

<b>Title</b>	<b>Maintain hand operated fire fighting equipment</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	<p>This unit standard is for personnel employed in the fire protection industry and covers the maintenance of hand operated fire fighting equipment.</p> <p>People credited with this unit standard are able to: prepare for maintenance of hand operated fire fighting equipment; and maintain hand operated fire fighting equipment and complete records.</p>
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<b>Classification</b>	Mechanical Engineering > Hand Operated Fire Fighting Equipment
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<b>Available grade</b>	Achieved
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### Guidance Information

- Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

Environment Protection Authority (EPA) *Guide to Gas Cylinders* (Wellington, 2022).  
Hazardous Substances and New Organisms Act 1996,  
NZS 4503:2005, *Hand operated fire fighting equipment*  
AS 2337.1:2004, *Gas cylinder test station – General requirements, inspection, and tests – Gas cylinders*.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definitions**

*Hand operated fire fighting equipment* in this unit standard is as defined by NZS 4503:2005 and includes fire hose reels, fire extinguishers (both gas container and stored pressure), and fire blankets.

*Maintenance* as defined by NZS 4503:2005 is the carrying out of inspections, tests, preventative maintenance and repairs at specific intervals necessary to assure the continuing reliability of fire safety systems and equipment.

*Plan* in this unit standard means the procedures developed to enable the work to be carried out in a logical and safe manner.

*Systems documentation* refers to the documentation required to be maintained by NZS 4503:2005, including logbook, test reports, equipment details and drawings, specifications, contract agreement, additions and alterations, fire reports, survey reports, building consents, standards, codes of practice, installation instructions, test and commissioning procedures, test and maintenance records

*Workplace procedures* refer to the documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality assurance procedures, housekeeping standards, procedures to comply with legislative and local body requirements.

*Workspace* refers to workshop or workstation such as a mobile workshop, marine crafts, or vehicle.

### 3 Assessment information

- a. All activities must comply with relevant legislative and/or regulatory requirements and recognised codes of practice.
- b. All activities must demonstrate safe working practices.
- c. All activities must be completed and reported within agreed timeframes.
- d. All activities must be done in accordance with systems documentation, plans, NZS 4503:2005, and workplace procedures.

### 4 Range

- a Maintenance may be performed onsite, in a workspace or a combination of both.
- b For assessment purposes, competence must be demonstrated on maintenance of six types of hand operated fire fighting equipment including four fire extinguishers from multiple sites, one fire hose reel, and one fire blanket.

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## Outcomes and performance criteria

### Outcome 1

Prepare for maintenance of hand operated fire fighting equipment.

#### Performance criteria

- 1.1 Maintenance requirements for hand operated fire fighting equipment are identified.
- 1.2 Record of equipment for the site including procedures and precautions for maintaining the equipment is prepared.
- 1.3 Tools and equipment required for carrying out maintenance are selected and prepared.

### Outcome 2

Maintain hand operated fire fighting equipment and complete records.

#### Performance criteria

- 2.1 Maintenance procedures are carried out.
- 2.2 Items not conforming to requirements are withdrawn from service.
- 2.3 Hand operated fire fighting equipment is returned to service.

2.4 Safety requirements are complied with during maintenance.

2.5 Records for all work carried out are completed.

Range logs or registers, tags or labels, reports.

2.6 Waste materials are disposed of in accordance with the Hazardous Substances and New Organisms Act 1996 and workplace procedures.

<b>Replacement information</b>	This unit standard replaced unit standard 17737 and unit standard 17738.
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<b>Planned review date</b>	31 December 2029
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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 2007	31 December 2017
Review	2	15 October 2015	31 December 2026
Review	3	27 June 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.