

Title	Demonstrate knowledge of the regulatory framework and compliance methods for plumbing, gasfitting, and drainlaying		
Level	4	Credits	8

Purpose	<p>This unit standard is for people who work, or intend to work, in the plumbing, gasfitting, or drainlaying industries.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> – the structure of the regulatory framework of the plumbing, gasfitting, and drainlaying sector; – the impact of the regulatory framework for practitioners in the plumbing, gasfitting and drainlaying sector; and – compliance methods for plumbing, gasfitting, or drainlaying work.
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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 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to:
- Building Act 2004;
 - New Zealand Building Code (Building Regulations 1992 – Schedule 1);
 - Acceptable Solutions and Verification Methods;
 - Construction Contracts Act 2002;
 - Consumer Guarantees Act 1993;
 - Gas Act 1992;
 - Gas (Safety and Measurement) Regulations 2010;
 - New Zealand Gazette Notices;
 - Health and Safety at Work Act 2015;
 - Plumbers, Gasfitters, and Drainlayers Act 2006;
 - Plumbers, Gasfitters, and Drainlayers Regulations 2010;
 - Resource Management Act 1991;
 - Trans-Tasman Mutual Recognition Act 1997;
 - Water Services Act 2021.

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 1547:2012 *On-site domestic wastewater management*;

AS/NZS 3500.1:2021 *Plumbing and drainage, Part 1: Water services*;

AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*;
 AS/NZS 3500.3:2021 *Plumbing and drainage, Part 3: Stormwater drainage*;
 AS/NZS 3500.4:2021 *Plumbing and drainage, Part 4: Heated water services*;
 NZS 3604:2011 *Timber-framed buildings*;
 NZS 4219:2009 *Seismic performance of engineering systems in buildings*;
 NZS 4305:1996 *Energy efficiency – domestic type hot water systems*;
 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 Building Code clauses, and any related Acceptable Solution and Verification Method documents, which are available at <https://www.building.govt.nz/>:

New Zealand Building Code Clause B1 Structure,
 New Zealand Building Code Clause B2 Durability,
 New Zealand Building Code Clause C Protection from fire,
 New Zealand Building Code Clause E1 Surface water,
 New Zealand Building Code Clause E2 External moisture,
 New Zealand Building Code Clause E3 Internal moisture,
 New Zealand Building Code Clause G1 Personal hygiene,
 New Zealand Building Code Clause G2 Laundering,
 New Zealand Building Code Clause G3 Food preparation and prevention of contamination,
 New Zealand Building Code Clause G4 Ventilation,
 New Zealand Building Code Clause G5 Interior environment,
 New Zealand Building Code Clause G6 Airborne and impact sound,
 New Zealand Building Code Clause G10 Piped services,
 New Zealand Building Code Clause G11 Gas as an energy source,
 New Zealand Building Code Clause G12 Water supplies,
 New Zealand Building Code Clause G13 Foul water,
 New Zealand Building Code Clause G14 Industrial liquid waste,
 New Zealand Building Code Clause H1 Energy efficiency.

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.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definition

Regulatory framework refers to the operational context arising from relevant legislation, regulations, codes, and standards.

3 Candidates must hold a current limited certificate trainee authorisation or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the structure of the regulatory framework of the plumbing, gasfitting, and drainlaying sector.

Performance criteria

1.1 Explain the roles of and inter-relationships between key stakeholders in the regulatory environment for the plumbing, gasfitting, and drainlaying sector.

Range may include but is not limited to – Minister of Building and Construction; Plumbers, Gasfitters, and Drainlayers Board; local councils, territorial authorities and unitary councils; building consent authorities; Standards New Zealand; Ministry of Business, Innovation, and Employment; WorkSafe New Zealand; Energy Safety, Taumata Arowai.

1.2 Identify relevant Acts, regulations, Building Code Acceptable Solutions and Verification Methods, referenced standards, and codes that apply to the plumbing, gasfitting, and drainlaying sector.

1.3 Outline the relationship between the relevant Acts, regulations, Building Code Acceptable Solutions and Verification Methods, referenced standards, and codes in the plumbing, gasfitting, and drainlaying sector.

Outcome 2

Demonstrate knowledge of the impact of the regulatory framework for practitioners in the plumbing, gasfitting, and drainlaying sector.

Performance criteria

2.1 Outline the key provisions of relevant Acts, regulations, Building Code Acceptable Solutions and Verification Methods, referenced standards, and codes that are relevant to the plumbing, gasfitting, and drainlaying sector.

Range for each identified Act - regulation, building code acceptable solution or verification method, referenced standard, or code: the area of coverage, intention of the provision, overview of the requirements.

- 2.2 Describe key functions of the Plumbers, Gasfitters and Drainlayers Act and the New Zealand Gazette Notices in relation to licensing requirements for practitioners of plumbing, gasfitting and drainlaying.

Range may include but are not limited to – minimum standards for registration, terms and conditions of licence, authorised work, supervision requirements, competency standards, complaints, disciplinary processes, prosecutions.

Outcome 3

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

Performance criteria

- 3.1 Describe the types of plumbing, gasfitting, or drainlaying work exempt from requiring building consent under the Building Act.
- 3.2 Describe the objective, functional requirements, and performance criteria of the relevant New Zealand Building Code clauses.
- 3.3 Explain Acceptable Solutions in terms of their role in providing solutions that are compliant with the New Zealand Building Code.
- 3.4 Explain Verification Methods in terms of their role in providing solutions that are compliant with the New Zealand Building Code.
- 3.5 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.
- 3.6 Explain methods for managing changes to work after a building consent has been issued.
- Range methods include – minor variations, and amendments to a building consent.
- 3.7 Explain 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 – CodeMark product certificates, BRANZ (Building Research Association of New Zealand) appraisals, building product information, engineer producer statements, WaterMark Product Certification.
- 3.8 Explain approaches for resolving conflicting compliance requirements.
- Range may include but is not limited to – consulting with the designer and/or specifier for the project, consulting with regulators, determinations.

Replacement information	This unit standard replaced unit standard 30536.
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Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 May 2024	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.