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

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| 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; prepare a report on findings 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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Guidance Information

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

Building Act 2004,
 Building (Forms) Regulations 2004,
 Fire Extinguishers Regulations 1958,
 Hazardous Substances and New Organisms Act 1996,
 Hazardous Substances (Emergency Management) Regulations 2001,
 Land Transport Rule: *Passenger Services Vehicles* 1999 (Rule 31001),
 Land Transport Rule: *Dangerous Goods* 2005 (Rule 45001). Available at <https://www.nzta.govt.nz/>
 Maritime Rules Part 42B: *Safety Equipment – Fire Appliances Performance Standards*. Available at <https://www.maritimenz.govt.nz/>
 Ozone Layer Protection Act 1996,
 Ministry of Business, Innovation and Employment (MBIE) *Acceptable Solutions (AS) and Verification Methods (VM)*,
 MBIE New Zealand Building Code Handbook,
 NZS 4503:2005, *Hand operated fire-fighting equipment*.

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

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

Hand-operated firefighting equipment is defined by NZS 4503:2005 and includes fire hose reels, fire extinguishers (both gas container and stored pressure), and fire blankets.

Survey is 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 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. Competence must be demonstrated on all equipment defined by NZS 4503:2005.
- b. All activities must comply with relevant legislative and/or regulatory requirements and recognised codes of practice.
- c. All activities must demonstrate safe working practices.
- d. All activities must be completed and reported within agreed timeframes.
- e. All activities must be done in accordance with workplace procedures.

4 Range

- a. Surveys are undertaken on customers' properties such as buildings, transport vehicles, marine crafts, and equipment.
- b. For assessment purposes, competence must be demonstrated on at least five surveys involving three different properties.

Outcomes and performance criteria

Outcome 1

Undertake surveys to identify fire risks.

Performance criteria

- 1.1 Fire risks of customers' properties are explained.
- 1.2 Customers' properties are surveyed and fire risks are identified.
- 1.3 Safety requirements are complied with during surveys.

Outcome 2

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

Performance criteria

- 2.1 Equipment is selected in accordance with the identified risks for customers' properties.
- 2.2 Equipment locations are identified.
- 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.

Outcome 3

Prepare a report on findings for the customer.

Performance criteria

- 3.1 A report for the customer is prepared.
- Range equipment, materials, labour, servicing, or maintenance.

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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 | 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 | 31 December 2026 |
| Review | 6 | 27 June 2024 | N/A |

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| 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.