

Title	Survey for fire risks and select hand operated fire fighting equipment		
Level	4	Credits	25

Purpose	<p>This unit standard is for personnel employed in the fire protection industry and covers surveys and selection of hand operated fire fighting equipment as defined by NZS 4503:2005.</p> <p>People credited with this unit standard are able to: undertake surveys to identify fire risks; select hand operated fire fighting equipment and locations, and complete reports on surveys; and prepare a report for the customer.</p>
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Classification	Mechanical Engineering > Hand Operated Fire Fighting Equipment
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Available grade	Achieved
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Explanatory notes

- 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
 - 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*.
- 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.

Survey in this unit standard is as defined by NZS 4503:2005 and refers to a documented, comprehensive visual inspection, ensuring alterations, changes in occupancy (including process and storage patterns) or progressive deterioration of equipment/system components do not compromise compliance or functionality.

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

- a Competence must be demonstrated on all equipment defined by NZS 4503:2005.
- b Surveys are undertaken on customers' properties such as buildings, transport vehicles, marine crafts, and equipment.
- c For assessment purposes, competence must be demonstrated on at least five surveys involving three different properties.

Outcomes and evidence requirements

Outcome 1

Undertake surveys to identify fire risks.

Evidence requirements

- 1.1 Fire risks of customers' properties are explained in accordance with systems documentation, NZS 4503:2005, and other relevant legislative and/or regulatory requirements.
- 1.2 Customers' properties are surveyed and fire risks are identified in accordance with NZS 4503:2005, and other relevant legislative and/or regulatory requirements.
- 1.3 Safety requirements are complied with during surveys in accordance with enterprise procedures.

Outcome 2

Select hand operated fire fighting equipment and locations, and complete reports on surveys.

Evidence requirements

- 2.1 Equipment is selected in accordance with the identified risks for customers' properties in accordance with the systems documentation, NZS 4503:2005, and other relevant legislative and/or regulatory requirements.
- 2.2 Equipment locations are identified in accordance with the risks, systems documentation, NZS 4503:2005, and other relevant legislative and/or regulatory requirements.
- 2.3 Survey reports including identified risks, equipment selections, locations within customers' properties, and any obligations of owners of properties where extinguishers subject to legislative controls are installed are completed in accordance with NZS 4503:2005.

Outcome 3

Prepare a report for the customer.

Evidence requirements

- 3.1 A report for the customer is prepared in accordance with enterprise procedures.
- Range equipment, materials, labour, servicing/maintenance.

Planned review date	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	18 December 1996	31 December 2017
Revision	2	5 January 1999	31 December 2017
Revision	3	20 December 2000	31 December 2017
Review	4	26 March 2007	31 December 2017
Review	5	15 October 2015	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>.

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.

Comments on this unit standard

Please contact Competenz at qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.