews and other changes

Copies of the review reports may be viewed on NZQA's website

<http://www.nzqa.govt.nz/framework/updates/summaries.do>

### QUALIFICATIONS REVISED - MAINTAINED, ROLLED OVER, SMALL CHANGES TO CONTENT

	Title	Level if not in title
1	National Certificate in Horticulture (Advanced) (Level 4) with strands in Amenity Horticulture, Fruit Production, Landscape, Nursery Production, Production Horticulture, and Viticulture [Ref: 1015]	
2	National Certificate in Horticulture (Arboriculture) with strands in Ground Worker, Consultant Climber, Transplant Worker, Basic Climber, Advanced Climber, and Utility Worker [Ref: 0896]	2,3, or 4 depending on strand
3	National Certificate in Horticulture (Introductory) (Level 2) [Ref: 1013]	
4	National Certificate in Horticulture (Level 4) with optional strands in Amenity Horticulture, Fruit Production, Landscape, Nursery Production, and Viticulture [Ref: 1014]	

### REPLACED AND EXPIRING QUALIFICATIONS

	Title	Level if not in title
1	National Certificate in Pacific Islands Early Childhood Education (Parent Helper) with strands in Cook Islands, Fiji, Niue, Samoa, and Tonga [Ref: 0636]	3-4
2	National Diploma in Sports Turf Management (Level 6) [Ref: 0204]	
3	National Diploma in Sports Turf Management (Level 7) [Ref: 0205]	

## Standards

### New and Reviewed standards registered in January 2007

New unit standards identified as version 1 in **Ver** column of table.

- Copies of registered unit standards are available from NZQA Sales and on NZQA's website <http://www.nzqa.govt.nz/framework/explore/index.do>
- Copies of reports may be viewed on NZQA's website <http://www.nzqa.govt.nz/framework/updates/summaries.do>

### AGRICULTURE, FORESTRY AND FISHERIES > AGRICULTURE > GENERAL AGRICULTURE

Id	Ver	Title	Level	Credits
23540	1	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	2	5
23541	1	Locate hazards, describe safety procedures, and demonstrate safe work practices in a rural workplace	2	5

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
23542	1	Identify factors, and describe how to manage factors, that contribute to injury in a rural workplace	3	4
23543	1	Describe compliance requirements, and develop a health and safety plan, for a rural workplace	4	6

**AGRICULTURE, FORESTRY AND FISHERIES > SEAFOOD > SEAFOOD GENERIC**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
23651	1	Provide an overview of the New Zealand seafood industry	4	5

**COMMUNITY AND SOCIAL SERVICES > DIVING > DIVING - GENERAL**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
23349	1	Administer supplemental oxygen at the surface to divers experiencing physiological problems	3	2

**ENGINEERING AND TECHNOLOGY > CIVIL PLANT OPERATION AND MANAGEMENT > CIVIL PLANT OPERATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
23289	1	Operate pump systems for dewatering in civil construction	3	4

**ENGINEERING AND TECHNOLOGY > CIVIL WORKS AND SERVICES > CIVIL CONSTRUCTION WORKS**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
23278	1	Demonstrate knowledge of and pre-check infrastructure pipes, fittings, structures, and materials	3	5
23279	1	Demonstrate knowledge of excavation for infrastructure pipelaying	3	5
23280	1	Establish line, level, and grade for infrastructure pipelaying	4	8
23281	1	Use and care for hand-held power tools used in civil construction	3	4
23282	1	Install pipes and their fittings for infrastructure pipelaying	3	40
23283	1	Open roads, excavate, backfill and compact, and prepare for surface reinstatement	3	10
23284	1	Install structures for infrastructure pipelaying	3	18
23285	1	Use and care for hand tools used for infrastructure pipelaying	3	3
23286	1	Operate a well-point system for civil construction	3	6
23287	1	Demonstrate knowledge of bypass pumping and alternatives, for infrastructure pipelaying	2	2
23288	1	Demonstrate knowledge of groundwater control for infrastructure pipelaying	3	2

**MANUFACTURING > PRINTING > DIGITAL PROCESSES FOR PRINT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17927	3	Draw imposition schemes and impose pages for printing	3	10
17928	3	Make plates for digital printing	3	8
20097	3	Produce black and white and colour printed documents using a digital copier	3	15
20099	2	Solve problems on customer supplied files for digital printing	4	40
23554	1	Demonstrate knowledge of safe working practices in a digital print environment	2	5
23556	1	Demonstrate knowledge of requirements for digital printing	3	15
23557	1	Demonstrate advanced industry knowledge for digital printing	4	15
23558	1	Create documents for digital printers using basic software	3	20

**PLANNING AND CONSTRUCTION > CONSTRUCTION TRADES > PROPRIETARY PLASTER CLADDING SYSTEMS**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17502	3	Demonstrate knowledge of Proprietary Plaster Cladding Systems trade tools	2	4
17503	3	Describe substrates, materials, fasteners and building terminology associated with Proprietary Plaster Cladding Systems	3	5
17511	3	Install and finish decorative exterior mouldings to Proprietary Plaster Cladding Systems on site	3	8
17513	3	Explain product knowledge and technical information for Proprietary Plaster Cladding Systems	4	10

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17514	3	Measure quantities, cost and quote for a Proprietary Plaster Cladding Systems job	4	10
22328	2	Check framing, set up, flash, measure, cut and fix fibre cement board for Proprietary Plaster Claddings on site	3	20
22329	2	Check and joint rebated fibre cement claddings with a proprietary plaster coating on site	4	20
22330	2	Check framing, set up, flash, measure, cut and fix polystyrene board for Proprietary Plaster Claddings on site	3	20
22331	2	Check, coat and reinforce polystyrene substrate to form a Proprietary Plaster Cladding System on site	3	20
22332	2	Describe and apply a proprietary levelling base plaster to a solid substrate on site	4	20
22333	2	Apply finishing coats to prepared Proprietary Plaster Cladding substrates on site	4	20
22334	2	Demonstrate knowledge of on site framing and substrate for Proprietary Plaster Cladding Systems	3	10
22335	2	Demonstrate knowledge of jointing, coating and reinforcing for Proprietary Plaster Cladding Systems	3	10
23533	1	Check, coat and reinforce fibre cement substrate to form a Proprietary Plaster Cladding System on site	3	20

