

Title	Conduct special inspection of track in a rail environment		
Level	4	Credits	5

Purpose	People credited with this unit standards are able to: prepare for special inspection of track; conduct special inspection of track; and report special inspection findings and complete documentation.
----------------	--

Classification	Rail Transport > Rail Infrastructure
-----------------------	--------------------------------------

Available grade	Achieved
------------------------	----------

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.
- 3 Definitions
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.
Special inspection refers to rail infrastructure inspections that are additional to any basic visual or detailed track inspection and focus on potential hazards triggered by an event, for example earthquake or adverse weather or heat.
- 4 Assessment information
 - a All activities and evidence must be in accordance with organisational procedures.
 - b A minimum of two types of special inspection must be demonstrated.

Outcomes and performance criteria

Outcome 1

Prepare for special inspection of track.

Performance criteria

- 1.1 Safety requirements are followed.
- Range personal protective equipment (PPE), tools and equipment, communication equipment.
- 1.2 Hazards are identified and control methods are implemented.
- Range may include but is not limited to – lone worker instructions, working at night, severe or adverse weather notifications.
- 1.3 Rail permission systems are followed.
- Range may include but is not limited to – track protection, permit, track access.
- 1.4 Inspection requirements are identified.
- 1.5 Essential features list is reviewed.
- 1.6 Resources required for the job are identified.
- Range may include but is not limited to – inspection documents, inspection equipment, safety equipment, personnel.

Outcome 2

Conduct special inspection of track.

Performance criteria

- 2.1 An inspection method appropriate for the conditions is employed to conduct track examinations for the identification of non-compliances.
- Range conditions may include but are not limited to – restricted areas, confined spaces, exposed conditions, day or night in all relevant environmental conditions.
- 2.2 Track is inspected, and non-compliances are identified.
- Range may include but is not limited to – obstructions, track geometry, ballast, structures, formation, temperature, drainage.
- 2.3 Action is taken to safeguard operation of the rail network.
- Range may include but is not limited to – setting up protection, speed restrictions, arranging for emergency repair, arranging subsequent inspection.

Outcome 3

Report special inspection findings and complete documentation.

Performance criteria

- 3.1 Inspection findings are reported.
- 3.2 Actions taken to safeguard operation of the rail network are reported to relevant personnel.
- 3.3 Documentation is completed.

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 February 2022	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 Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this assessment standard.