

Field Planning and Construction

Review and expiry of *Surveying* unit standards

Subfield	Domain	ID
Surveying	Geodetic Surveying	11134, 23862
	Geographic Information Systems and Cartography	23864, 23865
	Hydrography	11135-11147, 11149-11151, 23866-23869
	Subdivisional Design	23870
	Surveying - Photogrammetry and Remote Sensing	23882, 23883
	Survey - Land Administration and Applied Resource Management	8779, 8786
	Survey Practice	8764, 8766, 8778, 23873
	Titles and Survey Compliance	23884

Connexis Infrastructure ITO has completed the review of the unit standards listed above.

Date new versions published

January 2019

Summary

The unit standards were identified as overdue for review. Usage checks showed that the standards had received little or no use in the last 3 years and are not included in any current Connexis programmes. A list of standards was circulated among relevant industry stakeholders in October 2018, and any standards identified as no longer needed were reviewed with the intention to expire them from the Directory of Assessment Standards.

Main changes

- All standards were designated expiring and reissued as new versions with an expiry date included.
- References in guidance information and within individual standards were updated.
- Standard setting body information and contact details were updated.

Category D unit standards will expire at the end of December 2020

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

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

Planning and Construction > Surveying > Geodetic Surveying

ID	Title	Level	Credit	Review Category
11134	Undertake astronomical observations and computations	6	8	D

ID	Title	Level	Credit	Review Category
23862	Demonstrate knowledge of GNSS, and carry out a geodetic control network survey, for geodetic surveying	6	8	D

Planning and Construction > Surveying > Geographic Information Systems and Cartography

ID	Title	Level	Credit	Review Category
23864	Demonstrate knowledge of data capture, and acquire and load data for a spatial information system	6	15	D
23865	Present information from a spatial information system	6	8	D

Planning and Construction > Surveying > Hydrography

ID	Title	Level	Credit	Review Category
11135	Establish and monitor a tidal station	4	6	D
11136	Measure tidal streams and currents	5	6	D
11137	Process tidal data	5	6	D
11138	Determine survey vessel position	4	5	D
11139	Deploy a positional control system for hydrographic surveying	4	4	D
11140	Determine depth	5	8	D
11141	Conduct sidescan sonar operations	5	6	D
11142	Determine coastal topography	5	6	D
11143	Compile hydrographic survey records for presentation	4	15	D
11144	Demonstrate knowledge of oceanographic processes	5	5	D
11145	Demonstrate knowledge of maritime safety for hydrographic surveying operations	3	5	D
11146	Demonstrate knowledge of legal aspects of hydrography	5	5	D
11147	Demonstrate knowledge of hydrographic survey planning	6	8	D
11149	Carry out nautical charting surveys	5	8	D
11150	Use software for hydrographic survey operations	6	6	D
11151	Conduct sounding operations as a survey motorboat coxswain	4	5	D
23866	Locate existing survey marks, for hydrographic surveys, and assess their reliability	4	5	D
23867	Select site for new hydrographic survey marks, install survey marks, and complete site records for a hydrographic survey	3	3	D
23868	Demonstrate knowledge of industrial offshore surveys	6	8	D
23869	Demonstrate knowledge of hydrographic surveying in support of coastal zone management	6	8	D

Planning and Construction > Surveying > Subdivisional Design

ID	Title	Level	Credit	Review Category
23870	Establish quality requirements, manage, and monitor the installation of subdivision infrastructure	6	18	D

Planning and Construction > Surveying > Surveying - Photogrammetry and Remote Sensing

ID	Title	Level	Credit	Review Category
23882	Demonstrate knowledge of the principles of remote data acquisition and its use in New Zealand	6	18	D

ID	Title	Level	Credit	Review Category
23883	Plan, process, and assess remote data in a surveying context	6	6	D

Planning and Construction > Surveying > Survey - Land Administration and Applied Resource

ID	Title	Level	Credit	Review Category
8779	Implement a resource consent in a surveying context	6	3	D
8786	Describe Māori land judicial and administrative systems and prepare an application for a partition	5	6	D

Planning and Construction > Surveying > Survey Practice

ID	Title	Level	Credit	Review Category
8764	Produce a topographical survey plan	5	8	D
8766	Survey and set out building and construction control	5	6	D
8778	Construct and maintain control survey marks on land	3	8	D
23873	Confirm the reliability of existing land survey marks	6	12	D

Planning and Construction > Surveying > Titles and Survey Compliance

ID	Title	Level	Credit	Review Category
23884	Demonstrate knowledge of, and extract, cadastral data from Landonline	3	5	D