

<b>Title</b>	<b>Check hydrants and water supplies</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of requirements relating to the checking of hydrants and water supplies; locate hydrants and carry out inspections; and carry out flow tests and complete reports.
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<b>Classification</b>	Fire and Rescue Services > Fire and Rescue Services - Structural and Industrial
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard must be by practical on-site demonstration of the equipment involved.
- 3 Definition  
*Fire and rescue service provider's requirements* refer to policies and procedures on safety and operation set down by each fire and rescue service employer or host organisation.
- 4 Legislation and standards relevant to this unit standard include the Fire Service Act 1975, and NZS 4510:2008 *Fire hydrant systems for buildings*.

### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of requirements relating to the checking of hydrants and water supplies.

#### Performance criteria

- 1.1 Requirements of the Fire Service Act 1975 are explained in terms of the inspection of hydrants and water supplies.
- 1.2 The inspection of hydrants and water supplies is explained in accordance with the fire and rescue service provider's requirements.

- 1.3 Testing techniques and equipment for carrying out flow tests are described in accordance with the fire and rescue service provider's requirements.

Range flow testing, comprehensive flow testing.

## Outcome 2

Locate hydrants and carry out inspections.

### Performance criteria

- 2.1 Interpretation of road markings and maps allows hydrants to be located.

Range identifying hydrants on water maps, street location.

- 2.2 Hydrants are identified by type.

- 2.3 The physical condition of hydrants and their surrounds are assessed in order to address possible faults that require further action in accordance with the fire and rescue service provider's requirements.

## Outcome 3

Carry out flow tests and complete reports.

### Performance criteria

- 3.1 Flow and pressure tests are carried out in accordance with the fire and rescue service provider's requirements.

- 3.2 Total reticulated water supplies flows and pressures are calculated and expressed in accordance with the fire and rescue service provider's requirements.

- 3.3 Hydrant faults, and the results of flow tests, are reported in accordance with the fire and rescue service provider's requirements.

Range mains capacity, mains flow, appropriate notifications.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 1995	31 December 2025
Review	2	27 May 1998	31 December 2025
Review	3	25 March 2004	31 December 2025
Review	4	20 November 2009	31 December 2025

Process	Version	Date	Last Date for Assessment
Review	5	30 September 2021	31 December 2025

<b>Consent and Moderation Requirements (CMR) reference</b>	0039
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

This unit standard is expiring.