

<b>Title</b>	<b>Install and commission hand operated fire fighting equipment</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>25</b>

<b>Purpose</b>	<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 equipment; and commission 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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### Explanatory notes

#### 1 References

Building Act 2004

Fire Extinguishers Regulations 1958

Hazardous Substances and New Organisms Act 1996

Hazardous Substances (Emergency Management) Regulations 2001

Ministry of Business, Innovation and Employment (MBIE) Acceptable Solutions (AS) and Verification Methods (VM). Available at <http://www.dbh.govt.nz/AS/VM-documents>

Land Transport Rule: *Passenger Services Vehicles* 1999 (Rule 31001). Available at <http://nzta.thomsonreuters.co.nz/DLEG-NZL-LTSA-T.LTR-31001.pdf>

Land Transport Rule: *Dangerous Goods* 2005 (Rule 45001). Available at [http://nzta.thomsonreuters.co.nz/DLEG-NZL-LTSA-T.LTR-45001\\_1.pdf](http://nzta.thomsonreuters.co.nz/DLEG-NZL-LTSA-T.LTR-45001_1.pdf)

New Zealand Building Code

Maritime Rules Part 42B: *Safety Equipment – Fire Appliances Performance Standards*. Available at <http://www.maritimenz.govt.nz/Rules/Rule-documents/Part42B-maritime-rule.pdf>

Ozone Layer Protection Act 1996

NZS 4503:2005, *Hand operated fire-fighting equipment*.

#### 2 Definitions

*Enterprise 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.

*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 log book, 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.

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

### 3 Range

- 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.

### 4 Assessment

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

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## Outcomes and evidence requirements

### Outcome 1

Prepare for the installation of hand operated fire fighting equipment.

#### Evidence requirements

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

### Outcome 2

Install equipment.

#### Evidence requirements

- 2.1 Equipment is installed in accordance with systems documentation, the AS/VM documents, NZS 4503:2005, and enterprise procedures.
- 2.2 Service labels, tags, and signage are placed in accordance with NZS 4503:2005.
- 2.3 Safety requirements are complied with during installation of equipment in accordance with enterprise procedures.

**Outcome 3**

Commission equipment and complete records.

**Evidence requirements**

- 3.1 Commissioning procedures are carried out in accordance with systems documentation, plans, NZS 4503:2005, and enterprise procedures.
- 3.2 Equipment is put into service in accordance with plans and enterprise procedures.
- 3.3 Records and documentation are completed in accordance NZS 4503:2005 and enterprise procedures.
- 3.4 Handover of the installations is completed in accordance with the plans and enterprise procedures.

<b>Replacement information</b>	This unit standard replaced unit standard 9014 and unit standard 9019.
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<b>Planned review date</b>	31 December 2020
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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	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>.

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The

CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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**Comments on this unit standard**

Please contact Competenz at [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.