

Title	Move rail vehicles using a shunt class or main line locomotive within yard limits		
Level	3	Credits	5

Purpose	People credited with this unit standard are, by using a shunt class or main line locomotive, able to: prepare for movement of rail service vehicles; move rail vehicles; and place and secure rail vehicles.
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Classification	Rail Transport > Rail Operations
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Available grade	Achieved
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Guidance Information

- 1 Recommended skills and knowledge for entry:
Unit 19281, *Perform core stationary shunting duties*.
- 2 Assessment against this unit standard must 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.
- 3 Legislation relevant to this unit standard includes the:
Health and Safety at Work Act 2015.
Railways Act 2005 and subsequent amendments.
- 4 Movement of rail vehicles as described in Guidance Information note 3 must occur under the following conditions:
 - rail sidings and dead-end roads within yard limits which include the entry to and exit from sheds;
 - the pushing and haulage of rail vehicles with the locomotive being operated in both directions;
 - daytime operation with clear visibility;
 - a total period of operation of at least 30 minutes and not exceeding one hour.
- 5 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.
Rail vehicle refers to any flanged wheeled vehicle which uses the railway line.
Site safety plan refers to a document that details specific train or shunting movements within a designated area.

Towing dead refers to a locomotive or railcar that is without power acting as a conventional rail wagon.

- 6 Assessment information
- a All activities and evidence must be in accordance with organisational procedures.
 - b Movement (shunting) of rail vehicles is a collaborative effort between the locomotive driver and the ground shunt crew. For the purposes of this unit standard, a qualified ground shunt crew member must be used during assessment.
 - c Operation of the locomotive must be via a driver operating from the cab of the locomotive as distinct from the use of a remote-control system.
 - d For the purposes of this unit standard, the pushing and haulage of rail vehicles will be restricted to the following:
 - i. no more than six rail freight wagons; or
 - ii. no more than six passenger carriages; or
 - iii. no more than two locomotives and/or railcars in a towing dead arrangement.

Outcomes and performance criteria

Outcome 1

Prepare for movement of rail vehicles using a shunt class or main line locomotive.

Performance criteria

- 1.1 Locomotive is prepared for shunting duties.
- Range locomotive checks, environment checks, safety checks.
- 1.2 Personal protective equipment are used.
- Range may include but is not limited to – footwear, high visibility clothing, hearing protection, hard hat.
- 1.3 Communication links are established between shunt crew members.
- Range one of – radio, verbal, hand signals.
- 1.4 Knowledge of actions to take in adverse conditions is determined and explained in advance of locomotive operation.
- Range may include but is not limited to – track condition, stopping distances, braking methods, rate of acceleration.

Outcome 2

Move rail vehicles using a shunt class or main line locomotive.

Performance criteria

- 2.1 Rail vehicle movement is consistent with the organisation's site safety plan.

Range may include but is not limited to – rough shunting avoided, rate of acceleration, emergency stop, service stop, train brake, locomotive brake.

2.2 Rail vehicle movement is ceased in the event of communication link being lost.

Outcome 3

Place and secure rail vehicles using a shunt class or main line locomotive.

Performance criteria

3.1 Rail vehicle placement is carried out in accordance with job requirements.

Range may include but is not limited to – vehicle placed to siding, vehicle lined up at discharged point, vehicle placed in correct marshalling order.

3.2 Locomotive and rail vehicles are secured.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 December 2001	31 December 2022
Review	2	23 May 2005	31 December 2022
Review	3	20 November 2009	31 December 2022
Review	4	29 April 2021	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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.