

Title	Demonstrate and apply knowledge of regulatory compliance for a certifying plumber, gasfitter, or drainlayer		
Level	5	Credits	10

Purpose	<p>People credited with this unit standard will be able to:</p> <ul style="list-style-type: none"> – explain the registration class of certifying plumber, gasfitter, or drainlayer; – demonstrate knowledge of compliance methods for plumbing, gasfitting, or drainlaying work; and – apply compliance methods in plumbing, gasfitting, or drainlaying.
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Classification	Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying
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Available grade	Achieved
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Guidance Information

- 1 This unit standard builds upon the pre-existing knowledge and skills held by a tradesman plumber, gasfitter, or drainlayer. It reflects part of the increased knowledge and skill set that is required to become recognised as a certifying plumber, gasfitter, or drainlayer. The competencies expected of a tradesman plumber, gasfitter, or drainlayer have already been demonstrated and reassessment is not required.
- 2 References
 Building Act 2004;
 New Zealand Building Code;
 Consumer Guarantees Act 1993;
 Construction Contracts Act 2002;
 Electricity Act 1992;
 Electricity (Safety) Regulations 2010;
 Gas Act 1992;
 Gas (Safety and Measurement) Regulations 2010;
 Health Act 1956;
 Health and Safety at Work Act 2015;
 Licensed Building Practitioner Rules 2007;
 Local Government Act 2002;
 Plumbers, Gasfitters, and Drainlayers Act 2006;
 Plumbers, Gasfitters and Drainlayers Board (Drainlaying Registration and Licensing) Notice 2016;
 Plumbers, Gasfitters and Drainlayers Board (Gasfitting Registration and Licensing) Notice 2016;

Plumbers, Gasfitters and Drainlayers Board (Plumbing Registration and Licensing) Notice 2016;

Plumbers, Gasfitters and Drainlayers Board Supervision Policy 2016;

Plumbers, Gasfitters, and Drainlayers Regulations 2010;

Resource Management Act 1991;

The following standards, which are available at <http://www.standards.govt.nz>:

AS/NZS 1546.1:2008 *On-site domestic wastewater treatment units – Septic tanks*;

AS/NZS 1547:2000 *On-site domestic wastewater management*;

AS/NZS 3500.1:2018 *Plumbing and drainage – Part 1: Water services*;

AS/NZS 3500.2:2018 *Plumbing and drainage – Part 2: Sanitary plumbing and drainage*;

AS/NZS 3500.3:2018 *Plumbing and drainage – Part 3: Stormwater drainage*;

AS/NZS 3500.4:2018 *Plumbing and drainage – Part 4: Heated water services*;

NZS 3604:2011 *Timber-framed buildings*;

NZS 4219:2009 *Seismic performance of engineering systems in buildings*;

AS/NZS 5601.1:2013 *Gas installations – Part 1: General installations*;

AS/NZS 5601.2:2013 *Gas installations – Part 2: LP Gas installations in caravans and boats for non-propulsive purposes*;

The following standard which is available at <https://www.bsigroup.com>:

BS EN 12056-2:2000, *Gravity drainage systems inside buildings (G13/VM1)*;

The following guides, which are available at <http://www.worksafe.govt.nz>:

Excavation Safety: 2016;

Guide for Safety with Underground Services: 2002;

Health and Safety by Design: 2018;

and all subsequent amendments and replacements.

3 Definitions

Acceptable Solutions (AS), Verification Methods (VM) – ways of evidencing that work complies with the New Zealand Building Code, published by MBIE.

Alternative solutions is defined by MBIE at <https://www.building.govt.nz/building-code-compliance/how-the-building-code-works/different-ways-to-comply/alternative-solutions/> as “all or part of a building design that demonstrates compliance with the Building Code, but differs completely or partially from the Acceptable Solutions or Verification Methods.”

Compliance requirements – requirements of Plumbers, Gasfitters, and Drainlayers Act 2006; the New Zealand Building Code; the Building Act 2004; the Gas Act 1992; and any other relevant legislation, regulations, codes, or standards as applicable to plumbing, gasfitting, or drainlaying.

Determinations – legally binding rulings made by MBIE about matters of doubt or dispute to do with building work.

MBIE – Ministry of Business, Innovation, and Employment.

Variations and amendments – ways of managing changes to work after a building consent has been issued, described by MBIE.

Additional details and MBIE definitions are available at <https://www.building.govt.nz/>.

4 Assessment

Assessments requiring application or demonstration of skills and knowledge may be performed using workplace evidence or evidence derived from simulation or scenario-based activities.

Outcomes and performance criteria

Outcome 1

Explain the registration class of certifying plumber, gasfitter, or drainlayer.

Performance criteria

- 1.1 Explain the registration class of certifying plumber, gasfitter, or drainlayer in terms of the increased scope of authorised work in relation to other registration classes for plumbing, gasfitting, or drainlaying.
- 1.2 Explain the registration class of certifying plumber, gasfitter, or drainlayer in terms of their responsibilities.
- 1.3 Explain the registration class of certifying plumber, gasfitter, or drainlayer in terms of their liabilities when work carried out by them or under their supervision does not meet compliance requirements.
- 1.4 Explain the registration class of certifying plumber, gasfitter, or drainlayer in terms of the limitations on the scope of design work undertaken when compared to that of a Licensed Building Practitioner (Design).

Outcome 2

Demonstrate knowledge of compliance methods for plumbing, gasfitting, or drainlaying work.

Performance criteria

- 2.1 Describe the types of plumbing and drainlaying work exempt from requiring building consent under Schedule 1 of the Building Act.
- 2.2 Explain Acceptable Solutions in terms of their role in developing solutions that are compliant with the New Zealand Building Code.
- 2.3 Explain Verification Methods in terms of their role in developing solutions that are compliant with the New Zealand Building Code.
- 2.4 Explain alternative solutions in terms of their role in developing performance-based solutions that are compliant with the New Zealand Building Code, and the role that guidance documents can play.
- 2.5 Explain compliance methods in terms of their role in managing changes to work after a building consent has been issued.

Range compliance methods include – minor variations, major variations, and amendments.

- 2.6 Explain compliance methods in terms of the types of supporting evidence that may be used to confirm that products and materials are fit for purpose and compliant.

Range may include but is not limited to – BRANZ (Building Research Association of New Zealand) appraisals, Code Marks, Engineer Producer Statements.

- 2.7 Explain compliance methods in terms of approaches for resolving compliance requirements that conflict with each other.

Range may include but is not limited to – consulting with regulators, determinations.

Outcome 3

Apply compliance methods in plumbing, gasfitting, or drainlaying.

Performance criteria

- 3.1 Apply Acceptable Solutions as a means of developing a solution in accordance with the New Zealand Building Code.
- 3.2 Apply an alternative solution as a means of developing a solution in accordance with the New Zealand Building Code.

Planned review date	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	26 March 2020	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.