

Title	Maintain tools, plant and equipment used to fix reinforcing for concrete structures		
Level	3	Credits	5

Purpose	<p>This unit standard is intended for those working in the concrete construction industry.</p> <p>People credited with this standard are able to maintain tools, plant and equipment used to fix reinforcing for concrete structures to commercial standards.</p>
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Classification	Concrete > Concrete Construction
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Available grade	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 Definitions

Fixing reinforcing refers to the process to cut, bend and fix reinforcing structures into formwork for the construction of a concrete structure or foundation in situ.

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.

Legislation accessed at 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

- 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 for the following topics:

- *Manual handling*
- *Management of noise*
- *Powder-actuated, hand-held fastening tools*
- *Power-operated elevating work platforms*.

Skill specification and performance level guidance

Skill specification

Maintain tools, plant and equipment used to fix reinforcing for concrete structures.

Knowledge

The purpose of hand and power tools used to fix reinforcing for concrete structures.

The purpose of plant and equipment used to fix reinforcing for concrete structures.

Maintenance requirements of hand and power tools, plant and equipment used to cut, bend and fix reinforcing for concrete structures.

Skills

Maintain hand and power tools, plant and equipment used to fix reinforcing for concrete structures.

Range maintenance includes inspection, cleaning, and basic servicing and repair.

Performance level guidance

Performance must reflect current regulatory, industry and commercial standards relevant to fixing reinforcing for concrete structures.

Maintenance must be according to manufacturer's instructions and workplace procedures.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.