

Title	Perform manual operation of motor points for rail operations		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to: prepare for the manual operation of motor points; operate motor points manually; and perform manual points operation follow-up procedures.
----------------	---

Classification	Rail Transport > Rail Operations
-----------------------	----------------------------------

Available grade	Achieved
------------------------	----------

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:
Health and Safety at Work Act 2015.
Railways Act 2005 and subsequent amendments.
- 4 Range
Motor points relevant to this unit standard may include but are not limited to M5, M23A, TD 84M, and CTS-2;
evidence is required for the operation of at least two types of motor point.
- 5 Definitions
Motor points refer to both single motor and multiple motor points. For the purposes of this unit standard, evidence is required for the manual operation of multiple motor points, whether driven by two or more motors acting together or by a single motor with a system of lever rods.
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.
Signal box is any place where signal levers are fixed or, where no such levers are provided, the place where the safe working appliances are located.
Train Control is where the movements of all trains in a specified area are brought under the direction of a Train Control Officer.

6 Assessment information

All activities and evidence must be in accordance with organisational procedures.

Outcomes and performance criteria

Outcome 1

Prepare for the manual operation of motor points.

Performance criteria

- 1.1 Personal safety equipment is used.

Range	may include but is not limited to – footwear, high visibility clothing, hearing protection, hard hat.
-------	---
- 1.2 Manual operation is confirmed with Train Control and/or signal box.
- 1.3 Motor points are isolated from their power supply.
- 1.4 Motor points are visually checked for obstructions.
- 1.5 Any obstructions are cleared safely.

Outcome 2

Operate motor points manually.

Performance criteria

- 2.1 Points levers are manually operated.
- 2.2 Points are positioned in accordance with Train Control and/or signal box instructions.
- 2.3 Points are visually checked to ensure blades are in correct position for required train movement.
- 2.4 Motor points faults are reported.

Outcome 3

Perform manual points operation follow-up procedures.

Performance criteria

- 3.1 Points are reinstated or secured in current position in accordance with Train Control and/or signal box instructions.
- 3.2 Power supply is restored to motor points as directed by Train Control and/or signal box controller.

Planned review date	31 December 2025
----------------------------	------------------

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
--	------

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.