

Title	Maintain hand operated fire fighting equipment		
Level	3	Credits	20

Purpose	<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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Classification	Mechanical Engineering > Hand Operated Fire Fighting Equipment
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Available grade	Achieved
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Explanatory notes

1 References

Environment Protection Authority (EPA) *Guide to Gas Cylinders* (Wellington, 2013). Available at: <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/hsno/guidance-docs-epa/guide-to-gas-cylinders-2013-502kb-pdf>

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*.

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.

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.

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.

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

Workspace refers to workshop or work station such as a mobile workshop, marine crafts, or vehicle.

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 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.

Outcomes and evidence requirements

Outcome 1

Prepare for maintenance of hand operated fire fighting equipment.

Evidence requirements

- 1.1 Maintenance requirements for hand operated fire fighting equipment are identified in accordance with systems documentation, NZS 4503:2005, and enterprise procedures.
- 1.2 Record of equipment for the site including procedures and precautions for maintaining the equipment is prepared in accordance with systems documentation, NZS 4503:2005, and enterprise procedures.
- 1.3 Tools and equipment required for carrying out maintenance are selected and prepared in accordance with enterprise procedures.

Outcome 2

Maintain hand operated fire fighting equipment and complete records.

Evidence requirements

- 2.1 Maintenance procedures are carried out in accordance with plans, NZS 4503:2005, and enterprise procedures.
- 2.2 Items not conforming to requirements are withdrawn from service in accordance with NZS 4503:2005 and enterprise procedures.
- 2.3 Hand operated fire fighting equipment is returned to service in accordance with systems documentation, NZS 4503:2005 and enterprise procedures.

- 2.4 Safety requirements are complied with during maintenance in accordance with enterprise procedures.
- 2.5 Records for all work carried out are completed in accordance with NZS 4503:2005 and enterprise procedures.
- Range logs/registers, tags/labels, reports.
- 2.6 Waste materials are disposed of in accordance with the Hazardous Substances and New Organisms Act 1996 and enterprise procedures.

Replacement information	This unit standard replaced unit standard 17737 and unit standard 17738.
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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	26 March 2007	31 December 2017
Review	2	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.