

Title	Undertake track ballast activities in a rail environment		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to: prepare to undertake track ballast activities; follow rail permission systems; undertake track ballast activities; 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 undertake track ballast activities.

Performance criteria

- 1.1 Safety requirements are identified in accordance with organisational procedures.

- 1.2 Work plan for the laying of track ballast is received, interpreted, and followed in accordance with organisational procedures.
- Range may include but is not limited to – removal of existing ballast, cleaning of existing ballast, type and amount of ballast to be used, loading and unloading of ballast.
- 1.3 Work methods to be employed are identified in accordance with organisational procedures.
- Range methods may be – manual, mechanical.
- 1.4 Underground services are identified and located in accordance with organisational procedures.
- Range may include but is not limited to – power, communications, gas, water.
- 1.5 Tools and equipment are selected in accordance with work plan.
- Range may include but is not limited to – front-end loaders, ballast wagons, road trucks, hand tools and small plant, on-track machinery, ballast sled, ballast cleaners, ballast regulators.
- 1.6 Ballast selected is appropriate in terms of type and amount in accordance with work plan.

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

Undertake track ballast activities.

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 Loading and unloading of ballast is conducted in accordance with organisational procedures.

3.3 Where necessary, existing ballast is removed, replaced, or cleaned in accordance with organisational procedures.

3.4 Where materials are removed, they are stored or disposed of in accordance with organisational procedures.

Range materials may be – reusable, unserviceable.

3.5 Ballast profile is established to meet track geometry requirements in accordance with organisational procedures.

Outcome 4

Check work and complete documentation of track ballast activities.

Performance criteria

4.1 Completed work is checked for compliance with work plan.

4.2 Documentation is completed in accordance with organisational procedures.

Replacement information	This unit standard was replaced by unit standard 33030.
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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