

Title	Maintain track in a rail environment		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to: prepare to maintain track; follow rail permission systems; maintain fastening or anchoring systems; maintain rail joints; and check work and complete documentation.
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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 the Health and Safety in Employment Act 1992, and Railways Act 2005.
- 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.
Work plan refers to instructions that may include: work/service order, verbal instruction, formal work plan.

Outcomes and performance criteria

Outcome 1

Prepare to maintain track.

Performance criteria

- 1.1 Safety requirements are identified in accordance with organisational procedures.
- 1.2 Work plan for track repair is received, interpreted, and followed in accordance with organisational procedures.

- 1.3 Work methods to be employed are identified in accordance with organisational procedures.

Range methods may be – manual, mechanical.

- 1.4 Tools and equipment are selected in accordance with work plan.

Range may include but is not limited to – mechanical handling/lifting equipment, track maintenance machines, hand/power tools, rail tensors, rail heaters, fastening equipment, cutting and boring equipment.

- 1.5 Materials are selected in accordance with work plan.

Range may include but is not limited to – fastenings, plates, rail anchors, bolts, nuts, washers, clips, shims.

Outcome 2

Follow rail permission systems.

Performance criteria

- 2.1 Track protection is established in accordance with organisational procedures.
- 2.2 Train movement information is accessed and interpreted in accordance with organisational procedures.
- 2.3 Permission to work or travel is obtained in accordance with organisational procedures.

Outcome 3

Maintain fastening or anchoring systems.

Performance criteria

- 3.1 Personal protective equipment (PPE) is used in accordance with organisational procedures.
- Range may include but is not limited to – high visibility clothing, hearing protection, gloves, sunscreen, sunglasses, safety glasses, insect repellent, safety headwear, safety footwear, portable radios, hand lamps, flags.
- 3.2 Fastening or anchoring systems are tightened or replaced in accordance with organisational procedures.
- 3.3 Where required, regauging is carried out using methods appropriate to sleeper type.

Outcome 4

Maintain rail joints.

Performance criteria

- 4.1 Personal protective equipment (PPE) is used in accordance with organisational procedures.
- Range may include but is not limited to – high visibility clothing, hearing protection, gloves, sunscreen, sunglasses, safety glasses, insect repellent, safety headwear, safety footwear, portable radios, hand lamps, flags.
- 4.2 Surfaces and component parts are checked in accordance with work plan.
- Range may include but is not limited to – insulation, lubrication, expansion gap, correct assembly to specification.
- 4.3 Component parts are replaced as required in accordance with organisational procedures.
- 4.4 Rail joints are adjusted to specifications in accordance with organisational procedures.

Outcome 5

Check work and complete documentation of track maintenance.

Performance criteria

- 5.1 Completed work is checked for compliance with work plan.
- 5.2 Documentation is completed in accordance with organisational procedures.

Replacement information	This unit standard was replaced by unit standard 33028.
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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	26 May 2003	31 December 2024
Review	2	21 November 2008	31 December 2024
Review	3	24 February 2022	31 December 2024

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>.

This unit standard is expiring