

Title	Coordinate petrochemical emergency operations		
Level	6	Credits	8

Purpose	People credited with this unit standard are able to: plan and implement strategy and tactics to control petrochemical emergencies; manage and control resources; command Team Leaders; monitor overall progress of the incident; and maintain resources and control measures.
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Classification	Fire and Rescue Services > Fire and Rescue Services - Generic Fire Fighting
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Available grade	Achieved
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Prerequisites	Unit 3321, <i>Lead a petrochemical emergency response team</i> ; Unit 29553, <i>Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure</i> ; and Unit 29554, <i>Apply operational knowledge of New Zealand's Coordinated Incident Management System</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 *Fire and rescue service provider's requirements or Standard Operating Procedures (SOPs)* refer to policies and procedures on safety and operation set down by each fire and rescue service employer or host organisation.
- 3 Assessment against this unit standard may take place under real or practical simulated conditions.
- 4 Assessment against this unit standard must comply with the Health and Safety in Employment Act 1992, OSH guidelines, and their subsequent amendments.
- 5 The following reference applies to this unit standard: *The New Zealand Coordinated Incident Management System (CIMS)*, 1998, New Zealand Fire Service Commission. This reference is available from the NZFS, PO Box 2133, Wellington 6140.

Outcomes and performance criteria

Outcome 1

Plan and implement strategy and tactics to control petrochemical emergencies.

Performance criteria

- 1.1 Tactics and strategies are developed as required by the emergency response plan.
- 1.2 Tactics and strategies promoting suppression and control are in accordance with the nature of the emergency and the resources available.
- 1.3 Resources are identified and secured in accordance with the emergency objectives.
- Range personnel and equipment needs, timing and availability of resources.
- 1.4 Safety and welfare of personnel and servicing of equipment are implemented as required by the emergency response plan.
- 1.5 Ground-to-ground communication systems are established as required by the emergency response plan.
- 1.6 Incident priorities are established in accordance with the requirements of the fire and rescue service provider.
- Range response to life, property, continued stability.
- 1.7 Changes in the status of the emergency are reported to management as required by the emergency response plan.
- Range current emergency status, potential emergency status.

Outcome 2

Manage and control resources.

Performance criteria

- 2.1 Assessment of resource requirements allows incident control to be achieved in accordance with the organisation's safety requirements and SOPs.
- 2.2 Monitoring of resource usage is carried out throughout the incident and allows action to be taken in accordance with the organisation's safety requirements and SOPs.
- Range augment or re-deploy.

Outcome 3

Command Team Leaders.

Performance criteria

- 3.1 The interpretation of requirements and instructions from management are communicated to emergency teams and are in accordance with the management's and emergency plan objectives.
- 3.2 Crew tasking optimises the experience and training of crews in relation to the nature of the emergency in accordance with the SOPs.
- 3.3 Coordination of the efforts of teams promotes progress towards incident control in accordance with SOPs.

Outcome 4

Monitor overall progress of the incident.

Performance criteria

- 4.1 Effect of the chosen strategy is monitored on an ongoing basis throughout the operation in accordance with SOPs.
- 4.2 Anticipation of changes in the status of the emergency allows their effect on the incident control strategy to be assessed in accordance with SOPs.

Outcome 5

Maintain resources and control measures.

Performance criteria

- 5.1 Fire fighting and safety resources are maintained in accordance with the requirements of the fire and rescue service provider.
 - Range may include but is not limited – to foam, hose, personnel, suitable safety equipment to comply with site and regulatory requirements.
- 5.2 Control measures are maintained throughout the incident in accordance with the requirements of the fire and rescue service provider.
 - Range CIMS process is being fully maintained with evidential handovers; or agencies not using the CIMS process are to demonstrate incident control and handover.
- 5.3 All aspects of environmental controls are maintained to meet relevant local and central governmental acts and by-laws.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 1995	31 December 2025
Review	2	27 May 1998	31 December 2025
Review	3	25 March 2004	31 December 2025
Review	4	20 November 2009	31 December 2025
Review	5	30 September 2021	31 December 2025

Consent and Moderation Requirements (CMR) reference

0039

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.