

<b>Title</b>	<b>Handle and store reinforcing steel and materials used for concrete construction</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is intended for those working in the concrete construction industry.</p> <p>People credited with this standard are able to handle and store reinforcing steel and materials used for concrete construction to commercial standards.</p>
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<b>Classification</b>	Concrete > Concrete Construction
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Concrete Construction Skills Specifications* and the *New Zealand Certificate in Concrete Construction Skills (Level 3)* [Ref: 4189].

Evidence for this standard must reflect commercial standards.

Commercial standards refer to verbal and written information covering company policy, standard operating procedures and processes, and job-specific instructions.

Working to commercial standards refers to the ability to consistently:

- perform standard processes to current industry standards, on demand and within a commercially acceptable timeframe;
- perform non-standard processes to current industry standards, on demand and within a commercially acceptable timeframe, under the supervision of a commercially competent practitioner.

Working to commercial standards must be confirmed by a person with current expertise in fixing reinforcing.

### 2 Definition

*Workplace procedures* refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace

- 3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements.

*New Zealand Certificate in Concrete Construction Skills – Specifications*, BCITO, May 2021, accessed at [www.bcito.org.nz](http://www.bcito.org.nz).

Legislation accessed at [www.legislation.govt.nz](http://www.legislation.govt.nz)

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

Standards accessed at [www.standards.govt.nz](http://www.standards.govt.nz)

- NZS 3101.1&2:2006 *Concrete structures*
- NZS 3109:1997 *Concrete construction*
- NZS 4230:2004 *Design of reinforced concrete masonry structures*
- AS/NZS 4671:2019 *Steel for the reinforcement of concrete*.

Guidelines and Approved Codes of Practice accessed at [www.worksafe.govt.nz](http://www.worksafe.govt.nz) for the following topics:

- *Load-lifting rigging*
- *Manual handling*.

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## Skill specification and performance level guidance

### Skill specification

Handle and store reinforcing steel and materials used for concrete construction.

### Knowledge

The handling and storage requirements of reinforcing steel used in concrete construction.

Range reinforcing steel includes formed and fabricated mild, ductile and high-yield steel components, round bars, deformed bars, mesh and fibre.

The handling and storage requirements of reinforcing materials used in concrete construction.

Range includes reinforcing chairs, brackets, ties, waffle slab components, pipes, lifting eyes and anchors, conduits for services and ducting for post-tensioning.

The methods used for handling and storing reinforcing steel and materials to prevent damage and deterioration.

**Skills**

Handle and store reinforcing steel and materials to prevent damage and deterioration.

Range damage includes deformation of pre formed reinforcing steel, deterioration includes surface scaling and rust.

**Performance level guidance**

Performance must reflect current regulatory, industry and commercial standards relevant to concrete construction and workplace procedures.

<b>Planned review date</b>	31 December 2026
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	28 October 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the Building and Construction Industry Training Organisation [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.