

<b>Title</b>	<b>Demonstrate knowledge of principles related to provision of services for small buildings</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to, for small buildings: explain purposes and operating principles of services; explain principles of coordination and placement and reticulation of services; and demonstrate knowledge of legislative requirements relevant to services.
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<b>Classification</b>	Construction > Core Planning and Construction
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 For the purpose of this unit standard, services include – plumbing, cold and hot water, drainage, electricity, gas, ventilation, heating, telecommunications.
- 2 Small buildings are small scale, light weight buildings, generally of non-specific design, and of domestic scale with lightweight framing and/or concrete or concrete masonry construction.
- 3 Assessment of this unit standard can be by simulation and/or observation.
- 4 Legislation and publications relevant to this unit standard include: Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; Resource Management Act 1991; Building Act 2004; Electricity Act 1992; Plumbers, Gasfitters, and Drainlayers Act 2006; Telecommunications Act 2001; New Zealand Building Code; AS/NZS 3500 Set, available from Standards New Zealand (<http://www.standards.co.nz>).

### Outcomes and performance criteria

#### Outcome 1

Explain purposes and operating principles of services in small buildings.

**Performance criteria**

- 1.1 Purposes of services are identified with reference to the requirements of small buildings.
- 1.2 Components of services are identified in terms of their function.
- 1.3 Operating principles of services are explained in terms of their effects on building design and construction.
- 1.4 Explanation of services identifies their safety features.

**Outcome 2**

Explain principles of coordination and placement and reticulation of services for small buildings.

**Performance criteria**

- 2.1 Principles of coordination and placement of services are explained in terms of their compatibility in small buildings.
- 2.2 Principles regarding the placement of services in small buildings are explained in terms of requirements for construction, use, and servicing.
- 2.3 Any reticulation of services is demonstrated using a line drawing.

**Outcome 3**

Demonstrate knowledge of legislative requirements relevant to services in small buildings.

**Performance criteria**

- 3.1 Legislative requirements are analysed to determine the provision of services for small buildings.
- 3.2 Situations are identified where the expertise of other professionals is required.

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**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	21 March 1997	31 December 2024
Revision	2	10 December 1997	31 December 2024
Revision	3	7 June 2000	31 December 2024
Review	4	20 March 2003	31 December 2024
Revision	5	19 July 2004	31 December 2024
Review	6	18 March 2011	31 December 2024
Review	7	25 August 2022	31 December 2024

<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>.