

FIELD PLANNING AND CONSTRUCTION**Review of *Surveying* qualifications****National Certificate in Surveying (Level 3) [Ref: 0432]****National Diploma in Surveying (Level 6) with an optional strand in Mine Surveying [Ref: 0453]****National Certificate in Surveying (Hydrographic Surveying) (Level 5) [Ref: 0463]****National Certificate in Surveying (Geographic Information Systems) (Level 4) [Ref: 0996]**

InfraTrain New Zealand has completed the review of the qualifications listed above.

Replacement qualification**National Certificate in Surveying (Hydrographic Surveying) (Level 4) [Ref: 1444]****Date new versions published****September 2008**

The next qualification review is planned to take place during 2013.

Summary of review and consultation process

This planned review of surveying qualifications took account of a review of surveying standards, industry requirements to provide a pathway to the surveying degree, provider requirements to ensure candidates have competence in complementary mathematical skills, Royal New Zealand Navy requirements for training hydrographers, and industry and navy requirements to meet international standards of competence for hydrographic surveyors.

The New Zealand Institute of Surveyors, the Royal New Zealand Navy, and the Trans Tasman Hydrographic Commission all provided expert advisors to inform the review. From July 2006 until June 2007 the qualifications were reviewed, in conjunction with and following the standards review, at meetings in Auckland and Wellington and by teleconferences. The wider industry, including representatives from the geospatial sciences sector, Land Information New Zealand, and Otago University, participated in the consultation process as appropriate. Email and telephone consultations with advisors, industry members, providers, and Qualification Services clarified current requirements for the qualifications. The New Zealand Institute of Surveyors and the Surveying Industry Advisory Group endorsed the changes. The Extractive Industries Training Organisation confirmed the updating of the optional strand in Mine Surveying in the National Diploma in Surveying (Level 6) [Ref: 0453].

It was determined during the review that the specialist areas of geographic information, remote sensing, photogrammetry, and cartography have developed beyond the scope of the surveying industry and require input from the developing geospatial information industry. InfraTrain New Zealand is pursuing separate consultation with this new sector.

Main changes resulting from the review

- the National Certificate in Surveying (Geographic Information Systems) (Level 4) [Ref: 0996] designated expiring as it is not required by industry
- the National Certificate in Surveying (Hydrographic Surveying)(Level 5) [Ref: 0463] replaced with the National Certificate in Surveying (Hydrographic Surveying) (Level 4) [Ref: 1444] to meet current Royal New Zealand Navy requirements for initial training in hydrographic surveying skills
- structure of qualifications changed
- credit totals and credit tables updated
- standards added, replaced, and deleted within the qualifications
- purpose statements changed to provide more information.

National Certificate in Surveying (Level 3) [Ref: 0432]

National Certificate in Surveying (Assistant) (Level 3) [Ref: 0432]

Review category	B	See Key to Qualification Review Categories at the end of report
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Changes to structure and content

- descriptor added to title
- purpose statement amended to clarify target, justify structure, and remove pathway to expiring qualification
- credit tables updated
- standard 8774 replaced by standard 23875 in compulsory section
- standards 2780, 2784, 2788, 2790, and 2798 moved to elective section
- standards 8775 and 8776 replaced by standards 23876 and 23877 respectively and moved to elective section
- standards 1272, 1279, 5236, 5245, 5246, 5251, 5627, 12318, 19355, 20877, and 20878 added to compulsory section
- standards 497, 504, 8762, and 8777 in compulsory section removed
- standards 3491, 23872, and 23884 added to elective section
- standards 8763, 8764, 8784, 17220, 17223-17225, and 19536-19539 removed from elective section
- credit totals decreased from 107 to 83.

Transition

People currently working toward version 3 may choose to complete that version or transfer their results to version 4.

The last date for assessment against version 3 is 31 December 2011.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
201, 202	2780
203, 204	2790

Credit for	Exempt from
208	2784
212	2788
214	2791
222, 223	2798
1300	9677
7482, 7483	19355
8774	23875
8775	23876
8776	23877
8783	23872

National Diploma in Surveying (Level 6) with an optional strand in Mine Surveying [Ref: 0453]

Review category	B	See Key to Qualification Review Categories at the end of report
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Changes to structure and content