**SERVICE SECTOR > RESOURCE RECOVERY > RESOURCE RECOVERY OPERATIONS**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
22608	1	Identify, sort, and store mixed items received at a resource recovery facility	3	6
22609	1	Identify and sort resources for recycling and recovery at a workplace	1	2
22611	1	Prepare a non-hazardous recoverable resource for transport	3	3
22612	1	Use industrial scales to weigh a bulk commodity in a resource recovery operation	2	2
22613	1	Stockpile bulk commodities for resource recovery using machinery	3	4
22614	1	Demonstrate knowledge of storage requirements for a non-hazardous recoverable resource	3	4
22615	1	Load a transport container with a recyclable or recoverable resource	3	5
22617	1	Supervise customer service and operations in a drop-off area at a resource recovery facility	4	10
22618	1	Produce information on separation at source for a resource recovery facility	3	3
22619	1	Operate a nonexport baler in a resource recovery operation	2	2
22620	1	Operate an export mill baler in a resource recovery operation	3	5
22621	1	Operate a sorting conveyor and sort items in a resource recovery operation	3	6
22623	1	Plan and manage the implementation of the promotion of a resource recovery facility	5	12
22624	1	Design the layout and components for a resource recovery facility	5	25
22625	1	Demonstrate knowledge of, and sort, construction and demolition materials for resource recovery	3	4
22626	1	Demonstrate knowledge of, and carry out, kerbside collecting for resource recovery	3	3
22627	1	Store non-hazardous commodities for resource recovery	3	4
22628	1	Manage a drop-off area at a resource recovery facility	5	20
22679	1	Explain pre design issues and discuss the design of a resource recovery facility and its components	5	15
22966	1	Communicate information on separation at source for a resource recovery facility	3	2
22967	1	Operate a mobile tyre shredder in a resource recovery operation	2	2

**SERVICE SECTOR > RESOURCE RECOVERY > RESOURCE RECOVERY THEORY**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
22631	1	Demonstrate basic knowledge of classifications for recoverable resources and residual waste	2	5
22632	1	Outline recovery options for recoverable resources	2	9
22633	1	Explain responsibilities for resource recovery	3	2
22634	1	Explain principles of organic resource recovery and recycling	3	5
22635	1	Explain the content of an environmental management plan for a resource recovery site	3	4
22636	1	Relate the principles of environmental sustainability to resource recovery	3	6
22637	1	Demonstrate knowledge of hygiene and health for working in a resource recovery or solid waste context	3	8
22638	1	Demonstrate knowledge of the New Zealand resource recovery industry	3	6
22639	1	Evaluate options and issues for managing recoverable resources	5	25
22640	1	Demonstrate knowledge of legislation, policies, and programmes relating to resource recovery	5	25
22641	1	Demonstrate knowledge of the recycling of inorganic resources	3	9
22642	1	Demonstrate knowledge of preparing non-hazardous recyclables for transport	3	5
22643	1	Explain market requirements for a recoverable resource	4	6
22644	1	Demonstrate knowledge of, and apply, the Solid Waste Analysis Protocol	5	15
22645	1	Research and discuss best practice for resource recovery and recycling	5	35
22646	1	Demonstrate knowledge of responsibilities, strategic drivers, and opportunities for resource recovery	5	25
22647	1	Research overseas resource recovery legislation, policy, and agreements and evaluate relevance to NZ	5	20

**SERVICE SECTOR > RESOURCE RECOVERY > SCRAP METAL RECYCLING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
22648	1	Demonstrate knowledge of health, safety, and environmental protection for scrap metal recycling	4	15
22649	1	Identify and separate ferrous metals for scrap metal recycling	2	5
22650	1	Identify and separate nonferrous metals received for processing at a scrap metal yard	2	12
22651	1	Process scrap metal using gas cutting equipment	3	5
22652	1	Sort material at a fragmentiser sorting station	3	4
22653	1	Operate a static baler for recycling scrap metal	3	4
22654	1	Stockpile commodities at a scrap metal recycling yard	2	5
22655	1	Respond to a spill incident at a scrap metal yard	2	4
22656	1	Weigh metals at a scrap metal yard	2	5
22657	1	Prepare to fill, and fill, an export container with scrap metal at a scrap metal yard	3	3
22658	1	Uplift and discharge scrap metal	4	10
22659	1	Prepare end-of-life motor vehicles for scrap metal recycling	2	3
22660	1	Process whiteware for scrap metal recycling	2	4
22661	1	Control a fragmentiser for scrap metal recycling	5	10
22662	1	Operate a grab at a scrap metal recycling yard	3	5
22663	1	Operate a lifting magnet at a scrap metal recycling yard	3	5
22664	1	Operate mobile shears for scrap metal recycling	3	15
22665	1	Operate a static shear for scrap metal recycling	3	4
22666	1	Operate an eddy current separator for scrap metal recycling	3	6
22667	1	Operate a cable stripper for scrap metal recycling	3	4
22668	1	Flatten end-of-life motor vehicles for scrap metal recycling	3	3
22669	1	Bale end-of-life motor vehicles and whiteware for scrap metal recycling	3	4
22670	1	Operate a granulator for processing scrap copper	3	4
22671	1	Demonstrate knowledge of the Secondhand Dealers and Pawnbrokers Act 2004 for scrap metal recycling	3	6
22672	1	Demonstrate knowledge of the scrap metal recycling industry	2	6

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
22673	1	Develop a layout plan for a scrap metal yard	5	15
22674	1	Recognise, classify, grade, value, and purchase nonferrous metals for scrap metal recycling	5	120

**SERVICE SECTOR > RESOURCE RECOVERY > ZERO WASTE**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
22675	1	Describe zero waste	2	2
22676	1	Apply zero waste principles in a workplace	2	4
22677	1	Discuss key concepts of zero waste theory and practice	3	10
22678	1	Plan and facilitate an event recycling programme based on zero waste principles	5	15
22680	1	Demonstrate knowledge of strategies for achieving zero waste	5	20
22681	1	Demonstrate knowledge of Māori and another culture's perspectives of waste	3	5
22682	1	Explain sustainability, resource efficiency, and cleaner production in relation to zero waste	5	15
22683	1	Demonstrate knowledge of resource efficiency and cleaner production initiatives	5	20
22684	1	Develop a programme for measuring and monitoring resource efficiency and cleaner production	5	30
22685	1	Analyse an industry process for the implementation of zero waste principles	5	35
22686	1	Analyse a community or institution for the implementation of zero waste principles	5	25
22687	1	Facilitate the zero waste component of a community project	5	25
22688	1	Research and advise on options for zero waste in households	4	30
22689	1	Apply knowledge of demographics and geography to the design of a zero waste service	5	12
22690	1	Plan, prepare, and implement a zero waste product development project	6	60
22691	1	Plan and implement a programme to support zero waste within a community	5	25
22692	1	Explain zero waste options and priorities in a specified industry	4	12
22693	1	Explain strategies for engaging industry partners in zero waste programmes	5	15
22694	1	Plan, organise, and lead a site visit for developing a zero waste partnering programme	5	6
22695	1	Explain the tailoring of zero waste programmes to meet the needs of an industry	5	4
22696	1	Advise on zero waste options for a commercial enterprise	5	25
22697	1	Advise on zero waste options for an industry	6	40

