

Title	Prepare and install closure rail		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: prepare to install closure rail; undertake installation of closure rail; create joints for closure rail; install rail fastenings and adjust track parameters for closure rail; 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
Health and Safety at Work Act 2015;
Railways Act 2005.
- 3 Definitions
Closure rail refers to any rail less than 12.5 metres in length each.
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 and or service order, verbal instruction, formal work plan.
- 4 Assessment information
 - a All activities and evidence must be in accordance with organisational procedures and work plan.
 - b Installation and replacement of rail must cover a minimum of two closures.

Outcomes and performance criteria

Outcome 1

Prepare to install closure rail.

Performance criteria

1.1 Safety requirements are followed.

Range personal protective equipment (PPE), tools and equipment, communication equipment.

1.2 Rail permission systems are followed.

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

1.3 Tools and equipment pre-operational check is completed.

1.4 Rail is checked in terms of weight and length, and if required, rail wear.

1.5 Rail and sleeper fastening systems are checked.

Outcome 2

Undertake installation of closure rail.

Performance criteria

2.1 Loading and unloading of rails is conducted.

2.2 Measurements are taken.

Range may include but is not limited to – rail temperature, pop mark rail, cuts.

2.3 Rails are cut to required length.

2.4 Existing rail is unfastened and removed.

2.5 Where materials are removed, they are stored for reuse or disposed of.

2.6 Rail is lifted into place.

Outcome 3

Create joints for closure rail.

Performance criteria

3.1 Rail ends are bored or prepared for welding.

3.2 Rail joints are assembled.

3.3 Surfaces and component parts on bolted joints are checked.

Range may include but is not limited to – insulation, lubrication, expansion gap, track bonding.

Outcome 4

Install rail fastenings and adjust track parameters for closure rail.

Performance criteria

4.1 Fastening or anchoring systems are installed.

4.2 Track parameters are checked, and if required, adjusted.

Range may include but is not limited to – cant, top, alignment, gauge, pop mark.

Outcome 5

Check work and complete documentation for the installation of closure rail.

Performance criteria

5.1 Completed work is checked.

5.2 Required documentation is completed.

Replacement information	This unit standard replaced unit standard 19784.
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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	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.