

<b>Title</b>	<b>Position, install, and maintain solid fuel space heaters and flues</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<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>– position solid fuel space heaters and flues;</li> <li>– install solid fuel space heaters and flues; and</li> <li>– maintain solid fuel space heaters and flues.</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 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;  
 Resource Management Act 1991;  
 Resource Management (National Environmental Standards Relating to Certain Air Pollutants, Dioxins, and Other Toxics) Regulations 2004;  
 The following standards, which are available at <http://www.standards.govt.nz>:  
 AS/NZS 2918:2001 *Domestic solid fuel burning appliances – Installation*,  
 NZS 3604:2011 *Timber-framed buildings*,  
 AS/NZS 4013:2014 *Domestic solid fuel burning appliances – Method for determination of flue gas emission*;  
 The following clauses, and any related compliance documents, which are available at <https://www.building.govt.nz/>  
 New Zealand Building Code Clause B1 structure,  
 New Zealand Building Code B2 Durability,  
 New Zealand Building Code E2 External moisture,  
 New Zealand Building Code C2 Prevention of fire occurring;  
 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 or supervised by a registered person under the provisions of the Electricity Act 1992.

- 4 Range  
Evidence of two installations is required, covering different types of solid fuel space heaters.
- 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.  
*Other services* – any existing installed services.
- 6 All practical activities must be carried out in a way that avoids harm to people and damage to property, environment, other services, materials, tools, and equipment.
- 7 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

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## Outcomes and performance criteria

### Outcome 1

Position solid fuel space heaters and flues.

Range inbuilt, insert, freestanding, alternative application.

### Performance criteria

- 1.1 Position solid fuel space heaters and flues to measurements in accordance with job specifications and relevant standards and codes.

Range combustion clearances, heat shields, structural integrity.

### Outcome 2

Install solid fuel space heaters and flues.

### Performance criteria

- 2.1 Select the appropriate solid fuel space heaters and flues in accordance with job specifications and relevant standards and codes.

- 2.2 Install solid fuel space heaters and flues in accordance with job specifications and relevant standards and codes.

- 2.3 Conduct commissioning tests in accordance with manufacturer instructions and relevant standards and codes.

Range flue spillage, emission and smoke, appliance surface temperatures, integrity of installation.

### Outcome 3

Maintain solid fuel space heaters and flues.

### Performance criteria

- 3.1 Identify faults in terms of causes and means of rectification.
- 3.2 Rectify faults in accordance with maintenance requirements and job specifications.

<b>Replacement information</b>	This unit standard and unit standard 30607 replaced unit standard 2153.
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<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	26 October 2017	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.