

## Field Planning and Construction

### Registration of skill standards and review of unit standards for concrete

Subfield	Domain	ID
Concrete	Concrete Construction	26048, 32580 – 32582, 32585, 32587 – 32591, 32593 – 32596, 32660 – 32661, 32663 – 32665, 32667 – 32670, 32672 – 32674, 32676, 32687 – 32689
	Concrete Core Skills	32656 – 32659, 32690
	Concrete Product Manufacture	32677 – 32678, 32680 – 32682
	Precast Concrete	32683 – 32685, 32855

Construction and Specialist Trades Industry Skills Board has completed the review of the unit standards listed above.

**Date new versions published**

**February 2026**

**Planned review date**

**December 2030**

#### Summary

Waihanga Ara Rau undertook a review of the concrete unit standards in 2025. The review aimed to ensure the standards reflect current industry practice, support learner progression, and align with the shift toward skill standard-based assessment.

The initial analysis included a review of skills and workplace learning practices, alongside consultation with employers, the provider (BCITO), a potential new provider interested in delivering the qualifications, and industry representatives from commercial building, civil infrastructure, concrete product manufacture, and precast concrete. Representatives from Concrete NZ were also involved. Consultation activities included online Technical Advisory Group (TAG) hui held between September and November 2025.

Draft skill standards were developed collaboratively with the TAG, which comprised industry experts and providers. These drafts were then made available online for wider consultation and feedback. Insights from the sector were incorporated into the final versions of the standards.

With the support of the TAG, wider consultation feedback was used to finalise the skill standards. As a result, the listed unit standards will be expired or replaced with new skill standards.

Several Level 4 unit standards have been intentionally split into separate Level 3 and Level 4 skill standards. This approach supports a clearer and more manageable progression of skills, allowing learners to build foundational competencies at Level 3 before advancing to more complex tasks at Level 4. It also better reflects how learning is delivered in practice and provides a more scaffolded learning experience.

Responsibility for these standards has been transferred from Waihanga Ara Rau Workforce Development Council to Construction Specialist Trades Industry Skills Board to reflect VET reforms.

## Main changes

- 12 new skill standards were developed to set competencies valued across the concrete construction environment. Of these, 4 are listed in the Concrete Construction domain and 8 are listed in the Core Construction domain.
- 22 unit standards were replaced by 15 new skill standards with changes in credit value to better reflect the expected learning and assessment hours for the skills described.
- 22 unit standards were designated expiring without replacement.
- The consent and moderation requirements (CMR) were updated from CMR 0048 (applying to the replaced unit standards) to CMR 0120, for the new skill standards.

## Category C and D standards will expire at the end of December 2027

### Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	ID	Level	Nature of consent	ID	Level
Standard	26048	3	Standard	41161	3

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

All changes are in **bold**.

Key to review category	
<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

### Planning and Construction > Concrete > Concrete Construction

ID	Title	Level	Credit	Review Category
32580	Operate and maintain tools, plant and equipment used in concrete operations	4	8	D
32581	Apply legislative frameworks to concrete operations	4	8	D
32582	Apply plans, working drawings, and specifications to concrete operations	4	8	D
32585	Plan and coordinate a daily programme of work for concrete construction operations	4	6	D
32587	Establish and maintain a concrete construction site	4	10	D
32588	Set-out for in-ground and above-ground concrete construction	4	10	C
<b>41141</b>	<b>Set out for in-ground or above-ground concrete construction of moderate complexity</b>	<b>4</b>	<b>7</b>	
32589	Prepare a base for the construction of in-situ concrete structures	4	8	C
<b>41142</b>	<b>Prepare a base of moderate complexity for in-situ concrete construction</b>	<b>4</b>	<b>7</b>	
32590	Construct formwork, falsework and propping systems for concrete structures	4	15	D
32591	Receive and store reinforcing steel and carry out reinforcing for concrete structures in-situ	4	15	D

ID	Title	Level	Credit	Review Category
32593	Plan and carry out placing and finishing concrete for flatwork and in-situ structures	4	12	D
32594	Position and secure premanufactured elements into a concrete construction	4	10	C
<b>41143</b>	<b>Position and secure precast concrete elements in concrete construction</b>	<b>4</b>	<b>10</b>	
32595	Post-tension concrete in-situ	4	10	C
<b>41144</b>	<b>Post-tension concrete structures</b>	<b>4</b>	<b>10</b>	
32596	Maintain professional standards when working as a concrete operations trade professional	4	10	D
32660	Maintain tools, plant and equipment used to construct formwork for concrete structures and foundations	3	5	D
32661	Demonstrate knowledge of materials used to construct formwork for concrete structures and foundations	3	5	C
32663	Fabricate, assemble and dismantle formwork for concrete structures and foundations	3	10	C
<b>41136</b>	<b>Construct and dismantle formwork of standard complexity for concrete structures</b>	<b>3</b>	<b>10</b>	
32664	Maintain tools, plant and equipment used to fix reinforcing for concrete structures	3	5	D
32665	Handle and store reinforcing steel and materials used for concrete construction	3	5	C
<b>41137</b>	<b>Handle and store reinforcing for construction trades</b>	<b>3</b>	<b>5</b>	
32667	Fix reinforcing into formwork for concrete structures in-situ	3	10	C
<b>41138</b>	<b>Carry out steel reinforcing installation tasks of standard complexity for concrete structures</b>	<b>3</b>	<b>5</b>	
32668	Use tools, plant and equipment to place and finish concrete	3	3	D
32669	Demonstrate knowledge of fresh concrete for concrete placing and finishing	3	2	D
32670	Demonstrate knowledge of materials used in conjunction with concrete	3	2	D
32674	Maintain tools, plant and equipment used to form specified finishes on concrete	3	5	D
32676	Form specified finishes on concrete	3	10	C
<b>41139</b>	<b>Apply specified finishes of standard complexity to concrete surfaces</b>	<b>3</b>	<b>15</b>	
32687	Inspect and maintain hand-held tools and equipment used for concrete sawing and drilling	3	3	D
32688	Saw concrete using hand-held power tools	3	5	C
32689	Drill concrete using hand-held power tools	3	5	C
<b>41140</b>	<b>Saw and drill concrete using hand-held power tools for tasks of standard complexity</b>	<b>3</b>	<b>15</b>	
<b>41145</b>	<b>Operate and maintain equipment of moderate complexity in concrete construction</b>	<b>4</b>	<b>5</b>	<b>NEW</b>
<b>41146</b>	<b>Construct and dismantle formwork of moderate complexity for concrete structures</b>	<b>4</b>	<b>10</b>	<b>NEW</b>
<b>41147</b>	<b>Install reinforcing of moderate complexity for concrete structures</b>	<b>4</b>	<b>10</b>	<b>NEW</b>
<b>41148</b>	<b>Complete placing and finishing of moderate complexity for concrete structures</b>	<b>4</b>	<b>10</b>	<b>NEW</b>

