

Title	Demonstrate knowledge of site layout and organisation for concrete construction		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to identify: the requirements for the layout of a concrete construction site; the personnel requirements for a concrete construction project; and the training requirements for personnel working in the concrete construction sector.
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Classification	Concrete > Concrete Technology
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Available grade	Achieved
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Guidance Information

1 Definitions

Specifications refer to documented specifications and may include any of the following – working drawings; job specifications; manufacturer’s specifications or recommendations; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor.

Site safety plan refers to the documented safety plan for a site as required by law to ensure compliance with the requirements of the Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995 and their subsequent amendments.

Work site practices refers to the documented procedures specific to the work site which set out the standard, required practices of that work site.

2 Legislation relevant to this unit standard includes:

Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;
 Building Act 2004;
 Resource Management Act 1991.

Outcomes and performance criteria

Outcome 1

Identify the requirements for the layout of a concrete construction site.

Performance criteria

- 1.1 Layout of a concrete construction site is described in terms of the items required.
- Range items include but are not limited to – scaffolding, site access, site roads, tower cranes, hoists, mixer set-up, ready-mix trucks, reinforcement storage, compounds and sub-contractors areas, plant, workshops, temporary services, waste disposal, stacking areas, offices, operatives facilities, site security, site layout plan.
- 1.2 Project planning method is selected to meet the requirements of the work programme.
- Range methods may include but are not limited to – crucial path analysis, bar charts;
requirements may include but are not limited to – best and most economical use of labour, plant and materials; operational sequencing; ordering materials; monitoring progress.

Outcome 2

Identify the personnel requirements for a concrete construction project.

Performance criteria

- 2.1 Personnel involved in the project are identified in terms of the planning and construction stages.
- Range planning personnel may include but are not limited to – client, architect, consulting engineer, quantity surveyor;
construction personnel may include but are not limited to – site architect, site agent, general foreman, trades foreman, support staff, sub-contractors.
- 2.2 Personnel involved in the production of concrete are identified in terms of the concrete company and a precast concrete works.
- Range concrete company personnel may include but are not limited to – area technical manager, area production manager, plant supervisor, area sales manager, sales representative;
precast concrete works personnel may include but are not limited to – works manager, production supervisor, service supervisor, works inspectors, technical manager, sales manager, chief engineer.

Outcome 3

Identify the training requirements for personnel working in the concrete construction sector.

Performance criteria

- 3.1 The training requirements for an operator in the concrete industry are identified in terms of the job requirements.
- 3.2 A training programme for an operator in the concrete industry is outlined in accordance with nationally recognised industry requirements.

Range may include but is not limited to – New Zealand Qualifications Framework qualifications, City and Guilds qualifications.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 May 2001	31 December 2023
Revision	2	16 July 2004	31 December 2023
Rollover and Revision	3	25 January 2008	31 December 2023
Rollover and Revision	4	17 November 2011	31 December 2023
Review	5	27 January 2022	31 December 2023

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>.