

Title	Supervise fire protection industry jobs or operations		
Level	5	Credits	30

Purpose	<p>This unit standard is for supervisors with responsibility for workshop and site operations, preparation, personnel, equipment, inspection of products, and functions/activities within the fire protection industry such as installation, commissioning, testing, maintenance, inspection, and servicing of fire protection systems. They would typically have had training in workplace supervision and will have worked as a leading hand or in a similar role in the fire protection industry.</p> <p>People credited with this unit standard are able to: prepare for fire protection industry jobs or operations as a supervisor; supervise personnel in the performance of fire protection industry jobs or operations; and inspect and document completion of jobs or operations.</p>
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Classification	Mechanical Engineering > Fixed Fire Protection Systems
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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,
 Electricity (Safety) Regulations 2010,
 Health and Safety at Work Act 2015,
 AS/NZS 3000:2018, *Electrical installations* (known as the Australian/New Zealand Wiring Rules),
 AS 4214:2018, *Gaseous fire extinguishing systems*,
 AS 4587:2020, *Water mist fire protection systems - System design, installation, and commissioning*,
 AS ISO 14520.1-2023, *Gaseous fire-extinguishing systems - Physical properties and system design – Part 1: General requirements*,
 AS ISO 14520.14-2015, *Gaseous fire-extinguishing systems - Physical properties and system design - IG-55 extinguishant*,
 AS ISO 14520.15-2015, *Gaseous fire-extinguishing systems - Physical properties and system design - IG-541 extinguishant*,

AS ISO 14520.2-2006, *Gaseous fire-extinguishing systems - Physical properties and system design - CF3I extinguishant*,
AS ISO 14520.6-2023, *Gaseous fire-extinguishing systems - Physical properties and system design - HCFC Blend A extinguishant*,
AS ISO 14520.9-2019, *Gaseous fire-extinguishing systems - Physical properties and system design - HFC 227ea extinguishant*,
AS ISO 14520.10-2019, *Gaseous fire-extinguishing systems - Physical properties and system design - HFC 23 extinguishant*,
National Fire Protection Association, 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*,
NZS 4503:2005, *Hand operated fire-fighting equipment*,
NZS 4512:2021, *Fire detection and alarm systems in buildings*,
NZS 4517:2010, *Fire sprinkler systems for houses*,
NZS 4541:2020, *Automatic fire sprinkler systems*.

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 Definitions

Functions within fire protection industry jobs or operations include but are not limited to – installation, commissioning, testing, maintenance, and servicing of fire detection and alarm systems, fixed fire protection systems, hand operated firefighting equipment, and passive fire protection systems.

Job specifications refer to instructions relevant to the safe completion of the specific task, such as technical specifications, assembly instructions, drawings, parts lists, standards, codes of practice, test and commissioning procedures, and verbal instructions.

Systems documentation refers to the documentation required to be maintained by NZS 4541:2020, NZS 4512:2021, NZS 4503:2005, and/or other relevant standards listed in the references, including log book, 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, and 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

All activities must comply with relevant legislative and/or regulatory requirements, recognised codes of practice, industry practice, relevant standards and workplace procedures.

4 Range

For assessment purposes, competence must be demonstrated on at least three different jobs or operations, involving at least three functions. A job may be part of a larger project.

Outcomes and performance criteria

Outcome 1

Prepare for fire protection industry jobs or operations as a supervisor.

Performance criteria

- 1.1 Job specifications and systems documentation are assembled, analysed, and confirmed or modified.
- 1.2 Details of jobs are planned in accordance with workplace procedures.

Range details may include but are not limited to – ordering and procurement; materials; resources; personnel; timing; availability of tools and machines; finishing; staff training; certifications; product storage.
- 1.3 Potential hazards are identified and their management is planned in accordance with safety guidelines.
- 1.4 Inspection procedures are established in accordance with job specifications.
- 1.5 Details of the specific tasks required to complete the job are communicated to others.

Outcome 2

Supervise personnel in the performance of fire protection industry jobs or operations.

Performance criteria

- 2.1 Personnel is instructed and supervised in accordance with safety guidelines.
- 2.2 Supervised personnel work is verified that it meets job specifications.
- 2.3 Feedback is provided to personnel where problems are identified and adjustments are required.

Outcome 3

Inspect and document completion of jobs or operations.

Performance criteria

- 3.1 Work is inspected for compliance with job specifications and relevant standards, and arrangements are made for corrections, if required.
- 3.2 Completion of work is documented and communicated to relevant parties.

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	21 July 2011	31 December 2017
Review	2	15 October 2015	31 December 2026
Review	3	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.