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|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Operate communications systems, train and network equipment to enable service performance expectations to be met</b> |                |           |
| <b>Level</b> | <b>3</b>  | <b>Credits</b> | <b>15</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: operate communications systems, trains and network equipment used on the rail network to enable service performance expectations to be met; and explain service performance expectations. |
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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 Recommended skills and knowledge for entry:  
Unit standard 29378, *Demonstrate and apply knowledge of the rail operating environment and safety procedures*.
- 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 Definitions  
*Operator rules and procedures* refer to Rail Operating Rules, Procedures & Local Network Instructions; Rail Operating Code, and local bulletins or notices relevant to the task which may include local operating procedures, work site safety plans and standard operating procedures.  
*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 network* refers to the network managed by the party who is delegated to authorise the occupancy and movement of trains and other Rail Service Vehicles.  
*Service performance expectations* refer to the level of service stated in legislation and operator rules and procedures and communicated by company management and supervisors.

- 5 Assessment information
- a All activities and evidence must be in accordance with organisational procedures.
  - b The literacy and numeracy requirements of this unit standard require candidates to be able to read and interpret rail operator rules and procedures, communicate with passengers and other crew, interpret and comply with rail signage and warnings.

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## Outcomes and performance criteria

### Outcome 1

Operate communication systems used on the rail network.

#### Performance criteria

- 1.1 Telecommunication equipment is operated.
- Range must include a minimum of one of – radio; phone.
- 1.2 PA systems on board trains are operated.
- 1.3 The all clear or right of way signal is described and applied.

### Outcome 2

Explain service performance expectations and operate trains to enable service performance expectations to be met.

#### Performance criteria

- 2.1 Service performance expectations are explained.
- Range may include but is not limited to – timely running of services, assistance offered to passengers.
- 2.2 The service is managed to ensure performance expectations are met.
- 2.3 Carriages and associated equipment are operated.
- Range may include but not is limited to – doors, emergency door release, wheelchair ramps, lights; evidence is required for a minimum of four types of equipment.
- 2.4 Crowded trains are operated.

### Outcome 3

Operate network equipment used on the rail network.

**Performance criteria**

3.1 Signal & Interlocking diagram symbols and key features are identified for a specific operating area.

Range may include but is not limited to – motor points, station limits, platforms, level crossings, pedestrian crossings.

3.2 Points are manually operated.

Range evidence is required for three types of points.

3.3 Detonators are deployed as a warning device.

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| <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       | 18 February 2016 | 31 December 2022         |
| Review       | 2       | 29 April 2021    | N/A                      |

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| <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.