

<b>Title</b>	<b>Complete minor concrete works as a BCATS project</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	<p>This unit standard has been designed to be achieved in a building, construction and allied trades skills (BCATS) programme.</p> <p>People credited with this unit standard are able to: calculate quantities and prepare an order for materials for minor concrete works; excavate ground, construct formwork and place hardfill for minor concrete works; mix, place, finish and cure minor concrete works; and complete work operations.</p>
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<b>Classification</b>	Construction Trades > Building, Construction, and Allied Trades Skills
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Definitions

*BCATS environment* refers to any workplace or context where work or activities related to the building, construction and allied trades sector take place, such as school workshops, training establishments, outdoor areas and industry placement workplaces.

*BCATS project* refers to a project undertaken in a BCATS environment under general supervision, using a range of tools, equipment and materials, and involving standard processes.

*Specifications* refers to documented instructions (oral, written, graphic) such as: manufacturers' specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

*Working drawings* are the set of drawings associated with a construction project, and may include plans, elevations, sections, details or any other drawings that give information about the project.

*Workplace practice* refers to procedures specific to a BCATS environment, which cover the standard and required practices of that environment.

### 2 Assessment against this unit standard may occur in any outdoor BCATS environment.

### 3 Information supporting assessment decisions should, wherever possible, be collected naturally as the BCATS projects progress.

- 4 Candidates are required to complete two minor concrete works as evidence for assessment against this unit standard. Minor concrete works may include a path, a slab foundation for a non-consent building or garden shed, a concrete wall of less than 350mm in height, or projects of similar complexity.
  - 5 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015;  
Health and Safety at Work Regulations 2016.
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## **Outcomes and performance criteria**

### **Outcome 1**

Calculate quantities and prepare an order for materials for minor concrete works.

#### **Performance criteria**

- 1.1 Quantities of materials are calculated from working drawings and job specifications.
- 1.2 An order for materials is prepared in accordance with workplace practice.

### **Outcome 2**

Excavate ground, construct formwork and place hardfill for minor concrete works.

#### **Performance criteria**

- 2.1 Ground is excavated in accordance with job specifications.
- 2.2 Formwork is set up to ensure that finished concrete is in accordance with job specifications.
- 2.3 Hardfill is placed in accordance with job specifications.

### **Outcome 3**

Mix, place, finish and cure minor concrete works.

#### **Performance criteria**

- 3.1 Concrete is mixed in accordance with job specifications.
- 3.2 Concrete is placed, compacted and finished in accordance with job specifications.
- 3.3 Concrete is cured in accordance with job specifications.

### **Outcome 4**

Complete work operations.

**Performance criteria**

- 4.1 All operations are safely completed in accordance with workplace practice.
- 4.2 Workplace, tools, plant and equipment are cleaned, and tools, plant and equipment are stored in accordance with workplace practice.

<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 1999	31 December 2018
Review	2	27 August 2001	31 December 2018
Review	3	14 December 2007	31 December 2018
Rollover and Revision	4	20 October 2016	31 December 2020
Review	5	27 June 2019	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.