

<b>Title</b>	<b>Operate a two-way radio within a rail system</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to, within a rail system: demonstrate knowledge of two-way radio operations; transmit a two-way radio communication; and receive information using a two-way radio.
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<b>Classification</b>	Rail Transport > Rail Operations
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 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.
- 2 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015.  
Railways Act 2005 and subsequent amendments.
- 3 Definition  
*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.
- 4 Assessment information  
All activities and evidence must be in accordance with organisational procedures.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of two-way radio operations within a rail system.

#### Performance criteria

- 1.1 Phonetic alphabet terms used in two-way radio communications are identified.

- 1.2 Frequency or channel terminology is explained.
- Range may include but is not limited to – UHF, VHF E-band, simplex, interference.
- 1.3 Call signs are identified.
- Range may include but is not limited to – base, rail vehicle position and number, yard location.
- 1.4 Standard radio phrases used in two-way radio communications are identified.
- Range phrases may include but are not limited to – negative, affirmative, over, out, read back, roger, say again, standby, that is correct; evidence is required for at least five standard phrases.

## Outcome 2

Transmit a two-way radio communication within a rail system.

### Performance criteria

- 2.1 Radio function check and switch-on procedures are completed.
- 2.2 Frequency or channel is selected.
- 2.3 Sender and receiver call signs are confirmed before information is transmitted.
- 2.4 Information is transmitted using standard phrases.
- 2.5 Message is transmitted with clarity, and acknowledgement is sought from the receiver as required.
- 2.6 Transmission is terminated.

## Outcome 3

Receive information using a two-way radio within a rail system.

### Performance criteria

- 3.1 Radio function check and switch-on procedures are completed.
- 3.2 Frequency or channel selection is confirmed in accordance with regional specifications.
- 3.3 Sender and receiver call signs are confirmed before information is received.
- 3.4 Acknowledgements and confirmations are made as required during the transmission using standard phrases.
- 3.5 Transmission is terminated.

<b>Planned review date</b>	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

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.