**Revised and Rolled Over standards in January 2007**
**AGRICULTURE, FORESTRY AND FISHERIES > SEAFOOD > SEAFOOD GENERIC**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
19517	2	Complete the unloading documentation on behalf of a Licensed Fish Receiver	3	5
19518	2	Produce transfer and sale documents for a Licensed Fish Receiver	3	8
19519	2	Produce a Licensed Fish Receiver Return	5	20
19520	2	Manage the Licensed Fish Receiver systems	6	30

**ARTS AND CRAFTS > MUSIC > MAKING MUSIC**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
10651	3	Demonstrate music performance skills through two pieces of contrasting style	1	8
10652	4	Demonstrate music performance skills before an audience through three pieces of contrasting style	2	8
10653	3	Demonstrate music performance skills before an audience through a selection of extended pieces	3	8

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
10654	3	Demonstrate music compositional skills through two short music compositions	1	6
10655	3	Demonstrate developing music compositional skills through three music compositions	2	6
10656	3	Demonstrate developed music compositional skills through two or three compositions of substance	3	8
10663	3	Arrange three music pieces for three or more instruments	3	5
10664	5	Conduct music to a rudimentary standard	4	5
10665	4	Improvise music to a rudimentary standard	4	5
10666	3	Demonstrate ability to be an effective performing member of a music performance group	1	3
16549	3	Demonstrate music performance skills by two pieces of contrasting style on a second instrument	1	8
16550	3	Demonstrate music performance skills before an audience by three pieces on a second instrument	2	8
16551	3	Demonstrate music performance skills before an audience by extended pieces on a second instrument	3	8
16553	3	Make a significant contribution to a music performance ensemble	3	10
20747	2	Perform music based on research of recorded compositions	2	10
20748	2	Research and perform music compositions with stylistic variety	4	20
20749	2	Demonstrate skills to improve musical performance through rehearsal	4	20

#### **ARTS AND CRAFTS > MUSIC > MUSIC STUDIES**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
10659	5	Demonstrate developed knowledge of music materials, and ability to read, write, and listen to music	3	5
10660	3	Describe and examine three music works of varying genre	1	5
10661	3	Describe and examine four music works, and explain evaluations of performances	2	5
10662	3	Describe, analyse, and compare six music works, and evaluate public music performances	3	5
12831	3	Demonstrate rudimentary knowledge of New Zealand music	1	3
12832	3	Demonstrate knowledge of New Zealand music industry	2	3
18815	2	Sight-read music to an elementary level	1	3
18816	2	Demonstrate aural recall skills to an elementary level	1	3
18817	2	Demonstrate knowledge of music through explanation of music materials	2	3
18818	2	Demonstrate developing musical aural recall and sight-reading skills	2	3
20750	2	Demonstrate knowledge and skills for self-management and use of resources for progressing in music	3	7

#### **COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > CANOEING - KAYAKING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20122	2	Demonstrate kayaking skills on Grade III whitewater	3	4
20123	2	Demonstrate canoeing and kayaking river rescue skills on Grade III whitewater	4	9
20125	2	Plan for and participate in a multi-day kayaking trip on Grade II whitewater	3	3
20126	2	Demonstrate independent kayaking skills on Grade II whitewater	3	6
20127	2	Demonstrate independent kayaking skills on Grade III whitewater	4	10
20820	2	Demonstrate canoeing skills on Grade II whitewater	3	8
20821	2	Demonstrate canoeing skills on Grade III whitewater	3	4

#### **COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > CAVING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20129	2	Demonstrate single rope technique (SRT) for caving	3	4
20130	2	Demonstrate a mid rope rescue using the same rope as that of the stranded person, for caving	4	2
20822	2	Rig and operate handlines, ladders, and belay systems with safety in caves	3	5

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20823	2	Operate vertical rope rescue systems for caving	4	4
21628	2	Instruct employees in cave guiding skills for a specific site	4	15

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > CYCLE TOURING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20134	2	Instruct in skills for cycle touring	4	6
20135	2	Plan for, participate in and evaluate a self-sufficient cycle tour	3	10

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > MOUNTAIN BIKING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20136	2	Instruct in skills for mountain bike riding on intermediate to expert terrain	4	6
20817	2	Plan for, participate in, and evaluate mountain bike rides on intermediate to expert terrain	3	3

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > MOUNTAIN CRAFT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
439	7	Demonstrate overnight expedition skills in a mountain environment	3	8
20139	2	Apply technical mountain craft techniques on multi-day expeditions on glaciated terrain	4	20
20140	2	Demonstrate technical mountain craft skills	4	20

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > ORIENTEERING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
5476	4	Set orange and red grade orienteering courses	4	4
5477	4	Set white and yellow grade orienteering courses	3	2
5478	4	Collect fieldwork data enabling preparation of a five colour orienteering map to IOF standards	4	20
5481	4	Produce an orienteering map for white and yellow grade orienteering courses	3	2
5482	4	Complete red grade orienteering courses	3	2
5483	4	Complete orange grade orienteering courses	3	1

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > OUTDOOR FIRST AID**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
424	7	Respond to an emergency care situation for an outdoor activity	3	5

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > OUTDOOR MANAGEMENT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
455	6	Develop a personal and professional philosophy for the outdoors	4	1
20142	2	Assist with leadership of an outdoor activity	4	3
20143	2	Demonstrate basic knowledge of theories associated with instructing and guiding in the outdoors	3	3
20144	2	Demonstrate knowledge of theories and processes associated with guiding in the outdoors	4	4
20145	2	Demonstrate knowledge of theories and processes associated with instructing in the outdoors	4	4
20146	2	Demonstrate basic risk management for outdoor recreation	3	3
20147	2	Demonstrate communication skills required for the outdoors	3	3
22781	2	Demonstrate knowledge of, and apply safety intervention techniques for river safety activities	4	4

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > OUTDOOR NAVIGATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
432	7	Navigate in poor visibility on land	4	5

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > RAFTING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
21282	2	Demonstrate basic raft guiding skills on Grade II whitewater	3	8
21283	2	Demonstrate technical raft guiding skills on Grade III or above whitewater	4	10
21284	2	Demonstrate client care and crew control as a Raft Guide on Grade III or above whitewater	4	15

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > ROCK CLIMBING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
447	8	Demonstrate lead climbing skills on multi-pitch rock climbs	4	12
5475	5	Demonstrate climbing on an A2 level aid rock climb	4	3
20149	3	Demonstrate lead climbing on bolted rock climbs	3	3
20150	3	Demonstrate rock climbing skills on natural rock	3	5
20151	3	Demonstrate skills with ropes, knots, anchors, and belays for rock climbing and abseiling	3	10
20155	3	Demonstrate knowledge of anchor systems and belaying for lead climbing on bolted natural rock climbs	3	2
20156	3	Demonstrate lead climbing on single-pitch rock climbing routes using natural and placed protection	4	5

