

<b>Title</b>	<b>Demonstrate knowledge of fire safety requirements in the Building Code</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is for Building Control Surveyors and those who require knowledge of the Building Code.</p> <p>People credited with this unit standard are able to demonstrate knowledge of the:</p> <ul style="list-style-type: none"> <li>– objectives of the Building Code Clause C2 to C6;</li> <li>– functional requirements, and performance measures of Clause C2 – Prevention of Fire Occurring;</li> <li>– functional requirements, and performance measures of Clause C3 – Fire affecting areas beyond the fire source in the Building Code;</li> <li>– objectives, functional requirements and performance measures of Clause C4 – Movement to place of safety in the Building Code;</li> <li>– objectives, functional requirements and performance measures of Clause C5 – Access and safety for firefighting operations in the Building Code; and</li> <li>– objectives, functional requirements and performance measures of Clause C6 – Structural stability in the Building Code.</li> </ul>
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<b>Classification</b>	Compliance and Law Enforcement > Building Control Surveying
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 References
  - Building Act 2004;
  - The Building Code;
  - Building (Forms) Regulations 2004;
  - The Building Code Compliance Documents;
  - Building Officials – Building Act 2004 overview available from: <https://www.building.govt.nz/>.

- 2 The scope of buildings assessed within this unit standard fall generally within the coverage of New Zealand Standards NZS 3604:2011 *Timber-framed buildings*, and NZS 4229:2013 *Concrete masonry buildings not requiring specific engineering design*, available from <http://www.standards.govt.nz>. Please note other standards are referenced in the Building Code Handbook.
- 3 All activities must comply with – any policies, procedures, business protocols, and requirements of the organisation/s involved; and ethical codes and standards of relevant professional bodies.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the objectives of the Building Code Clause C2 to C6.

#### Performance criteria

- 1.1 Describe the objectives of Clauses C2 to C6 of the Building Code, in terms of Clause C1.

### Outcome 2

Demonstrate knowledge of the functional requirements, and performance measures of Clause C2 – Prevention of Fire Occurring.

#### Performance criteria

- 2.1 The functional requirements of Clause C2 – Prevention of Fire Occurring are described in terms of the Building Code.
- 2.2 The performance measures relating to Clause C2 – Prevention of Fire Occurring are described in terms of the Building Code and applied to a given scenario.

Range surface temperatures, explosive or hazardous conditions.

### Outcome 3

Demonstrate knowledge of the functional requirements, and performance measures of Clause C3 – Fire affecting areas beyond the fire source in the Building Code.

#### Performance criteria

- 3.1 The functional requirements of Clause C3 – Fire affecting areas beyond the fire source are described in terms of the Building Code.

Range persons not in close proximity, vertical fire spread, fire spread across a relevant boundary.

3.2 The performance measures relating to Clause C3 – Fire affecting areas beyond the fire source are described in terms of the Building Code and applied to a given scenario.

Range internal surface linings, vertical spread of fire, heat at boundary, provision for failure of any fire safety.

#### **Outcome 4**

Demonstrate knowledge of the objectives, functional requirements and performance measures of Clause C4 – Movement to place of safety in the Building Code.

4.1 The functional requirements of Clause C4 – Movement to place of safety are described in terms of the Building Code.

Range fire warning, visibility in escape routes, delay or impediment from movement to safety.

4.2 The performance measures relating to Clause C4 – Movement to place of safety are described in terms of the Building Code and applied to a given scenario.

Range exposure to carbon monoxide, thermal effects and smoke obstruction, provision for failure of any fire safety systems.

#### **Outcome 5**

Demonstrate knowledge of the objectives, functional requirements, and performance measures of Clause C5 – Access and safety for firefighting operations in the Building Code.

#### **Performance criteria**

5.1 The functional requirements of Clause C5 – Access and safety for firefighting operations are described in terms of the Building Code.

Range delay or impediment to access of firefighters or other emergency services personnel, illness or injury to firefighters or other emergency services personnel.

5.2 The performance measures relating to Clause C5 – Access and safety for firefighting operations are described in terms of the Building Code and applied to a given scenario.

Range access for fire service vehicles, delivery of water for firefighting, access and egress for firefighting operations, information systems, provision for failure of any fire safety systems.

#### **Outcome 6**

Demonstrate knowledge of the objectives, functional requirements and performance measures of Clause C6 – Structural stability in the Building Code.

## Performance criteria

6.1 The functional requirements of Clause C6 – Structural stability are described in terms of the Building Code.

Range safeguard individuals, facilitating fire rescue and fire fighting, avoidance of collapse and consequential damage to adjacent household units or property.

6.2 The performance measures relating to Clause C6 – Structural stability are described in terms of the Building Code and applied to a given scenario.

Range stability during and after a fire, provision of safe access for firefighters, consequential collapse.

<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	25 January 2008	31 December 2023
Revision	2	17 October 2008	31 December 2023
Review	3	29 March 2018	N/A
Rollover	4	30 January 2025	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0121
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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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.