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| <b>Title</b> | <b>Install and commission sanitary appliances and fixtures</b> |                |          |
| <b>Level</b> | <b>4</b>   | <b>Credits</b> | <b>5</b> |

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| <b>Purpose</b> | <p>This unit standard is for people who work in the plumbing industry.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– select and position sanitary appliances and fixtures;</li> <li>– install and commission sanitary appliances and fixtures.</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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### Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:  
 Building Act 2004;  
 Health and Safety at Work Act 2015;  
 Plumbers, Gasfitters, and Drainlayers Act 2006;  
 Plumbers, Gasfitters, and Drainlayers Regulations 2010.

The following standards, which are available at <https://www.standards.govt.nz>:  
 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 3500.4:2021 *Plumbing and drainage, Part 4: Heated water services*.

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 B2 Durability,  
 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 G10 Piped Services,  
 New Zealand Building Code Clause G12 Water Supplies,  
 New Zealand Building Code Clause G13 Foul Water,  
 New Zealand Building Code Clause H1 Energy Efficiency.

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 Definitions

*Job specifications* refer to instructions (oral, written, graphic) and may include any of the following: manufacturer instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements.

*Sanitary appliances and fixtures* include the following:

*Sanitary appliance* – an appliance which is intended to be used for sanitation and which is not a sanitary fixture. Included are machines for washing dishes and clothes.

*Sanitary fixture* refers to any fixture which is intended to be used for sanitation; and includes:

*Soil fixtures* – A sanitary fixture constructed to receive solid and/or liquid excreted human waste. It includes bedpan disposal units, slop sinks, urinals, water closet pans, and water-flushed sanitary towel disposal units.

*Wastewater fixtures* – A sanitary fixture used to receive waste and is not a soil fixture. Common wastewater fixtures include basin, shower, laundry tub sink, cleaners sink, bidet.

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

## 4 Assessment information

All work must be completed in accordance with job specifications and relevant standards and codes.

## 5 Range

Evidence is required for the installation of one sanitary appliance, two soil fixtures, and three different wastewater fixtures.

## 6 Level of performance

To achieve this standard the candidate must be capable of consistently performing the requirements:

- to current and relevant legislation, standards and codes (including safety);
- in an environmentally sustainable manner;
- within an acceptable timeframe;
- in the workplace;
- in different and unfamiliar contexts.

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## Outcomes and performance criteria

### Outcome 1

Select and position sanitary appliances and fixtures.

### Performance criteria

- 1.1 Select sanitary appliances and fixtures in accordance with owner and/or user requirements.

- 1.2 Position sanitary appliances and fixtures to measurements in accordance with owner and/or user requirements.

## Outcome 2

Install and commission sanitary appliances and fixtures.

### Performance criteria

- 2.1 Install sanitary appliances and fixtures.
- 2.2 Connect sanitary appliances and fixtures to water supply connection and foulwater system.
- 2.3 Carry out commissioning tests and customer handover procedures.

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| <b>Planned review date</b> | 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                      |

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| <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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.