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > TRAMPING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
427	7	Cross rivers	3	2
428	7	Demonstrate on-track tramping skills for multi-night tramping	3	14
430	7	Demonstrate bush survival skills	3	3
20816	2	Demonstrate off track tramping skills for multi-night tramping	4	16

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > WEATHER INTERPRETATION IN THE OUTDOORS**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20160	2	Demonstrate knowledge of weather processes and their effects on outdoor recreation in New Zealand	3	2
20161	2	Analyse weather information and predict weather conditions for the outdoors	4	3

**COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > WINDSURFING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
461	7	Demonstrate windsurfing techniques on a longboard	3	4
462	7	Demonstrate shortboard sailing techniques	3	5
463	7	Demonstrate slalom windsurfing techniques	4	4
464	7	Demonstrate wave-sailing techniques on a shortboard	4	10
5473	4	Make advanced windsurf repairs	4	16
5474	4	Make basic windsurf repairs	3	16

**EDUCATION > SPECIAL EDUCATION > ASSESSMENT AND PROGRAMMING IN SPECIAL EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7310	3	Implement programmes to develop reading skills	4	4

**EDUCATION > SPECIAL EDUCATION > PHYSICAL NEEDS IN SPECIAL EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7289	3	Assist young people to increase physical function through positioning and mobility	3	4

**EDUCATION > SPECIAL EDUCATION > PROFESSIONAL PRACTICE IN SPECIAL EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
9143	3	Describe and support a collaborative consultative team approach for young people with special needs	4	3

**ENGINEERING AND TECHNOLOGY > ELECTRICAL ENGINEERING > CORE ELECTRICAL**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
15849	4	Perform manual soldering and de-soldering procedures for electrotechnology work	2	2

**ENGINEERING AND TECHNOLOGY > PAVEMENT SURFACING > BITUMEN SURFACING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20456	2	Demonstrate first aid relating to liquid bitumen and bitumen additives	2	1

**LAW AND SECURITY > BIOSECURITY > BORDER QUARANTINE**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16819	3	Demonstrate knowledge of global biosecurity awareness and the New Zealand response	4	5
16820	4	Demonstrate knowledge of plants and plant products for biosecurity purposes	4	8
16829	3	Identify and action biosecurity risks and requirements for imports entering by overseas mail	6	12
19222	2	Demonstrate knowledge of working environments for overseas vessels	3	4
19223	2	Demonstrate knowledge of working environments for imported cargo and conveyances	3	4
19224	2	Demonstrate knowledge of working environments for international mail	3	4

**MANUFACTURING > DAIRY MANUFACTURING > DAIRY - GENERIC**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
19967	2	Apply mathematical concepts in the dairy industry	2	4
19969	2	Manage personal work priorities and professional competence in the dairy industry	4	4
19971	2	Monitor the implementation of a quality system in the dairy industry	4	4
19978	2	Calculate and present statistical data in the dairy industry	4	5
19993	2	Measure and calculate routine workplace data in the dairy industry	3	5
20015	2	Plan to meet work requirements in the dairy industry	3	5
20016	2	Use information technology devices in a dairy workplace	3	3
20174	2	Communicate in the workplace in the dairy industry	2	3

**MANUFACTURING > DAIRY MANUFACTURING > DAIRY ENVIRONMENTAL MANAGEMENT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16317	3	Control, isolate and contain emissions and spillages in the dairy industry	4	6
17615	3	Control the disposal of process chemicals in the dairy industry	3	4
17616	3	Dispose of waste materials in the dairy industry	3	6
19973	2	Monitor the implementation of an environmental programme in the dairy industry	4	6
19987	2	Implement environmental procedures in the dairy industry	3	5
20012	2	Operate pumping equipment in the dairy industry	3	5
20014	2	Carry out a waste treatment process in the dairy industry	3	8
20175	2	Demonstrate environmental audit techniques in the dairy industry	3	7

**MANUFACTURING > DAIRY MANUFACTURING > DAIRY LABORATORY METHODOLOGY**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
4309	4	Apply laboratory fundamentals in the New Zealand dairy industry laboratory	3	3
4310	4	Apply quality systems in the New Zealand dairy industry laboratory	3	2
4311	4	Apply microbiological fundamentals in the New Zealand dairy industry laboratory	3	6
4312	4	Apply chemistry fundamentals in the New Zealand dairy industry laboratory	3	5
4313	4	Operate rapid analytical instruments in the New Zealand dairy industry laboratory	3	4

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
8963	4	Apply the principles of rationalised testing in the New Zealand dairy industry	4	6
8966	4	Explain waste water measurement and yield monitoring in the New Zealand dairy industry	4	6
8970	4	Evaluate the performance of microbiological media used in the New Zealand dairy industry	4	4
8971	4	Explain the chemical structures and the chemical reactions that can occur in milk	4	4
8972	4	Perform reference testing of the main milk components for calibration of testing instruments	4	10
8973	4	Apply rapid analytical methods for chemical analyses in a New Zealand dairy industry laboratory	4	10
17620	3	Explain basic principles of chromatography and applications of HPLC techniques in the dairy industry	4	6
19977	2	Apply sampling techniques in the dairy industry	3	4

#### **MANUFACTURING > DAIRY MANUFACTURING > DAIRY PEOPLE SKILLS**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16314	4	Explain employee relations policy and practice in the dairy industry	4	5
16315	4	Develop and implement recruitment and selection plans in the dairy industry	4	8
19336	3	Prepare and present one to one on-job instruction in a dairy industry workplace	4	6
19965	2	Analyse and convey workplace information in the dairy industry	4	8
19980	2	Collect, present and apply workplace information in the dairy industry	2	4
20170	2	Participate in teams in the dairy industry	3	4
20171	2	Work in a team to achieve designated tasks in the dairy industry	2	4

#### **MANUFACTURING > DAIRY MANUFACTURING > DAIRY PROCESSING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
19974	2	Operate a dairy processing system	4	8
19982	2	Pack product manually in the dairy industry	2	4
19992	2	Locate company products and dairy processing processes	2	4
19994	2	Carry out a forming and filling process in the dairy industry	3	5

#### **MANUFACTURING > DAIRY MANUFACTURING > DAIRY PRODUCT SAFETY AND RISK MANAGEMENT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
8969	4	Apply the principles of pathogen management in the New Zealand dairy industry	4	6
16302	3	Explain the prevention and control of foreign matter contamination of dairy products	4	4
18405	3	Comply with a product safety programme in the dairy industry	3	4
18406	3	Explain the workplace application of a product safety programme in the dairy industry	3	10
19970	2	Monitor the implementation of product safety procedures in the dairy industry	4	5

