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| Title | Demonstrate and apply knowledge of track protection requirements in a rail environment | | |
| Level | 3 | Credits | 4 |

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| Purpose | People credited with this unit standard are able to: locate, interpret and apply information about track protection requirements; demonstrate and apply knowledge of track work protection activities; and describe responses to emergency situations in a rail environment. |
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| Classification | Rail Transport > Rail Infrastructure |
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| Available grade | Achieved |
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Guidance Information

- 1 Assessment against this unit standard is to 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;
Resource Management Act 1991.
- 3 Definitions
Organisational procedures refer to documents that include – worksite rules, codes, and practices; equipment operating instructions; documented quality management systems; and health and safety requirements.
Person in charge refers to the person who is responsible for the protection of work which may include the use of on-track vehicles, mobile track maintenance vehicles, groups of such vehicles, or a work area.
Relevant personnel refers to personnel who should be consulted with or reported to in accordance with organisational procedures. This may include but is not limited to – supervisor, site manager, signal operator, train controller.
- 4 Assessment information
 - a All activities and evidence must be in accordance with organisational procedures.
 - b Competence is to be demonstrated in the application of track protection systems for work conducted on at least one of multiple track lines or single track lines.

Outcomes and performance criteria

Outcome 1

Locate, interpret and apply information about track protection requirements.

Performance criteria

- 1.1 Information about track protection requirements is located.
- Range may include but is not limited to – permission systems, planned protection, emergency stop protection, communication procedures, bulletin application.
- 1.2 Information about relevant track protection requirements is interpreted and applied.

Outcome 2

Demonstrate and apply knowledge of track work protection activities.

Performance criteria

- 2.1 Protection activities are carried out.
- Range may include but is not limited to – Train Control advice, signal box advice, permission form, lock on frame, manned protection, blocking, track warrant, line impassable, compulsory stop protection, individual train detection, foul time, lock out zone.
- 2.2 Emergency protection procedures are described.
- Range may include but is not limited to – track worker signals, flags, lamps, radios.
- 2.3 Protection is confirmed and maintained by constant review of protection systems and equipment.
- 2.4 Communication is maintained with relevant personnel and person in charge to ensure maximum protection is maintained.

Outcome 3

Describe responses to emergency situations in a rail environment.

Performance criteria

3.1 Responses to emergency situations are described.

Range may include but is not limited to – weather conditions; movements of equipment and vehicles; exposure to chemicals, dangerous or hazardous substances; restricted areas, confined spaces, track obstruction; evidence of three is required.

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| Planned review date | 31 December 2026 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1 | 26 May 2003 | 31 December 2021 |
| Review | 2 | 21 November 2008 | 31 December 2023 |
| Review | 3 | 24 February 2022 | N/A |

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| 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 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.