- purpose statement amended to clarify target users and reflect changes in structure and content
- special notes updated to clarify entry requirements, remove redundant advice, and add pathway information
- core elective sets replaced by new elective section
- standards, 8765, 8774, 8775, 8776, 8777, and 8783 replaced in compulsory section by 23874, 23875, 23876, 23877, 23878, and 23872 respectively
- standard 23873 substituted for standard 8762 in the compulsory section
- standard 11131 replaced by 23859 in compulsory and 23860 in elective section
- standard 11153 moved from elective to compulsory section
- standards 1304, 1312, 5095, 6147, 6360, 8772, 8779, 8785, 8786, 11405, 11406, 11417, and 11422 moved from compulsory to elective section
- standard 11133 replaced by standards 23861 and 23862 and moved to elective section
- standards 6363 and 8773 replaced by standards 21614 and 23871 respectively and moved to elective section
- standards 1272, 1279, 1280, 2783, 2787, 3491, 5089, 5090, 8763, 8778, 8780, 8781, 9677, and 11134 removed from compulsory section
- standards 5268, 5627, 9685, 18756, and 23879-23881 added to compulsory section
- standards 5628, 5269, 6442, 6450, 8643-8646, 11102, 11104-11107, 11109, 11402, 23863-23865, 23870, 23882, and 23885 added to elective section
- optional standard 12632 replaced by standard 21281
- credit totals decreased from 285-364 to 252-347
- prerequisite diagram added.

Transition

People currently working toward version 4 may choose to complete that version by December 2013, or transfer their results to version 5. Those working towards versions 2 and 3 may complete by the end of 2008 or transfer to this version.

The last date for assessment against the earlier versions is 31 December 2013.

New trainees will be enrolled in programmes leading to the new version.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
209	2785
6363	21614
7483	19355
8765	23874
8773	23871
8774	23875
8775	23876
8776	23877
8777	23878
8783	23872
8787, 8788, and 8982	23882
11131	23859, 23860
11133	23861, 23862
12632	21281
16668	23882
16669	23864

National Certificate in Surveying (Geographic Information Systems) (Level 4) [Ref: 0996]

Review category	D	See Key to Qualification Review Categories at the end of report
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There are no candidates currently enrolled in training leading to this qualification. It will expire in December 2008 with no replacement.

National Certificate in Surveying (Hydrographic Surveying) (Level 5) [Ref: 0463]
National Certificate in Surveying (Hydrographic Surveying) (Level 4) [Ref: 1444]

Review category	C	See Key to Qualification Review Categories at the end of report
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Summary of differences between the qualifications

- level changed from 5 to 4
- purpose statement amended to identify target groups and justify content
- standards 4144, 4152, 4177, 11135, 11139, 11145, and 11151 retained
- standards 23875-23878 replaced standards 8774-8777
- standards 2780, 2784, 2788, 2790, 2791, 2798, 2977, 3492, 4138, 6400, 6401, 6402, 12301, 12302, 12304, 12310, 19489, 20029, 23866, and 23867 added
- total credits decreased from 266 to 154.

Transition

People currently working toward version 3 of the replaced qualification may choose to complete that version or transfer their results to this qualification.

The last date for assessment against the replaced qualification is 31 December 2010.

Candidates who hold standards 8762 and 8778 as a result of assessment within a hydrographic context may apply for recognition of current competence for standards 23866 and 23867 respectively. Applications for the recognition of current competency, supported by appropriate documentation, should be made to InfraTrain NZ.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
201, 202	2780
203, 204	2790
208	2784
212	2788
214	2791
222, 223	2798
4113	19489
8774	23875
8775	23876
8776	23877

Credit for	Exempt from
8777	23878
12308	20029

It is not intended that anyone is disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to InfraTrain New Zealand at the address below.

InfraTrain New Zealand
PO Box 2759
WELLINGTON

Telephone 0800 486 626
Email askus@infratrains.co.nz

Key to Qualification Review Categories

Category A The qualification is published as a new version with the same NQF ID	Changes are made to SSB name, contact details or purpose statement
	No change is made to title, rules or components of the qualification
	No transition arrangements are required
Category B The qualification is published as a new version with the same NQF ID	Changes are made to title, rules or components
	The new version of the qualification recognises a similar skill set to that recognised by the previous version
	The SSB is confident that people awarded the new or previous version are comparable in terms of competence
	Transition arrangements are required if candidates must gain additional/different credits for the new version
Category C A new (replacement) qualification is published with new NQF ID	Significant changes are made to the qualification in terms of components, structure, type or level
	The SSB views people with the replacement qualification as being significantly different in terms of competence from those with the replaced qualification
	Transition arrangements are required
	Transition may be limited to phase-out dates
Category D Qualification will expire. There is no replacement qualification	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set