#### **MANUFACTURING > DAIRY MANUFACTURING > DAIRY QUALITY AND PROCESS IMPROVEMENT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
19986	2	Implement a quality system for a work area in the dairy industry	3	4

#### **MANUFACTURING > DAIRY MANUFACTURING > DAIRY SUPPLY CHAIN**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17598	3	Load transport containers in the dairy industry	3	5
19991	2	Load and unload goods in the dairy industry	3	6

**MANUFACTURING > DAIRY MANUFACTURING > DAIRY TECHNOLOGY**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17597	3	Identify characteristics of processed cheese manufacture in the New Zealand dairy industry	3	4
17614	3	Carry out a dairy product colouring and/or flavouring process	3	5
17618	3	Carry out a fermentation process in the dairy industry	3	8
17619	3	Explain the efficient crystallisation, decanting, washing and filtration of a-lactose monohydrate	4	24
17621	3	Explain the general principles of centrifugal separation and clarification in the dairy industry	4	6
17622	3	Explain key quality parameters and process variables for a specialty spray dried dairy product	4	30

**MANUFACTURING > DAIRY MANUFACTURING > DAIRY WORKPLACE HEALTH AND SAFETY**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16305	3	Apply hazard identification and control procedures in the dairy industry	3	4
16306	3	Identify accident and incident control procedures in the dairy industry	4	6
16307	3	Identify and manage the effects of shift work in the dairy industry	3	3
16308	3	Use permit to work procedures in the dairy industry	3	6
16310	3	Regulate and audit permit to work systems in the dairy industry	4	5
16316	3	Explain safe work practices for working at heights within the dairy industry	3	3
16685	3	Develop a personal stress management plan for dairy industry employees	3	4
19972	2	Monitor the implementation of occupational health and safety in the dairy industry	4	5
19976	2	Apply safe work procedures in the dairy industry	2	4
19989	2	Implement occupational safety and health principles and procedures in the dairy industry	3	4

**MANUFACTURING > PRINTING > PRINTING PRODUCTION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
2281	6	Demonstrate knowledge of the printing industry	2	7

**MANUFACTURING > WOOD FIBRE MANUFACTURING > TISSUE CONVERTING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16571	4	Changeover control systems on a diaper machine	3	4
16572	4	Changeover finishing systems on a diaper machine	3	7
16573	4	Changeover a wrapper system for tissue products	3	7
16574	4	Changeover a bundler system for tissue products	3	5
16575	4	Changeover a packaging system for disposable and tissue products	3	7
16576	4	Changeover the tube wrapping machine for disposable and tissue products	4	5
16577	4	Changeover a cube wrapping system for disposable and tissue products	4	7
16578	4	Run a reel to folded sheet converting machine producing non-woven napkins, bibs and hygiene products	2	4
16579	4	Changeover a reel to folded sheet converting machine producing disposable and tissue products	3	5
16580	4	Changeover an automated high speed reel to folded sheet converting system	4	10
16581	4	Changeover a rewinder tissue converting system	3	6
16582	4	Changeover a tissue log saw	3	5
16583	4	Set up decorator unit and perform single colour decorations on crepe tissue	3	10
16584	4	Run multi colour decorations on crepe tissue	4	10
16585	4	Inspect diaper quality	3	5
16587	4	Operate a diaper machine	5	10
16588	4	Operate a diaper machine with technical assistance	4	10
16589	4	Operate a diaper machine under supervision	3	15
16590	4	Operate a bundler system for disposable and tissue products	2	4
16591	4	Operate a wrapper system for disposable and tissue products	2	6

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
16592	4	Operate a diaper bagging system	2	4
16593	3	Operate a tube wrapping machine for disposable and tissue products	3	6
16594	3	Operate a reel to folded sheet converting machine producing disposable and tissue products	2	6
16595	3	Operate an automated high speed reel to folded sheet converting system	4	10
16596	3	Operate a rewinder tissue converting system	4	15
16597	3	Run a reel to spiral wind converting machine producing cores	2	4
16598	3	Pack disposable and tissue products	2	2
16602	3	Run a machine for baling disposable and tissue products	2	3
16603	3	Run an incontinence sheet machine	2	4
16604	3	Run a packaging machine for disposable and tissue products	2	4
16665	3	Run and changeover a reel to reel converting machine producing paper products	2	5
16666	3	Changeover a reel to spiral wind converting machine producing cores	3	2
16763	3	Operate a cube wrapping system for disposable and tissue products	3	6
20439	2	Operate a Print and Apply Label Applicator system for disposable and tissue products	2	4
20440	2	Select, load and maintain raw material supplies for diaper manufacture	3	5

#### **SERVICE SECTOR > HOSPITALITY > FOOD AND BEVERAGE SERVICE**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
18497	3	Demonstrate knowledge of culinary products and terms	3	4

### **Expiring standards in January 2007**

#### **AGRICULTURE, FORESTRY AND FISHERIES > AGRICULTURE > AGRIBUSINESS MANAGEMENT**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11852	4	Identify farm hazards, develop a plan to eliminate, isolate or minimise, and record hazards	5	3

#### **AGRICULTURE, FORESTRY AND FISHERIES > AGRICULTURE > GENERAL AGRICULTURE**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
14489	3	Demonstrate knowledge of injury factors and the consequences of injury to individuals on farms	2	3
14490	3	Demonstrate knowledge of strategies for preventing injury on farms	2	3
14491	3	Apply and assess strategies for reducing risk and preventing injury on farms	3	5
18425	2	Demonstrate knowledge of hazard identification and control procedures in the agriculture industry	2	5

#### **EDUCATION > SPECIAL EDUCATION > ASSESSMENT AND PROGRAMMING IN SPECIAL EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7294	3	Evaluate theoretical models used in special education	6	4
7295	3	Assess special learning needs for young people in education settings	7	6
7296	3	Assess within the framework of an ecological model for working with young people with special needs	7	7
7297	3	Identify, screen and assess infants, toddlers, and young children with learning needs	7	10
7298	3	Develop and implement individual learning plans for young people with special needs	5	5
7300	3	Facilitate the inclusion of young people with special needs in regular education settings	5	5
7301	3	Adapt the delivery and resources of the curriculum for young people with special needs	6	7
7303	3	Develop and implement individual early intervention programmes	7	10
7305	3	Develop and implement programmes for young people with complex and interrelated needs	7	7

