

Title	Identify and control hazards in fire and rescue service operations at accident sites		
Level	5	Credits	6

Purpose	People credited with this unit standard are able to: identify and control accident scene hazards; prepare for rescue and extrication activities; and identify manufacturer-fitted supplementary restraint systems (SRS) and use safety equipment to protect rescuers and casualties from non-deployed SRS.
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Classification	Fire and Rescue Services > Fire and Rescue Services - Structural and Industrial
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Available grade	Achieved
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Prerequisites	Unit 3283, <i>Demonstrate knowledge of personal safety at fire and other emergency incidents</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 Assessment against this unit standard may take place under real or practical simulated conditions.
- 3 Definitions
Vehicle describes any manufacturer assembled craft, machine, automobile, engine, or plant, unless otherwise described, that is mobile and can be involved in an incident or accident that results in the entrapment of people.
Fire and rescue service provider's requirements refer to policies and procedures on safety and operation set down by each fire and rescue service employer or host organisation.

Outcomes and performance criteria

Outcome 1

Identify and control accident scene hazards.

Performance criteria

- 1.1 The most suitable positioning for emergency response vehicles is selected consistent with providing barrier protection to the scene and attending personnel in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – motorway (multi-lane one-way, multi-lane two-way), arterial urban roads and causeways, suburban roads, arterial provincial and state highways, provincial and rural roads, tracks, off-road.
- 1.2 Potential environmental conditions are identified in terms of how they may adversely impact on accident scenes and influence emergency response vehicle positioning in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – approach conditions, involvement of hazardous materials, traffic, location of the accident.
- 1.3 Vehicles and the accident scene are surveyed to identify fuel and payload markings, and residual risks in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – alternative fuel systems, dual fuel systems, utilities, hazardous chemical labelling and documentation, hazardous payload stability, payload stability.
- 1.4 Vehicle energy systems are located and isolated in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – energised ignition systems, battery systems, refrigeration systems, compressors, hydraulics, ancillary motors and drives.

Outcome 2

Prepare for rescue and extrication activities.

Performance criteria

- 2.1 Additional personal protective clothing is used when preparing for rescue and extrication activities in accordance with the fire and rescue service provider's requirements.
- Range may include but is not limited to – biohazard protection, eye protection, ear protection, respiratory protection.

- 2.2 Scene protection equipment and identification markings are arranged to secure the incident scene and to provide protection to rescuers, support personnel, and the general public in accordance with the fire and rescue service provider's requirements.

Range day, night, times of low visibility.

Outcome 3

Identify manufacturer-fitted SRS and use safety equipment to protect rescuers and casualties from non-deployed SRS.

Performance criteria

- 3.1 Typical deployment sequences of SRS are identified in accordance with manufacturer's specifications and the fire and rescue service provider's requirements.

Range impact, detonation, inflation.

- 3.2 Universal identification markings for SRS in vehicles are identified and explained in accordance with the fire and rescue service provider's requirements.

- 3.3 Safety equipment for isolating non-deployed SRS is used in accordance with the fire and rescue service provider's requirements.

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	22 December 1999	31 December 2025
Review	2	25 March 2004	31 December 2025
Review	3	20 November 2009	31 December 2025
Review	4	30 September 2021	31 December 2025

Consent and Moderation Requirements (CMR) reference	0039
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.