

<b>Title</b>	<b>Demonstrate knowledge of railway signals</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of: fixed railway signals; train signals; hand railway signals; audible railway signals; and track worker signals.
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<b>Classification</b>	Rail Transport > Rail Core Skills
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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 the:  
Health and Safety at Work Act 2015.  
Railways Act 2005 and subsequent amendments.
- 3 Definitions  
*Fixed signals* refer to all categories of fixed signals and points indicators.  
*Locomotive whistle* refers to any audible warning device installed on motive power units.  
*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 Range  
Boards may include but are not limited to – notice boards, limit boards, shunt boards.
- 5 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 fixed railway signals.

**Performance criteria**

- 1.1 Types of fixed signals are explained in terms of their purpose and function.  
Range coloured-lights, mechanical signals.
- 1.2 Types of colour-light signals are differentiated in terms of design and purpose.  
Range may include but is not limited to – colour-light shunting signals, automatic running signals, multi-aspect lights, searchlight units, marker lights/disc, points indicator, boards.
- 1.3 Display aspects for the danger-stop signal are explained in terms of colour-light signals.  
Range shunting signals, automatic running signals.
- 1.4 Steps for reporting fixed signal failures and irregularities are explained.

**Outcome 2**

Demonstrate knowledge of train signals.

**Performance criteria**

- 2.1 Train headlight use is explained.
- 2.2 Train tail-light use is explained.

**Outcome 3**

Demonstrate knowledge of hand railway signals.

**Performance criteria**

- 3.1 Methods of giving hand signals are explained in terms of purpose and equipment.  
Range may include but is not limited to – flags, arms, lights.
- 3.2 Limitations of hand-signal use are explained in terms of restrictions stemming from the presence of fixed signal systems.
- 3.3 Hand signals for the danger-stop signal are demonstrated.  
Range may include but is not limited to – arms, flags, lights.

**Outcome 4**

Demonstrate knowledge of audible railway signals.

**Performance criteria**

- 4.1 Locomotive whistle signals are described in terms of number and description of whistles sounded and what they indicate.
- Range        general warning, apply brakes, set back, moving forward.
- 4.2 Detonator signals are explained in terms of purpose and function.
- 4.3 Security and safety considerations concerning the use of detonators are explained.

**Outcome 5**

Demonstrate knowledge of track worker signals.

**Performance criteria**

- 5.1 Track worker danger-stop signal is explained.

<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	14 December 2007	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.