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7306	3	Implement programmes for young people with complex and interrelated needs	5	5
7307	3	Develop and implement programmes for young people with difficulties in motor skills	6	5
7308	3	Assist young people with difficulties in functional communication in education settings	5	3
7309	3	Develop and implement programmes for young people with oral language difficulties	6	5
7311	3	Develop and implement programmes for young people with special needs in life skills	6	4
7312	3	Develop and implement vocational programmes for adolescents with special learning needs	6	5
7313	3	Develop use of assistive technology for young people with special education needs	7	6
7314	3	Use assistive technology for young people with special learning needs in education settings	5	3
9145	3	Develop and implement strategies to facilitate individual learning for young people with special needs	6	5
9146	3	Develop and implement programmes for young people with special needs in reading	7	10
9147	3	Develop and implement programmes for young people with special needs in mathematics	7	5
14537	3	Demonstrate knowledge of inclusion and assist in the implementation of an individual education plan	5	10
14871	3	Demonstrate knowledge of inclusion and assist to implement an individual development plan	5	10

**EDUCATION > SPECIAL EDUCATION > BEHAVIOUR ASSESSMENT AND INTERVENTION IN SPECIAL EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7273	3	Evaluate theoretical models in relation to behaviour change with young people in education settings	6	7
7274	3	Appraise ethical issues for professional practice in carrying out behaviour change with young people	5	3
7276	3	Develop and implement behaviour change programmes for young people in school settings	7	8
7277	3	Develop and implement behaviour change programmes for young people in home settings	7	8
7278	3	Develop and implement behaviour change programmes in early childhood education settings	7	8
7279	3	Develop behaviour change for self injurious, stereotypic, and other excess behaviour in young people	8	8
7280	3	Counsel young people with special education needs, to support behaviour change	5	3
7281	3	Develop and implement programmes to assist with self management of behaviour in education settings	6	3
14872	3	Demonstrate knowledge of and implement behaviour change programmes in ECE settings	5	3

**EDUCATION > SPECIAL EDUCATION > CONDUCTIVE EDUCATION**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
9338	3	Demonstrate knowledge of conductive education, and conductive education in New Zealand	4	10
9339	3	Assist the conductor during the conductive education programme	4	60
9340	3	Assist the conductor to prepare conductive education programmes	4	8
9341	3	Demonstrate knowledge of the way conductive education works to establish orthofunction	4	10
9342	3	Assist clients with self-care in conductive education	4	10
9343	3	Develop a plan for personal support networks as a conductive education assistant	3	3

<b>EDUCATION &gt; SPECIAL EDUCATION &gt; DEAF AND HEARING IMPAIRMENT IN SPECIAL EDUCATION</b>				
<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7338	3	Describe hearing loss in young people and variables that may affect their learning and development	6	6
7339	3	Describe history and current approaches to education of young people who are deaf or hearing impaired	7	7
7340	3	Relate knowledge of Deaf community and Deaf culture in New Zealand	6	6
7341	3	Work in a bilingual learning environment with young people who are deaf	6	5
7342	3	Support the inclusion of young people who are deaf or hearing impaired in regular education settings	5	5
7343	3	Evaluate the advisory role with families and educators of young people who are deaf or hearing impaired	7	6
7344	3	Appraise communication systems for young people who are deaf or hearing impaired	7	6
7345	3	Demonstrate knowledge of linguistic principles of New Zealand Sign Language	6	6
7346	3	Assess and develop the English language of young people who are deaf or hearing impaired	6	6
7347	3	Assess and develop skills in New Zealand Sign Language with young people who are deaf	6	6
7348	3	Assess and develop auditory function of young people who are deaf or hearing impaired	6	6
7349	3	Screen visual function of infants and young children who are deaf	6	4
7350	3	Evaluate audiological developments and administer audiological assessments for young people	7	8
7351	3	Develop speech skills in education settings for young people who are deaf or hearing impaired	6	5
7352	3	Develop and implement programmes in reading for young people who are deaf or hearing impaired	6	6
7353	3	Develop and implement programmes in written language for young people who are deaf	6	5
7354	3	Manage assistive devices for young people who are deaf or hearing impaired	5	3
7356	3	Assist with implementing education programmes for young people who are deaf or hearing impaired	4	3
7357	3	Provide language assistance in education settings, to young people who are deaf	4	4
7358	3	Teach young people who are deaf or hearing impaired in regular settings	6	5

<b>EDUCATION &gt; SPECIAL EDUCATION &gt; PHYSICAL NEEDS IN SPECIAL EDUCATION</b>				
<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
7283	3	Demonstrate knowledge of young people with physical difficulty	6	3
7284	3	Develop and implement programmes in personal care for young people with special needs	6	5
7285	3	Develop and implement programmes for young people with special needs in eating and drinking	6	4
7286	3	Develop and implement programmes to assist young people meet their needs in toilet care	6	3
7288	3	Develop and implement programmes to increase physical function through positioning and mobility	6	4
7290	3	Develop and implement programmes for young people with high support needs	7	8
7291	3	Demonstrate knowledge of procedures in education settings for young people with special health needs	6	3
7292	3	Demonstrate knowledge of procedures for addressing abuse and neglect of young people	6	3
7293	3	Support the education of young people with serious illness	6	4

<b>EDUCATION &gt; SPECIAL EDUCATION &gt; PROFESSIONAL PRACTICE IN SPECIAL EDUCATION</b>				
<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
9134	3	Review history, current provisions, approaches and issues in special education	7	10
9136	3	Describe prenatal and early childhood development and factors which may affect development	6	10
9137	3	Demonstrate knowledge of child and adolescent development of young people with special needs	6	8
9138	3	Describe history and appraise theories, current research, and issues in early intervention practice	6	6
9139	4	Describe legal rights and advocate for young people with special education needs and their families	6	4
9140	3	Establish relationships with young people with special education needs and their families	6	6
9141	3	Develop a collaborative consultative approach in special education	7	10
9142	3	Describe and demonstrate the itinerant teaching role in special education	6	3
11694	3	Demonstrate supervision skills within special education	7	4

<b>EDUCATION &gt; SPECIAL EDUCATION &gt; VISION IMPAIRMENT IN SPECIAL EDUCATION</b>				
<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
8568	3	Review history, theories, practices, and issues in education of young people with vision impairment	7	7
8569	3	Describe vision impairment and the use of functional vision in young people	6	6
8570	3	Describe the possible effects of vision impairment on young people's learning and development	7	7
8571	3	Carry out an assessment for a young person with vision impairment	7	7
8572	3	Develop the use of residual vision and other senses with young people in education settings	7	4
8573	3	Develop and implement education programmes for young people who are deaf-blind	7	6
8574	3	Communicate with young people who are deaf-blind	6	6
8575	3	Facilitate concept development for young people with vision impairment	7	4
8577	3	Read and write Braille for working with young people with vision impairment	7	15
8578	3	Read and write Nemeth and adapt programmes in numeracy for young people who use Braille	7	15
8579	3	Develop and implement programmes in music for young people who use Braille	7	20
8580	3	Use technological aids and resources to support education of young people with vision impairment	6	6
8581	3	Teach reading and writing of Braille to young people with vision impairment	7	7
8582	3	Describe and implement programmes in sexuality education for young people who have vision impairment	6	3
8583	3	Develop social and recreation skills with young people who have vision impairment	6	6
8585	3	Assist with implementing education programmes for young people who are vision impaired	4	5
8586	3	Teach young people with vision impairment in regular education settings	6	6

