

**FIELD PLANNING AND CONSTRUCTION****Review of *Elementary Construction Skills* unit standards, and registration of new *Building, Construction, and Allied Trades Skills* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>Id</b>
Construction Trades	Elementary Construction Skills	12927–12930, 12932–12933, 12935–12939, 12941, 18672, 22129, 22607

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

**Date new versions published** **December 2007**

**Planned review date** **December 2012**

**Summary of review and consultation process**

These unit standards have been reviewed in order to make them suitable introductory standards to a wider range of construction related trades represented by BETA (Built Environment Training Alliance) Industry Training Organisations (ITOs). The BETA ITOs that form the core group are BCITO, Creative Trades ITO, New Zealand Flooring ITO, InfraTrain, Joinery ITO, and Plumbing, Gasfitting, and Drainlaying ITO.

The BETA group have worked together to review the Elementary Construction Skills unit standards to ensure they are fit for purpose and able to meet the requirements of a wider range of trades for reclassification in a new Building, Construction and Allied Trades Skills (BCATS) domain. In addition the group identified a number of 'skill gaps' required for two new BCATS qualifications which will be available in schools in 2008. Further information is available at <http://www.bconstructive.co.nz>.

As part of the development process, feedback was sought from teachers and industry representatives in September 2006, re the structure of the new qualifications. In April 2007, a 10-week pilot programme was launched using unit standards from the Elementary Construction Skills domain in conjunction with eight new draft unit standards. This culminated in reports which were presented to an Internal Working Party consisting of BCITO regional staff and teachers who had been involved in the pilot programme, in July 2007. At this meeting, the content of the unit standards was finalised, and was subsequently endorsed by the BETA group.

The Elementary Construction Skills unit standards that are not relevant to the BCATS qualifications have not yet been reviewed. BCITO is currently in negotiation with other ITOs regarding the review and reclassification of the unit standards designed specifically for the Basic Residential Property Maintenance strand of the National Certificate in Elementary Construction Skills qualification. Those unit standards will be reviewed in 2008.

## Main changes resulting from the review

- The unit standards in this review have been reclassified in the Building, Construction and Allied Trades Skills domain.
- Titles of unit standards 12927, 12932, 12933, 12935-12939, 22129, and 22607 have been changed to reflect skills covered.
- Unit standards 12928, 12929, 12930, 12941 and 18672 have been replaced by new unit standards 24350, 24351, 24352, 24353 and 24354 respectively.
- Six new unit standards have been developed for registration in the Building, Construction, and Allied Trades Skills domain.

## Unit standards categorised as category C expire at the end of December 2010.

## Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Domain	Elementary Construction Skills	1	Domain	Building, Construction and Allied Trades Skills	1
Domain	Elementary Construction Skills	2	Domain	Building, Construction and Allied Trades Skills	2
Standard	12928	2	Standard	24350	2
Standard	12929	2	Standard	24351	2
Standard	12930	2	Standard	24352	1
Standard	12941	2	Standard	24353	2
Standard	18672	2	Standard	24354	2

## Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0048 has been updated to reflect the changes made to the standards.

## Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

<b>Affected</b>	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
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Building and Construction Industry Training Organisation qualification is affected by the outcome of this review and will be reviewed in 2007.

Qualification title	Classification or standard in the qualification
National Certificate in Elementary Construction Skills with strands in Entry Level, Advanced Level, and Basic Residential Property Maintenance [Ref: 0751]	<b>12927-12930</b> , 12932-12933, 12935-12939, <b>12941</b> , <b>18672</b> , 22129, 22607

The following qualification may also be affected by the outcome of this review. The standard setting body (SSB) has been advised that it may require revision to include the new domain.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Civil Infrastructure (General Introductory Skills) [Ref:1125]	Elementary Construction Skills	InfraTrain New Zealand

The following qualification is not materially affected by the changes. It will be updated when it is next reviewed.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Civil Works and Services [Ref: 0771]	12933	InfraTrain New Zealand

It is not intended that anyone be disadvantaged by this review. BCITO will continue to recognise replaced unit standards from the Elementary Construction Skills domain, and there is no need for existing holders to 'upgrade'. However, if holders of the replaced standards (identified below) choose to complete a qualification listing the replacement standard, additional assessment will be required. The additional knowledge and skills contained within the replacement unit standard is such that a straightforward exemption would be inappropriate.

