

<b>Title</b>	<b>Demonstrate knowledge of theory for registration of plumbers</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard covers theory relating to the assessment required for registration as a tradesman plumber. To achieve this unit standard candidates must pass the Tradesman Plumber Registration Examination, which is based on the competencies set out in the Plumbers, Gasfitters and Drainlayers Board (Plumbing Registration and Licensing) Notice 2016 and described in the Examination Guide No. 9192 Tradesman Plumber.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>– workplace responsibilities and workplace safety;</li> <li>– materials used in plumbing work;</li> <li>– water supply systems; and</li> <li>– foul water systems.</li> </ul>
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<b>Classification</b>	Plumbing, Gasfitting and Drainlaying > Plumbing
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Candidates who are working within the jurisdiction of the Plumbers, Gasfitters, and Drainlayers Board must hold a current plumbing limited certificate or exemption for plumbing under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.
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### Guidance Information

- 1 This unit standard has been developed for learning and assessment off-job.
- 2 References
  - Building Act 2004;
  - Health and Safety at Work Act 2015;
  - New Zealand Building Code Handbook, Ministry of Business, Innovation and Employment;
  - B2: Durability
  - E1: Surface Water
  - E2: External Moisture
  - G1: Personal Hygiene
  - G3: Food Preparation and Prevention of Contamination
  - G12: Water Supplies

– G13: Foul Water;  
 Plumbers, Gasfitters, and Drainlayers Act 2006;  
 Plumbers, Gasfitters, and Drainlayers Board (Plumbing Registration and Licensing) Notice 2016  
 The Building Code, (Building Regulations 1992, Schedule 1);  
*Acceptable Solutions and Verification Methods*, published by Ministry of Business, Innovation, and Employment at <https://www.building.govt.nz/>;  
 and all subsequent amendments and replacements.

### 3 Range

To be eligible for registration as a tradesman plumber, candidates must complete a competency-based programme of learning approved by the Plumbers, Gasfitters, and Drainlayers Board (PGDB) and must pass the PGDB Tradesman Plumber Registration Examination (reference 9192), which is based on the competencies set out in the Plumbers, Gasfitters, and Drainlayers Board (Plumbing Registration Licensing) Notice 2016. The examination is the only valid assessment tool for this unit standard, and credit for this unit standard may only be granted on evidence of passing the examination. The Schedule Part B - Tradesman Plumber of the Notice 2016 is the main reference for this examination.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of workplace responsibilities and workplace safety.

#### Performance criteria

1.1 Explain matters relating to workplace responsibilities and workplace safety in accordance with PGDB Tradesman Plumber registration requirements.

Range may include but is not limited to – limitations on persons who do, or assist in doing, sanitary plumbing work; site safety, electrical safety, personal, and public safety; safety practices relating to confined spaces, heights, excavations, the handling of materials, electricity, tools; considerations related to building structure preservation and weather tightness when installing and/or maintaining plumbing pipework and fixtures.

### Outcome 2

Demonstrate knowledge of materials used in plumbing work.

#### Performance criteria

2.1 Explain matters relating to materials used in plumbing work in accordance with PGDB Tradesman Plumber registration requirements.

Range may include but is not limited to – materials used for water supply, water heating, waste removal, space heating; material properties and characteristics including limitations in their usage; handling methods; corrosion protection; jointing methods.

**Outcome 3**

Demonstrate knowledge of water supply systems.

**Performance criteria**

- 3.1 Explain matters relating to water supply systems in accordance with PGDB Tradesman Plumber registration requirements.

Range may include but is not limited to – installation, fault-finding, and maintenance of water supply systems; interpreting plans and specifications; water supply sources, water quality and water protection; hot and cold water reticulation systems; pipework, valves, pumps, support; sanitary appliances, sanitary fixtures and their controls, calculations and trade science principles related to water supply systems.

**Outcome 4**

Demonstrate knowledge of foul water systems.

**Performance criteria**

- 4.1 Explain matters relating to foul water systems in accordance with PGDB Tradesman Plumber registration requirements.

Range may include but is not limited to – installation, fault-finding, and maintenance of foul water systems; interpreting plans and specifications; sanitary fixtures and their controls; calculations and trade science principles related to foul water removal systems; pipework, valves, pumps venting, support.

<b>Planned review date</b>	31 December 2022
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	16 April 2015	N/A
Review	2	26 March 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.