<b>ENGINEERING AND TECHNOLOGY &gt; PETROCHEMICAL INDUSTRY &gt; OIL AND GAS DRILLING RIG PREPARATION AND ASSEMBLY (EXPIRING)</b>				
<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11159	3	Interpret and use drilling maps, plans, and documentation	4	5
11168	3	Conduct, and report results of, on site drilling rig inspections and hazard identification	4	5
11169	3	Plan, prepare, and document the loading, transportation, and unloading of a drilling rig	4	1

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11170	3	Assist with the planning and preparation for the loading, transport, and unloading of a drilling rig	2	1
11171	3	Supervise the loading, transport, and unloading of a drilling rig	3	1
11172	3	Assist with the loading, transport, and unloading of a drilling rig	2	1
11173	3	Plan, and prepare the assembly, and disassembly of a drilling rig	4	2
11174	3	Assist with the planning and preparation for the assembly, and disassembly, of a drilling rig	2	2
11175	3	Supervise the assembly, and disassembly, of a drilling rig	4	2
11176	3	Assist with the assembly, and disassembly, of a drilling rig	2	2

**ENGINEERING AND TECHNOLOGY > PETROCHEMICAL INDUSTRY > OIL AND GAS ONSHORE AND OFFSHORE DRILLING SAFETY (EXPIRING)**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11160	3	Prepare, deliver, and assess rig site safety inductions for a drilling rig	4	20
11161	3	Conduct and report on a pre spud inspection for a drilling rig	4	5
11162	3	Identify, and demonstrate response to, drilling rig hazard, evacuation, and gas detection alarms	2	1
11163	3	Interpret, implement, and report on use of spill contingency plans on a drilling rig	4	2
11164	3	Demonstrate knowledge of, and use, tagout and lockout procedures on a drilling rig site	3	1
11165	3	Produce, implement, and monitor tag out and lock out procedures for a drilling rig site	5	5
11166	3	Explain and demonstrate evacuation procedures on a drilling rig	2	1
11177	3	Hang off drill string in well head before extreme weather on an offshore drilling rig	4	10
11178	3	Carry out and participate in gas emergency and collision drills on an offshore drilling rig	2	1
11179	3	Carry out and participate in man overboard drills	2	1
11180	3	Carry out and participate in rig abandonment drills	2	1
11181	3	Assist with the management and control of critical situations on an offshore drilling rig	3	3
11182	3	Carry out and participate in hydrogen sulphide (H <sub>2</sub> S) emergency drills on an offshore drilling rig	2	1
11183	3	Carry out and participate in pit and blow out drills on an offshore drilling rig	2	1
11184	3	Carry out and participate in fire drills on an offshore drilling rig	2	1
11185	3	Explain emergency response plans and procedures in an offshore drilling environment	4	1

**ENGINEERING AND TECHNOLOGY > PETROCHEMICAL INDUSTRY > OIL AND GAS WELL DRILLING (EXPIRING)**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11186	3	Demonstrate knowledge of, and appraise cuttings from, mud screens for impact on drilling operations	3	2
11187	3	Demonstrate knowledge of different types of well drilling and related major safety hazards	2	2
11188	3	Implement, manage, identify deviations, and report on use of a well drilling plan on a drilling rig	4	2
11189	3	Explain, operate, and troubleshoot generators and electrical equipment on a drilling rig	4	20
11190	3	Demonstrate knowledge of electrical power conversion on a drilling rig	4	20
11191	3	Demonstrate knowledge of different types of drilling fluid on a drilling rig	3	5
11192	3	Identify, handle, and troubleshoot drill strings and drill collars on a drilling rig	2	2
11193	3	Identify, operate, and troubleshoot hoisting system equipment on a drilling rig	3	5
11194	3	Explain, operate, and troubleshoot draw works equipment on a drilling rig	3	5
11195	3	Identify, control, kill, and report on kicks occurring during drilling of a well	4	12
11196	3	Identify, perform, and troubleshoot drill floor support tasks on a drilling rig	2	2

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11197	3	Assist in handling choke, kill lines, riser tensioners, and slip jointing diverter on a drilling rig	2	2
11198	3	Inspect, identify and perform routine maintenance of derrick equipment on a drilling rig	2	1
11199	3	Explain, operate, and troubleshoot spinning and torquing equipment on a drilling rig	2	1
11200	3	Explain, operate, and troubleshoot rotary kelly and swivel equipment on a drilling rig	2	1
11201	3	Explain, operate, and troubleshoot drill pipe slips on a drilling rig	2	1
11202	3	Demonstrate knowledge of bits and bit selection in relation to ground formation on a drilling rig	3	3
11203	3	Demonstrate knowledge of the operation and theory behind weight on bit and bit hydraulics on a drilling rig	3	1
11204	3	Select rotary speed for drilling formations on a drilling rig	3	2
11205	3	Demonstrate knowledge of the effect of altering drilling parameters on penetration on a drilling rig	3	2
11206	3	Prepare for, and undertake, analytical calculations for drilling on a drilling rig	4	6
11207	3	Explain different formation properties encountered during a drilling operation on a drilling rig	3	3
11208	3	Explain causes of drag, stress, and torque on a drill string in a well on a drilling rig	3	3
11209	3	Explain cause, reason, effect of, and steps to avoid stress on a drill bit on a drilling rig	3	3
11210	3	Demonstrate knowledge of casing and cementing on a drilling rig	3	3
11211	3	Identify, operate, monitor, and troubleshoot transmission equipment on a drilling rig	3	1
11212	3	Identify, operate, monitor, and troubleshoot internal combustion engines on a drilling rig	3	1
11213	3	Identify, operate, monitor and troubleshoot heat exchangers on a drilling rig	3	1
11214	3	Identify, operate, maintain, and troubleshoot hoisting auxiliary equipment on a drilling rig	3	3
11215	3	Identify, operate, and troubleshoot a drilling console on a drilling rig	3	2
11216	3	Assist with down hole deviation measurement while drilling on a drilling rig	2	1
11217	3	Identify, and assist with the operation and servicing of drill floor equipment on a drilling rig	2	1
11218	3	Explain principles of, and assist with, inclinometer measurement survey for directional drilling	2	1
11219	3	Identify, operate, and monitor mechanical air operated equipment on a drilling rig	2	1
11220	3	Identify, operate, monitor, and troubleshoot top drive drilling equipment on a drilling rig	3	2
11221	3	Identify, operate, monitor, and troubleshoot rotary drive drilling equipment on a drilling rig	3	1
11222	3	Demonstrate knowledge of mud system hydraulics and calculations on a drilling rig	3	3
11223	3	Identify, operate, and monitor hydraulic equipment on a drilling rig	3	3
11224	3	Demonstrate knowledge of downhole problems on a drilling rig	3	10

