

## Field      Planning and Construction

### Review of *Gasfitting* unit standards

Subfield	Domain	ID
Plumbing, Gasfitting and Drainlaying	Gasfitting	21900, 30528, 30705 – 30727

Waihangā Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**July 2024**

**Planned review date**

**December 2029**

### Summary

Waihangā Ara Rau Construction and Infrastructure Workforce Development Council initiated a review of unit standards in the Gasfitting domain. This review was triggered by the regular 5-year review cycle.

The unit standards in this application have been reviewed to update them in line with current industry practice, and to ensure they are fit for purpose.

A series of Technical Advisory Group (TAG) meetings were held between November 2022 and November 2023 to complete this review. The Technical Advisory Group consisted of industry and provider representatives with consent to assess, and representatives from industry stakeholder organisations including the Plumbing, Gasfitting, and Drainlaying Board and the Ministry of Business, Innovation and Employment.

Following the review, public consultation was held in January and February 2024. Feedback received was reviewed and decisions were made in consultation with the TAG group representatives resulting in the changes below.

### Main changes

- Guidance information, legislation, performance criteria and range statements were amended across the suite of unit standards to reflect the content and scope of the work, and in line with current industry practice and unit standard template requirements.
- Minor wording changes were made across the suite for clarity and to meet current industry terms.
- Unit standards 30712, 30721, 30722, 30723 and 30724 had their titles amended to better reflect the outcomes of the unit standards and in line with industry terms.
- Unit standards 30709, 30710, 30715, and 30717 had their credits amended to accurately reflect the notional hours required for learning and assessment completion.
- Unit standards 30711, 30713, 30719, 30720 and 30727 had their titles amended to better reflect the outcomes of the unit standards and in line with industry terms, and credit values were amended to accurately reflect the notional hours required for learning and assessment completion.
- Unit standards 30528 and 30718 were designated as expiring without replacement. There was no objection from industry as these unit standards are no longer required.
- Unit standards 30705, 30707 and 30725 were designated as expiring. Industry wanted to reduce duplication of assessment across similar unit standards.
- Unit standards 30706, 30708 and 30726 were designated as expiring. This is due to maintenance not being completed at the time of installation and this was a barrier to completion.

- Two new unit standards (33409 and 33412) have been developed to include both mechanical and electronically controlled gas appliances and associated equipment.
- Two new unit standards (33410 and 33411) have been developed with maintenance and installation outcomes separated.
- Unit standards 30714 and 30716 were set to expire and were replaced with four new unit standards (33413, 33414, 33415 and 33416) to reflect maintenance and installation outcomes separately.

**Category C and D unit standards will expire at the end of December 2028.**

**The last date for assessment of superseded versions of Category B unit standards is 31 December 2028.**

#### **Detailed list of unit standards – classification, title, level, and credits**

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made – the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same – the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

#### Planning and Construction > Plumbing, Gasfitting and Drainlaying > Gasfitting

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
21900	Demonstrate knowledge of safety requirements in gasfitting	3	4	B
30528	Make as-built drawings and record variations to job specifications for gasfitting jobs	4	5	D
30705	Demonstrate knowledge of the identification, testing, and maintenance of control and safety devices in gas appliances	4	5	D
30706	Test and maintain gas appliance control and safety devices	4	5	D
30707	Demonstrate knowledge of the installation and commissioning of electrically controlled gas appliances and equipment	4	10	D
30708	Install and commission electrically controlled gas appliances and equipment	4	10	D
30709	Demonstrate knowledge of electrical and electronics work for gas appliances	4	2 <b>3</b>	B
30710	Demonstrate knowledge of flues for gas appliances	4	4 <b>3</b>	B
30711	Demonstrate knowledge of rules relating to flueless gas appliances <b>Demonstrate knowledge of flueless gas appliances</b>	4	4 <b>2</b>	B
30712	Demonstrate knowledge of requirements for ventilation to provide combustion air <b>Demonstrate knowledge of ventilation requirements for gas appliances</b>	4	5	B

ID	Title	Level	Credit	Review Category
30713	Demonstrate knowledge of the installation and maintenance of gas control and safety devices <b>Demonstrate knowledge of the installation and maintenance of gas pressure and control devices</b>	4	5 8	B
30714 33413 33415	Install and maintain gas control and safety devices <b>Select, position, and install gas pressure and control devices</b> <b>Maintain gas pressure and control devices</b>	4 4 4	5 3 3	C
30715	Demonstrate knowledge of the installation, commissioning, and maintenance of consumer gas pipework	4	10 6	B
30716 33414 33416	Determine supply requirements and install, commission, and maintain consumer gas pipework <b>Maintain consumer gas pipework</b> <b>Determine supply requirements, install, and commission consumer gas pipework</b>	4 4 4	10 2 6	C
30717	Demonstrate knowledge of trade science for gasfitting	4	3 4	B
30718	Demonstrate knowledge of concepts and principles, and the properties of less frequently used materials for gasfitting	4	5	D
30719	Demonstrate knowledge of the key features of high consumption gas appliances and equipment <b>Demonstrate knowledge of high consumption gas appliances and equipment</b>	4	6 8	B
30720	Demonstrate knowledge of the gasfitting of LPG cylinder systems for gas installations in buildings <b>Demonstrate knowledge of LPG cylinder systems for gas installations for buildings</b>	4	5 4	B
30721	Install LPG cylinder systems for gas installations in buildings <b>Install LPG cylinder systems for gas installations for buildings</b>	4	5	B
30722	Demonstrate knowledge of the gasfitting of LPG cylinder systems for gas installations in mobile applications <b>Demonstrate knowledge of the gasfitting of LPG systems for gas installations in mobile applications</b>	4	5	B
30723	Install LPG cylinder systems for gas installations in mobile applications <b>Install LPG systems for gas installations in mobile applications</b>	4	6	B
30724	Demonstrate knowledge of installing and maintaining gas metering equipment, and interpretation of gas meter data <b>Demonstrate knowledge of the installation and maintenance of gas measurement systems, and interpretation of meter data</b>	4	3	B
30725	Demonstrate knowledge of the installation, commissioning, and maintenance of mechanical gas appliances and equipment	4	10	D
30726	Install, commission, and maintain mechanical gas appliances and equipment	4	10	D

ID	Title	Level	Credit	Review Category
30727	Demonstrate knowledge and use of gasfitting tools and testing equipment <b>Select, describe, use, and maintain tools and testing equipment for gasfitting jobs</b>	2	4 5	B
33409	<b>Demonstrate knowledge of maintenance, fault identification and rectification of gas appliances and associated equipment</b>	4	15	NEW
33410	<b>Maintain gas appliances and associated equipment and identify and rectify faults</b>	4	10	NEW
33411	<b>Install and commission gas appliances and associated equipment</b>	4	15	NEW
33412	<b>Demonstrate knowledge of the installation and commissioning of gas appliances and associated equipment</b>	4	10	NEW