### Assessment information

For BCITO qualifications, the following transitions will apply for assessment purposes only:

- People who hold credit for standard 12928 can use this as evidence of assessment for drills, circular saw, jigsaw, sanders against standard 24350; but must be assessed for portable planer, reciprocating saw, router, biscuit jointer.
- People who hold credit for standard 12929 can use this as evidence of assessment for circular saw bench and compound mitre saw in the range of elements 1-4; but must be assessed against the balance of the range of elements 1-4 of standard 24351.
- People who hold credit for standard 12930 can use this as evidence for element 2 of standard 24352; but must be assessed against element 1.
- People who hold credit for standard 12941 can use this as evidence for elements 1 and 3 of standard 24353; but must be assessed against element 2.

### Review Categories and changes to classification, title, level and credits

All changes are in **bold**.

#### Key to review category

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|----------|---|
| <b>A</b> | Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number           |
| <b>B</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 |
| <b>C</b> | Major changes that necessitate the registration of a replacement standard with a new Id   |
| <b>D</b> | Standard will expire and not be replaced  |

Subfield Construction Trades  
 Domain Elementary Construction Skills  
**Building, Construction, and Allied Trades Skills**

Id	Title	Level	Credit	Review Category
12927	Use basic woodworking hand tools for elementary construction work <b>Identify, select, maintain, and use hand tools for BCATS projects</b>	2	4 6	B
12928 24350	Use portable electric tools to do basic woodworking for elementary construction <b>Identify, select, maintain, and use portable power tools for BCATS projects</b>	2	3 6	C
12929 24351	Use a circular saw bench and a compound mitre saw for elementary construction <b>Demonstrate knowledge of and use specified fixed machinery in the construction of BCATS projects</b>	2	2 6	C
12930 24352	Select and use items of personal protective equipment for basic woodworking <b>Demonstrate knowledge of and apply safe working practices in the construction of BCATS projects</b>	2 1	1 2	C
12932	Construct wooden garden furniture and items of basic construction equipment <b>Construct timber garden furniture and items of basic construction equipment as a BCATS project</b>	2	8	B
12933	Use elementary construction skills to complete minor concrete works <b>Complete minor concrete works as a BCATS project</b>	2	4	B
12935	Use elementary construction skills to erect a spaced residential timber deck <b>Erect a spaced residential timber deck up to one metre high as a BCATS project</b>	2	8	B
12936	Construct a non consent timber framed utility building <b>Construct a non-consent timber framed utility building as a BCATS project</b>	2	8	B
12937	Use elementary construction skills to erect a timber pergola <b>Erect a timber pergola as a BCATS project</b>	2	5	B
12938	Use elementary construction skills to lay paving blocks <b>Lay paving blocks as a BCATS project</b>	2	4	B
12939	Use elementary construction skills to erect basic garden edge retaining walls <b>Erect basic garden edge retaining walls as a BCATS project</b>	2	4	B

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
12941	Prepare sketches and working drawings for elementary construction projects	2	3	C
<b>24353</b>	<b>Demonstrate knowledge of and create sketches and drawings for BCATS projects</b>		<b>6</b>	
18672	Describe health and safety requirements for elementary construction projects	2	1	D
22129	Use elementary construction skills to erect and maintain a basic residential fence and gate <b>Erect and maintain a basic residential fence and gate as a BCATS project</b>	2	7	B
22607	Read and interpret plans, working drawings and specifications for elementary construction <b>Read and interpret plans, working drawings and specifications for BCATS projects</b>	2	3	B
<b>24354</b>	<b>Demonstrate knowledge of and apply safe working practices in a designated BCATS workplace</b>	2	4	<b>New</b>
<b>24355</b>	<b>Demonstrate knowledge of construction and manufacturing materials used in BCATS projects</b>	1	4	<b>New</b>
<b>24356</b>	<b>Apply elementary workshop procedures and processes for BCATS projects</b>	1	8	<b>New</b>
<b>24357</b>	<b>Receive instructions and communicate information in relation to BCATS projects</b>	2	4	<b>New</b>
<b>24358</b>	<b>Plan and monitor the construction of a BCATS project, and quality check the product</b>	2	2	<b>New</b>
<b>24360</b>	<b>Demonstrate knowledge of timber and other construction materials used in BCATS projects</b>	2	5	<b>New</b>
<b>24361</b>	<b>Apply mathematical processes to BCATS projects</b>	2	3	<b>New</b>