

Title	Select, position, install, connect, commission, and maintain sanitary appliances and fixtures		
Level	4	Credits	6

Purpose	<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"> – select appropriate sanitary appliances and fixtures; – position sanitary appliances and fixtures; – install, connect, and commission sanitary appliances and fixtures; and – maintain sanitary appliances and fixtures.
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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Available grade	Achieved
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Guidance Information

1 References

Building Act 2004;

Health Act 1956;

Health and Safety at Work Act 2015;

Plumbers, Gasfitters, and Drainlayers Act 2006;

Plumbers, Gasfitters, and Drainlayers Regulations 2010;

Water Supplies Protection Regulations 1961;

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

AS/NZS 3500.1:2015 *Plumbing and drainage – Part 1: Water services*,

AS/NZS 3500.2:2015 *Plumbing and drainage – Part 2: Sanitary plumbing and drainage*,

NZS 5807:1980 *Code of practice for industrial identification by colour, wording or other coding*;

The following clauses, current versions, and any related compliance documents, which are available at <https://www.building.govt.nz>:

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;

and all subsequent amendments and replacements.

- 2 This unit standard requires the application of theory as included in the Plumbers, Gasfitters, and Drainlayers Regulations 2010.
- 3 Credit for this unit standard does not entitle the candidate to legally perform certain electrical aspects of this work unless registered, licensed, or supervised by a registered person under the provisions of the Electricity Act 1992.
- 4 **Range**
Installation of sanitary appliances – two hygiene fixtures, two appliances, two foul water appliances.
- 5 **Definitions**
Job specifications – 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. Where job specifications are in conflict with applicable legislation, standards, and/or codes, such legislation, standards, and/or codes shall take precedence for the purpose of assessment.
Maintain may refer to all or any of – repair, upgrade, alter, remove.
Sanitary appliances – include the following, incorporating the relevant fittings:
 - *hygiene fixtures* – basin, shower, bath, laundry tub, sink, cleaner’s sink;
 - *appliances* – dishwashing machine, washing machine, waste disposal;
 - *foul water appliances* – urinal, water closet pan, bidet.
- 6 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.
- 7 All practical activities are to be carried out in a way that avoids harm to people and damage to property, environment, existing installed services, materials, tools, and equipment.

Outcomes and performance criteria

Outcome 1

Select appropriate sanitary appliances and fixtures.

Performance criteria

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

Outcome 2

Position sanitary appliances and fixtures.

Performance criteria

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

Outcome 3

Install, connect, and commission sanitary appliances and fixtures.

Performance criteria

- 3.1 Install sanitary appliances and fixtures in accordance with job specifications and relevant standards and codes.
- 3.2 Connect sanitary appliances and fixtures to water supply connection and disposal service termination points in accordance with job specifications and relevant standards and codes.
- 3.3 Carry out installation and commissioning tests in accordance with job specifications and relevant standards and codes.
- 3.4 Explain safe use to customer in accordance with manufacturer instructions and relevant standards and codes.

Outcome 4

Maintain sanitary appliances and fixtures.

Performance criteria

- 4.1 Identify faults in terms of causes and possible means of rectification.
- 4.2 Rectify faults in accordance with maintenance requirements, job specifications, and relevant standards and codes.

Replacement information	This unit standard and unit standard 30553 replaced unit standard 21885 and unit standard 21886.
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Planned review date	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	26 October 2017	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.