

Title	Dispatch concrete from a concrete production plant		
Level	4	Credits	30

Purpose	<p>This unit standard is intended for people working in the concrete production industry.</p> <p>People credited with this unit standard are able to dispatch concrete from a concrete production plant to the level of performance required of a commercially competent concrete production operator.</p>
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Classification	Concrete > Concrete Production
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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 Production – Specifications* and the *New Zealand Certificate in Concrete Production (Level 4)* [Ref: 4187].

Evidence for this 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 production.

2 Definitions

The *Plant Audit Scheme* sets out the operating regulations and practices for each production plant, so accreditation requirements are met with the Concrete NZ Readymix Sector Group.

Workplace procedures refers to the documented procedures specific to each concrete production plant that set out the standards and required practices for that workplace.

3 References

New Zealand Certificate in Concrete Production – Specifications, BCITO, October 2020, available from www.bcito.org.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004
- Hazardous Substances and New Organisms Act 1996
- Health and Safety at Work Act 2015
- The New Zealand Building Code
- Land Transport Act 1998.

Standards accessed at www.standards.govt.nz

- NZS 3104:2003 *Specification for concrete production*
- NZS 3109:1997 *Specification for concrete construction*.

Guidelines and Approved Codes of Practice

- *The Absolutely Essential Health and Safety Toolkit for Small Construction Sites*, and other WorkSafe NZ publications available from www.worksafe.govt.nz
- *A Guide to Concrete Construction* available from www.concretenz.org.nz
- *The Plant Audit Scheme* available from www.concretenz.org.nz.

Skill specification and performance level guidance

Skill specification

Dispatch concrete from a concrete production plant.

Knowledge

The requirements for processing forward orders against dispatching schedules and assessing stock.

Client concrete requirements and delivery details.

Transport requirements for logistics, driver scheduling and driver monitoring.

Recording requirements for dispatching information and reporting of irregularities.

Skills

Liaise with clients to determine concrete requirements and delivery details.

Range requirements include planned application and finish of concrete, site details, volume; delivery details may include – name of client, delivery address, access instructions, date and time of order, rate of delivery, payment authorisation-person, order number.

Process forward orders by checking materials available against dispatching schedules and assess stock requirements.

Liaise with concrete batcher and/or plant engineer to select the constituents of the mix design and determine any special testing requirements to process the client order.

Range aggregate size, concrete compressive strength, additives, admixtures, slump, workability requirements.

Determine transport logistics and site requirements to plan concrete dispatch.

Range logistics include traffic conditions, route selection, truck type and size; site requirements include – site access, weather conditions and on-site concrete transportation.

Analyse truck and driver schedules to plan and determine driver break requirements.

Range number of drivers, relief driver availability, rescheduling options.

Allocate and redirect trucks to meet required job schedules and driver requirements.

Monitor driver schedules and confirm driver logbooks reflect driving hours and break times.

Record dispatching information and report any irregularities.

Performance level guidance

Performance must reflect plant audit scheme requirements, NZS 3104, NZS 3109, Land Transport Act 1998, and workplace procedures.

Transport logistics are general requirements relating to the route and the environment the ready mix truck will travel and the coordination required with other parties.

Processing orders includes recording all relevant details in the plant automated dispatching system, confirming and checking this information.

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	24 June 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.