**ENGINEERING AND TECHNOLOGY > PETROCHEMICAL INDUSTRY > OIL AND GAS WELL DRILLING SUPPORT  
(EXPIRING)**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11167	3	Prepare, carry out, and report on laboratory tests on mud in a drilling environment	2	1
11225	3	Demonstrate knowledge of the principles and procedures to jack up an offshore drilling rig	3	3
11226	3	Slacken and monitor lee anchors in extreme weather on an offshore drilling rig	3	1

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11227	3	Laydown, secure, and monitor cranes on an offshore drilling rig	2	1
11228	3	Assist with the preparation for, transport, and relocation of an offshore drilling rig	2	1
11229	3	Prepare, secure, and monitor equipment on an offshore drilling rig in preparation for relocation	2	1
11230	3	Demonstrate knowledge of submersible offshore drilling units	3	3
11231	3	Demonstrate knowledge of jack up offshore drilling units	3	2
11232	3	Demonstrate knowledge of semi submersible offshore drilling units	3	3
11233	3	Demonstrate knowledge of operating shipshape drilling units	3	3
11234	3	Demonstrate knowledge of the operation of mooring systems on an offshore drilling rig	3	3
11235	3	Operate, monitor and maintain subsea blowout preventers and risers on an offshore drilling rig	4	10
11236	3	Demonstrate knowledge of subsea blowout preventers and marine risers on an offshore drilling rig	3	3
11237	3	Prepare, perform, and shut down helicopter refueling operations on an offshore drilling rig	2	2
11238	3	Identify, explain, and prepare land based drilling rig blow out prevention equipment for installation	2	2
11239	3	Prepare wellhead for blow out prevention equipment installation on a land based drilling rig	2	2
11240	3	Identify, explain, and install blowout prevention equipment on a land based rig	2	2
11241	3	Identify, explain, monitor, and operate blowout prevention equipment on a drilling rig	3	1
11242	3	Assist in the preparation and installation of blowout prevention equipment on a drilling rig	2	1
11243	3	Identify, prepare, check, and tally oil well casing tubulars for use on a drilling rig	2	1
11244	3	Assist with the set up and installation of cementing equipment for use on a drilling rig	2	1
11245	3	Prepare and run casing down the well hole for cementing on a drilling rig	2	1
11246	3	Calculate down hole cement requirements on a drilling rig	3	2
11247	3	Troubleshoot and rectify faults on casing and cementing on a drilling rig	4	3
11248	3	Demonstrate knowledge of cementing principles and equipment on a drilling rig	3	2
11249	3	Prepare and mix cement additives for oil or gas well drilling operations	2	1
11250	3	Identify, explain, operate, and monitor cementing equipment on a drilling rig	3	2
11251	3	Demonstrate knowledge of cementing and casing accessories on a drilling rig	3	2
11252	3	Demonstrate knowledge of the application of casing handling equipment on a drilling rig	2	2
11253	3	Identify, operate, maintain, and troubleshoot mud system equipment on a drilling rig	2	2
11254	3	Prepare and sample drilling fluids on a drilling rig	2	1
11255	3	Monitor pit levels and mud properties to determine down hole conditions for drilling rig operations	2	2
11256	3	Demonstrate knowledge of the theory behind well control on a drilling rig	3	10
11257	3	Demonstrate knowledge of mud based drilling fluids and additives on a drilling rig	3	5
11258	3	Assist with the making up and sampling of drilling mud on a drilling rig mud system	2	1
11259	3	Identify, explain, and assist with the operation of mud system equipment on a drilling rig	2	1
11260	3	Install, monitor, operate, and troubleshoot slickline wire line tools on a drilling rig	3	2
11261	3	Demonstrate knowledge of wireline operations on a drilling rig	3	4

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
11262	3	Install and troubleshoot completion products with a wireline on a drilling rig	3	10
11263	3	Identify, maintain, and operate logging pressure control equipment on a drilling rig	3	3
11264	3	Assist with the operation of electric wireline measurement tools on a drilling rig	2	1
11265	3	Assist with wireline perforation on a drilling rig	2	1
11266	3	Assist with the installation of packers, plugs, and retainers with a logging line on a drilling rig	2	1
11267	3	Transport explosives and firing mechanisms for drilling operations	3	1
11268	3	Handle explosives and firing mechanisms for drilling operations	4	2
11269	3	Transport radioactive sources for drilling operations	3	1
11270	3	Assist with handling radioactive sources on a drilling rig	2	1
11271	3	Prepare for a fishing job on a drilling rig	3	4
11272	3	Use different types of fishing tools on a drilling rig	3	4
11273	3	Assist with the use of different types of fishing tools on a drilling rig	2	1
11274	3	Understand pressure testing tasks during drilling testing and completion	3	2
11275	3	Install a Christmas tree to the well head on a drilling operation	3	2
11276	3	Prepare for, and supervise completion and production testing on a drilling rig	4	10
11277	3	Assist with well stimulation and enhancement operations on a drilling rig	2	1
11278	3	Demonstrate knowledge of completion and production testing on a drilling rig	3	5
11279	3	Install well head equipment on a drilling rig	3	2

#### **MANUFACTURING > PRINTING > DIGITAL PRINTING (EXPIRING)**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
20096	2	Demonstrate trade knowledge for digital printing	3	15
20098	3	Create documents for digital copiers using basic software	3	20

#### **MANUFACTURING > PRINTING > PRINTING - GRAPHIC COMMUNICATION (EXPIRING)**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
17921	3	Demonstrate core industry knowledge for printing - graphic communication	3	10
17922	3	Demonstrate advanced industry knowledge for printing - graphic communication	3	15

### **Republished standard in January 2007**

#### **COMMUNITY AND SOCIAL SERVICES > OUTDOOR RECREATION > ROCK CLIMBING**

<b>Id</b>	<b>Ver</b>	<b>Title</b>	<b>Level</b>	<b>Credits</b>
14216	2	Set up and operate client abseils at a specific site	4	10

## ACCREDITATION AND MODERATION ACTION PLANS (AMAP)

### AMAPs – Revised in January 2007

Ref	Ver	Title
0022	2	Dairy Manufacturing
0094	2	Meat Retailing
0102	4	Outdoor Recreation and Ngā Mahi ā Te Rēhia

### AMAP – Republished in January 2007

Ref	Ver	Title
0180	2	Sport, Fitness and Recreation Industry Training Organisation Ltd - Diving

### AMAP – Expired in January 2007

Ref	Ver	Title
0139	5	NZQA Music (General Education)