

Title	Organise and conduct an emergency evacuation from a passenger rail vehicle		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to: ascertain the emergency situation; work out the evacuation plan; undertake the evacuation from a passenger rail vehicle; and carry out follow-up work after completion of evacuation.
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Available grade	Achieved
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Classification	Rail Transport > Rail Core Skills
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Guidance Information

- 1 Assessment against this unit standard must be carried out within the context of an organisation operating under a current, valid Rail Licence issued in accordance with the provisions of the Railways Act 2005. The organisation's operating rules, codes, and instructions, referred to in this unit standard, are those the organisation has in place to meet the requirements of the Rail Licence.
- 2 Legislation relevant to this unit standard includes:
Health and Safety at Work Act 2015.
Railways Act 2005 and subsequent amendments.
- 3 Definitions
Limited space evacuation refers to environments that impede the evacuation process. Such environments include tunnels, deep cuttings, and bridges.
Open space evacuation refers to environments that permit passengers to safely detrain and move safely and quickly away from the immediate area.
Organisational procedures refer to documents that include: operating rules, codes, instructions, and practices; equipment operating instructions; documented quality management systems; and health and safety requirements.
Train Control is where the movements of all trains in a specified area are brought under the direction of a Train Control Officer.
- 4 Range
Passenger rail vehicles for this unit standard may include but are not limited to – diesel-mechanical and diesel-electric railcars, electric multiple units, and conventional passenger carriages.

- 5 Assessment information
- a All activities and evidence must be in accordance with organisational procedures.
 - b Assessment of conducting an evacuation will be through a controlled simulation using relevant rolling stock.
 - c Safety equipment such as emergency brake and window hammer is used in accordance with organisation's operating rules, codes and instructions. For the purposes of this unit standard, demonstration of their use will be through a controlled simulation.

Outcomes and performance criteria

Outcome 1

Ascertain the emergency situation.

Performance criteria

- 1.1 Details of the emergency situation are checked with train crew.
- Range may include but is not limited to – locomotive engineer, train manager, passenger operator.
- 1.2 Train Control and/or network operator control is advised of the emergency situation in person or through delegation.
- 1.3 Extent of train security and protection is determined in accordance with the type of emergency situation.

Outcome 2

Work out the evacuation plan.

Performance criteria

- 2.1 Safety equipment, relevant to the emergency situation, is located on the rail vehicle.
- Range may include but is not limited to – window hammer, ladder, light sticks, first aid kit, fire-fighting equipment, evacuation ramp; evidence is required of a minimum of four items of safety equipment.
- 2.2 Safe exit points from rail vehicle(s) are determined in accordance with the emergency situation.
- Range emergency situation – open space evacuation, limited space evacuation; exit points may include – end door, side of train door(s), window exits.

2.3 For situations involving tunnel evacuation, tunnel exit direction is determined in accordance with environmental factors.

Range environmental factors may include but are not limited to – smoke, fire, wind direction, track and tunnel floor condition, closest exit, gradient.

2.4 Evacuation plan is conveyed to all train crew, and roles and responsibilities are delegated in accordance with the emergency situation.

Outcome 3

Undertake the evacuation from a passenger rail vehicle.

Performance criteria

3.1 Advise passengers of evacuation plan and procedures to be followed.

3.2 Identify any special passenger requirements, and where applicable, assign personnel to assist with the evacuation.

Range special passenger requirements may include but are not limited to – disabled passengers; elderly passengers; children; distressed passengers.

3.3 Evacuation is carried out according to plan.

3.4 All passengers are evacuated to a safe location.

Outcome 4

Carry out follow-up work after completion of evacuation.

Performance criteria

4.1 Train Control and/or network operator control is advised of the evacuation procedure outcome in person or through delegation.

4.2 Documentation is completed.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2007	31 December 2018
Review	2	21 January 2016	31 December 2022
Review	3	29 April 2021	N/A

Consent and Moderation Requirements (CMR) reference

0013

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

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.