

<b>Title</b>	<b>Position and secure premanufactured elements into a concrete construction</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is intended for people working in the concrete construction industry.</p> <p>People credited with this standard can position and secure premanufactured elements into a concrete construction to the level of performance required of a commercially competent tradesperson.</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 (Commercial and Civil Infrastructure) – Specifications* and the *New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure) (Level 4)* [Ref: 4188].

Evidence for this unit standard must reflect commercial competence.

Commercial competence refers to the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Commercial competence must be confirmed by a person with current expertise in concrete construction.

### 2 Definitions

*Premanufactured elements* refer to structural elements manufactured off-site to specification and integrated into the concrete structure, and may include reinforced precast concrete, structural steel and composite structural elements.

*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:

Specifications available from [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz)

- *New Zealand Certificate in Concrete Construction (Commercial and Civil Infrastructure)* – Specifications, BCITO, October 2020.

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

- 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 3109:1997 *Concrete construction*.

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

- *Approved Code of Practice for Load-lifting Rigging*
- *Good Practice Guidelines – Safe Work With Precast Concrete*
- *The Absolutely Essential Health and Safety Toolkit*.

*New Zealand Guide to Concrete Construction 2011 (Revised Edition)* accessed at [www.concretenz.org.nz](http://www.concretenz.org.nz).

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## Skill specification and performance level guidance

### Skill specification

Position and secure premanufactured elements into a concrete construction.

### Knowledge

The types, compositions and purposes of premanufactured elements used in concrete construction.

The safe lifting methods and procedures for lifting, moving and storing premanufactured elements.

Methods used to position and secure premanufactured elements into a structure.

### Skills

Position and secure premanufactured elements into a concrete construction.

Range includes – forming necessary joints, fixing connections, preparing for post-tensioning according to design specifications and detail instructions; may include the use of temporary support systems.

### Performance level guidance

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

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<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	27 January 2022	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz) if you wish to suggest changes to the content of this unit standard.