

Title	Install and commission hand operated fire fighting equipment		
Level	3	Credits	25

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

Building Act 2004,
 Ministry of Business, Innovation and Employment (MBIE) Acceptable Solutions (AS) and Verification Methods (VM),
 Hazardous Substances and New Organisms Act 1996
 Ozone Layer Protection Act 2017,
 Fire Extinguishers Regulations 2018,
 New Zealand Building Code,
 NZS 4503:2005, *Hand operated fire fighting equipment*,
 Land Transport Rule: *Passenger Services Vehicles* 1999 (Rule 31001),
 Land Transport Rule: *Dangerous Goods* 2005 (Rule 45001). Available at <https://www.nzta.govt.nz/>.

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**

Commissioning is the process by which the newly installed components and systems are tested to verify if it functions according to its design objectives and/or specifications and systems are inspected by a third party inspectorate.

Customers' properties refer to buildings, transport vehicles, marine crafts, and equipment.

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.

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.

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

For assessment purposes, competence must be demonstrated in the installation and commissioning of fire extinguishers at five different customers' properties, including one fire blanket and the commissioning of two fire hose reels.

Outcomes and performance criteria

Outcome 1

Prepare for the installation of hand operated fire fighting equipment.

Performance criteria

- 1.1 Systems documentation for buildings are obtained and related to NZS 4503:2005 and the AS and VM documents.
- 1.2 A record of equipment for the installation is prepared.
- 1.3 Tools, equipment, fasteners, and fixings required for the installation and commissioning, are prepared.

Outcome 2

Install hand operated fire fighting equipment.

Performance criteria

- 2.1 Equipment is installed in accordance with systems documentation, the AS and VM documents, NZS 4503:2005, and workplace procedures.
- 2.2 Service labels, tags, and signage are placed.

2.3 Safety requirements are complied with during installation of equipment.

Outcome 3

Commission hand operated fire fighting equipment and complete records.

Performance criteria

3.1 Commissioning procedures are carried out.

3.2 Equipment is put into service.

3.3 Records and documentation are completed.

3.4 Handover of the installations is completed.

Replacement information	This unit standard replaced unit standard 9014 and unit standard 9019.
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Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.