

Title	Demonstrate knowledge of organisations and documentation that impact on the fire protection industry		
Level	3	Credits	4

Purpose	<p>This unit standard is for personnel employed in the fire protection industry and covers the knowledge of organisations and documentation that impact on the industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: organisations that impact on the fire protection industry; and documentation that impacts on the fire protection industry.</p>
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Classification	Mechanical Engineering > Fire Protection Systems Technology
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Available grade	Achieved
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Guidance Information

- 1 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,
 - Ministry of Business, Innovation and Employment (MBIE) *Acceptable Solutions (AS) and Verification Methods (VM)*,
 - MBIE New Zealand Building Code Handbook,
 - AS 1851:2012, *Routine service of fire protection systems and equipment*,
 - AS 4214:2018, *Gaseous fire extinguishing systems*,
 - AS 4587:2020, *Water mist fire protection systems - System design, installation, and commissioning*,
 - National Fire Protection Association, NFPA 12:2022, *Carbon dioxide extinguishing systems – System design, installation and commissioning*,
 - NFPA 15:2022, *Water spray fixed systems for fire protection*,
 - NFPA 16:2019, *Installation of foam-water sprinkler and foam-water spray systems*,
 - NFPA 17:2024, *Dry chemical extinguishing systems*,
 - NFPA 17A:2021, *Wet chemical extinguishing systems*,
 - NFPA 750:2023, *Water mist fire protection systems*,
 - NFPA 2001:2022, *Clean agent fire extinguishing systems*,
 - Standards NZ Public Available Specifications, SNZ PAS 4509:2008, *New Zealand Fire Service firefighting water supplies code of practice*,
 - NZS 4503:2005, *Hand operated fire-fighting equipment*,
 - NZS 4510:2022, *Fire hydrant systems*
 - NZS 4512:2021, *Fire detection and alarm systems in buildings*,
 - NZS 4515:2009, *Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres)*

NZS 4517:2010, *Fire sprinkler systems for houses*,
 NZS 4541:2020, *Automatic fire sprinkler systems*
 AS1530.4:2014, *Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance tests for elements of construction*
 AS 4072.1:2005, *Components for the protection of openings in fire-resistant separating elements - Service penetrations and control joints*.

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.

2 Definition

Standards refer to the standards listed in the references above.

Systems documentation refers to the documentation required to be maintained by the relevant special hazards fixed fire protection system standards, including logbook, test reports, equipment details and drawings, specifications, contract agreement, additions and alterations, fire 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, charging of time and materials, management of drawings and documentation, 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 applicable relevant standards, systems documentation, plans and workplace procedures.

4 Range

It is recommended that candidates provide evidence of organisations and documentation that impact on their own field of work.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of organisations that impact on the fire protection industry.

Range may include but is not limited to – Standards New Zealand, Standards Australia, MBIE, Fire Safety Systems Inspection and Certification Bodies, Fire and emergency New Zealand (FENZ), Electrical Workers Registration Board (EWRB), Territorial Authorities, Fire Protection Association of New Zealand (FPANZ), NFPA, Institute of Fire Engineers (IFE), Society of Fire Protection Engineers (SFPE), Institute of Professional Engineers New Zealand (IPENZ), F. M. Global, Association of Building Compliance; evidence of six organisations is required.

Performance criteria

- 1.1 Organisations that impact on the industry are identified.
- 1.2 The activities of the named organisations are described with reference to their functions in the industry.
- 1.3 The accountability and responsibility of each organisation and the industry under the relevant legislation and standards are described.

Outcome 2

Demonstrate knowledge of documentation that impacts on the fire protection industry.

Range documentation as per references in guidance information note 1; evidence of five documents is required.

Performance criteria

- 2.1 Documentation that has a direct impact on the industry is identified by title.
- 2.2 The scope of each document, and the manner in which it impacts on the industry, are described.
- 2.3 The meaning of given terminology from glossaries in the documentation is obtained.
- Range evidence of five terms is required.
- 2.4 The inspection and certification requirements for fire detection and alarms systems and fixed fire protection systems are outlined.

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	31 December 2000	31 December 2017
Review	2	26 March 2007	31 December 2017
Revision	3	23 April 2008	31 December 2017
Review	4	15 October 2015	31 December 2026
Review	5	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.