

Field Planning and Construction**Revision and rollover of *Concrete Technology* unit standards**

Subfield	Domain	ID
Construction Trades	Concrete Technology	12021, 12022, 18340-18351

The Building and Construction Industry Training Organisation (BCITO) has completed the revision and rollover of the unit standards listed above.

Date new versions published

November 2011

Planned review date

December 2013

Summary

These standards were revised in order to reclassify them into the *Concrete Technology* domain of the *Concrete* subfield, as the *Concrete Technology* domain listed under the *Construction Trades* subfield (in which the standards currently reside) is lapsing (expiring). The standards were also rolled over in order to maintain their currency until consultation is undertaken and a full review completed in 2013.

Main changes

- The standards were reclassified from *Construction Trades > Concrete Technology* to *Concrete > Concrete Technology* and the lapsing domain was expired.
- Explanatory notes were updated to ensure currency.
- The range under ER 3.2 of standard 18349 was updated.
- The planned review date was changed from December 2010 to December 2013.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Construction Trades > Concrete Technology	Any	Domain	Concrete > Concrete Technology	Same

Impact on registered qualifications

Key to type of impact	
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following BCITO qualifications are not materially impacted by the outcome of this revision and rollover and will be updated as part of the mandatory review beginning in 2012.

Ref	Qualification Title	Classification or ID
0744	National Certificate in Concrete Construction (Specialist) with strands in Sitework, and Pre-cast Concrete	12022, 18349
0884	National Certificate in Concrete Technology (Level 4)	12021, 12022, 18340-18351

The following table identifies qualifications developed by another SSB that is not materially affected by the outcome of this revision and rollover. The SSB has been advised of this impact.

Ref	Qualification Title	Classification or ID	SSB Name
1643	National Certificate in Infrastructure Civil Engineering (Laboratory Technician) (Level 4) with strands in Aggregate, Soil, Bitumen, Concrete, Asphalt, and Field Investigation	18340, 18342	InfraTrain New Zealand

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

All changes are in **bold**.

Planning and Construction > Construction Trades > Concrete Technology
 Planning and Construction > **Concrete > Concrete Technology**

ID	Title	Level	Credit
12021	Demonstrate knowledge of concrete construction technology	3	7
12022	Demonstrate knowledge of concrete specialist technology	4	7
18340	Test concrete	4	10
18341	Design concrete mixes	5	12
18342	Demonstrate knowledge of concrete production	4	10
18343	Demonstrate knowledge of joint types and positions for concrete construction	4	4
18344	Describe and design formwork for concrete construction	4	12
18345	Demonstrate knowledge of handling, placing and finishing concrete	3	12
18346	Demonstrate knowledge of curing methods for concrete construction	3	5
18347	Demonstrate knowledge of materials and construction for concrete roads and floors	4	10
18348	Demonstrate knowledge of precast and pre-stressed concrete systems	5	12
18349	Demonstrate knowledge of site layout and organisation for concrete construction	4	10
18350	Demonstrate knowledge of control procedures for concrete production	5	8
18351	Demonstrate knowledge of concrete reinforcement	4	6