

Title	Install railway sleepers		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: describe railway sleeper installation or replacement methods; prepare to install or replace railway sleepers; undertake sleeper installation or replacement; and check work and complete documentation of sleeper installation or replacement.
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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
Health and Safety at Work Act 2015;
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 or service order, verbal instruction, formal work plan.
- 4 Assessment information
All activities and evidence must be in accordance with organisational procedures and work plan.

Outcomes and performance criteria

Outcome 1

Describe railway sleeper installation or replacement methods.

Performance criteria

1.1 Railway sleeper installation or replacement methods, and the differences between them, are described.

Range face, spot.

Outcome 2

Prepare to install or replace railway sleepers.

Performance criteria

2.1 Safety requirements are followed.

Range personal protective equipment, tools and equipment, communication equipment.

2.2 Rail permission systems are followed.

Range may include but is not limited to – track protection, permit, track access.

2.3 Installation method is identified.

Range may include – face, spot

2.4 Underground services are identified.

Range may include but is not limited to – power, communications, gas, water.

2.5 Tools and equipment pre-operational check is completed.

2.6 Sleepers are checked in terms of type and condition.

2.7 Rail to sleeper fastening systems are checked.

Range may include but is not limited to – dogspikes, screwspikes, rail clips.

Outcome 3

Undertake sleeper installation or replacement.

Performance criteria

3.1 Loading and unloading of sleepers is conducted.

3.2 Existing sleepers are extracted where necessary.

3.3 Removed materials are stored for reuse or disposed of.

3.4 Sleepers are placed.

3.5 Fastening systems are installed.

Outcome 4

Check work and complete documentation of sleeper installation or replacement.

Performance criteria

4.1 Completed work is checked.

4.2 Required documentation is completed.

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 2013
Review	2	21 November 2008	31 December 2023
Review	3	24 February 2022	N/A

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.