Planning and Construction > Concrete > Concrete Core Skills

ID	Title	Level	Credit	Review Category
32656	Apply health and safety, and environmental protection practices in a concrete construction workplace	3	10	D
32657	Apply job documentation to concrete construction	3	5	D
32658	Apply teamwork and communication skills in a concrete construction team	3	10	D
32659	Use measurements and calculations in concrete construction work	3	5	D
32690	Maintain the standards of the concrete construction industry as a concrete construction worker	3	5	D

Planning and Construction > Concrete > Concrete Product Manufacture

ID	Title	Level	Credit	Review Category
32677	Demonstrate knowledge of concrete used for the manufacture of concrete products	3	3	D
32678	Operate and maintain machinery, plant and equipment used to manufacture concrete products	3	8	C
<b>41149</b>	<b>Operate and maintain equipment of standard complexity for concrete product manufacture</b>	<b>3</b>	<b>10</b>	
32680	Manufacture concrete products	3	8	C
32681	Apply quality checking procedures to concrete product manufacture	3	4	C
<b>41150</b>	<b>Manufacture concrete products by completing tasks of standard complexity</b>	<b>3</b>	<b>10</b>	

Planning and Construction > Concrete > Precast Concrete

ID	Title	Level	Credit	Review Category
32683	Complete pre-pour processes for precast concrete manufacture	3	8	C
<b>41151</b>	<b>Carry out pre-production processes of standard complexity for precast concrete manufacture</b>	<b>3</b>	<b>5</b>	
32855	Operate and maintain machinery, plant and equipment used to manufacture precast concrete elements	3	5	C
<b>41152</b>	<b>Operate and maintain equipment of standard complexity for precast concrete manufacture</b>	<b>3</b>	<b>5</b>	

Planning and Construction > Construction Trades > Core Construction

ID	Title	Level	Credit	Review Category
<b>41153</b>	<b>Identify common hazardous substances and safety controls in a construction environment</b>	<b>2</b>	<b>2</b>	<b>NEW</b>
<b>41154</b>	<b>Identify factors that impact on construction businesses</b>	<b>3</b>	<b>3</b>	<b>NEW</b>
<b>41155</b>	<b>Complete construction tasks to progress a project</b>	<b>3</b>	<b>20</b>	<b>NEW</b>
<b>41156</b>	<b>Maintain established site practices in a construction environment</b>	<b>3</b>	<b>6</b>	<b>NEW</b>
<b>41157</b>	<b>Monitor construction processes and evaluate own construction tasks</b>	<b>3</b>	<b>6</b>	<b>NEW</b>
<b>41158</b>	<b>Use digital tools to access and communicate information in a construction environment</b>	<b>3</b>	<b>5</b>	<b>NEW</b>
<b>41159</b>	<b>Use digital technologies to improve construction operations</b>	<b>4</b>	<b>4</b>	<b>NEW</b>

ID	Title	Level	Credit	Review Category
41160	Complete requirements for maintaining a work zone in a construction project	4	10	NEW

Planning and Construction > Concrete

ID	Domain	Title	Level	Credit	Review Category
26048	Concrete Construction	Place and finish concrete for concrete construction on site	3	15	C
32672	Concrete Construction	Place concrete for flatwork and structural concrete elements	3	4	C
32673	Concrete Construction	Finish concrete flatwork and off-form surfaces	3	4	C
32684	Precast Concrete	Place and finish concrete for precast concrete manufacture	3	7	C
41161	<b>Concrete Core Skills</b>	<b>Carry out placing and finishing tasks of standard complexity for concrete structures</b>	<b>3</b>	<b>10</b>	
32682	Concrete Product Manufacture	Complete post-production processes for manufactured concrete products	3	4	C
32685	Precast Concrete	Complete post-pour processes for precast concrete manufacture	3	5	C
41162	<b>Concrete Core Skills</b>	<b>Carry out post-production processes of standard complexity for concrete products or precast concrete</b>	<b>3</b>	<b>5</b>	