

Title	Demonstrate knowledge of principles related to provision of services for small buildings		
Level	5	Credits	5

Purpose	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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Classification	Construction > Core Planning and Construction
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Available grade	Achieved
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Explanatory notes

- 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 evidence requirements

Outcome 1

Explain purposes and operating principles of services in small buildings.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Planned review date	31 December 2015
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 March 1997	31 December 2014
Revision	2	10 December 1997	31 December 2014
Revision	3	7 June 2000	31 December 2014
Review	4	20 March 2003	31 December 2014
Revision	5	19 July 2004	31 December 2014
Review	6	18 March 2011	N/A

Accreditation and Moderation Action Plan (AMAP) reference	0048
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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.