

Title	Cost plumbing jobs		
Level	5	Credits	10

Purpose	People credited with this unit standard will be able to cost plumbing jobs.
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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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. It reflects part of the increased knowledge and skill set that is required to become recognised as a certifying plumber. The competencies expected of a tradesman plumber have already been demonstrated and reassessment is not required.
- 2 References
 Building Act 2004;
 New Zealand Building Code;
 Construction Contracts Act 2002;
 Health Act 1956;
 Health and Safety at Work Act 2015;
 Plumbers, Gasfitters, and Drainlayers Act 2006;
 Plumbers, Gasfitters and Drainlayers Board (Plumbing Registration and Licensing) Notice 2016;
 Resource Management Act 1991;
 The following standards, which are available at <http://www.standards.govt.nz>:
 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 3500.4:2018 *Plumbing and drainage – Part 4: Heated water services*;
 NZS 3604:2011 *Timber-framed buildings*;
 NZS 4219:2009 *Seismic performance of engineering systems in buildings*;
 and all subsequent amendments and replacements.
- 3 Definitions
Industry practice – policies, procedures, and standards that competent practitioners in the plumbing industry recognise as current industry best practice.
Other needs may include but are not limited to – compliance, commissioning, testing, retentions, and allowance for additional costs and overheads.

- 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.
Drawings and specifications prepared for Unit 32076, *Design water services for sanitary plumbing systems and explain less common systems* and Unit 32078, *Design foul water for sanitary plumbing systems and explain less common systems* may be used for performance criterion 1.1.
- 5 All tasks must be carried out in accordance with industry practice.
- 6 **Range**
includes a minimum of three jobs;
a minimum of one example from a multilevel building.

Outcomes and performance criteria

Outcome 1

Cost plumbing jobs.

Performance criteria

- 1.1 Analyse the materials, labour, and other needs for the job using drawings and specifications of the system.

Range may include but is not limited to – type, quantity, and time required.
- 1.2 Calculate the cost of the materials to be used in the plumbing system.
- 1.3 Calculate the cost of the labour needed for the job.
- 1.4 Calculate the cost of other needs for the job.
- 1.5 Calculate the overall cost of the job.
- 1.6 Prepare schedules of quantities for quoting and tendering purposes.

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.