

**Field      Service Sector**

**Review of *Rail Transport* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Rail Transport	Rail Core Skills	18864, 19383, 19391, 19487, 24603, 27284-27286, 27554, 27555, 28012
	Rail Operations	18863, 18865, 18866, 18868, 18870, 18872, 18874, 19281-19283, 19286-19288, 19386, 19387, 19396, 19488, 28009-28011, 28013, 29374-29381

Competenz has completed the review of the unit standards listed above.

**Date new versions published**

**April 2021**

**Planned review date**

**December 2025**

**Summary**

These unit standards were reviewed between June and October 2020 as part of the qualification and programme review for rail qualifications.

This review was completed through face-to-face meetings, video and phone calls, and via email with a Technical Advisory Group (TAG) consisting of industry experts.

All feedback received prior to and during the review process were incorporated in consultation with the TAG. These units were endorsed for registration by the TAG in November 2020.

**Main changes**

- Guidance Information was updated across all unit standards, including legislation, definitions, references and assessment information.
- Unit standards 27284, 27286, and 19396 were designated expiring without replacement, due to low or no usage and no longer being required by the rail industry.
- Levels for unit standards 18864, 18865, 18868, 18870, 19288, and 28012 were increased to better reflect the level of skill and knowledge, and responsibility required by industry for learners who complete these unit standards.
- Credit values for unit standards 18865, 18870, 18872, 19282, 28013, 29376, and 29378 were increased to better reflect the time required to gain the skills and knowledge covered by these unit standards.
- Unit standards 18863, 18864, 18866, 18870, 19282, 19283, 19286, 19287, 19288, 19386, 29375, 29376, 29377 and 29380 have had adjustments made to their titles, to better reflect the outcomes contained in the standards.
- One new unit standard, 32383, was developed to cover the skills and knowledge required for those operating in a rail operations' centre. This development also supports a new qualification which includes these skills and knowledge.

**Category D unit standards will expire at the end of December 2021**

**The last date for assessment of superseded versions of Category B unit standards is December 2022**

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Service Sector > Rail Transport > Rail Core Skills

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
18864	Demonstrate basic knowledge of railway signals <b>Demonstrate knowledge of railway signals</b>	2 3	5	B
19383	Demonstrate knowledge of rail operator communication systems	2	2	B
19391	Demonstrate knowledge of safety procedures on a passenger rail vehicle	2	2	B
19487	Demonstrate knowledge of rail braking systems used in New Zealand	2	2	B
24603	Organise and conduct an emergency evacuation from a passenger rail vehicle	4	6	B
27284	Calculate fares, issue tickets, and accept payments in a rail passenger environment	2	4	D
27285	Use PA system to make announcements in a rail passenger environment	2	3	B
27286	Demonstrate knowledge of fare stages and fare types in a rail passenger environment	2	4	D
27554	Demonstrate basic knowledge of DC electric overhead traction systems	2	2	B
27555	Demonstrate basic knowledge of AC electric overhead traction systems	2	2	B
28012	Demonstrate knowledge of passenger rail transport services in New Zealand	2 3	5	B

Service Sector > Rail Transport > Rail Operations

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
18863	Service and operate a diesel-electric shunt class locomotive <b>Operate a diesel-electric shunt class locomotive</b>	3	5	B
18865	Operate hand points within a railway system	2 3	1 3	B
18866	Perform manual operation of lever-type motor points for rail operations <b>Perform manual operation of motor points for rail operations</b>	2	2	B
18868	Operate a two-way radio within a rail system	2 3	2	B
18870	Service and operate a diesel-electric main line locomotive <b>Operate a diesel-electric main line locomotive</b>	3 4	5 10	B
18872	Move rail vehicles using a shunt class or main line locomotive within yard limits	3	4 5	B
18874	Prepare for service and dead towing, identify and manage faults and shut down an electric multiple unit	4	10	B

ID	Title	Level	Credit	Review Category
19281	Perform core stationary shunting duties	2	2	B
19282	Perform freight and/or passenger train shunting duties <b>Perform train shunting duties</b>	3	8 <b>10</b>	B
19283	Perform freight train inspection <b>Perform train inspection</b>	3	10	B
19286	Demonstrate an advanced knowledge of railway signals <b>Demonstrate advanced knowledge of railway signals</b>	4	15	B
19287	Demonstrate knowledge of the Centralised Traffic Control (CTC) system for rail operations <b>Demonstrate knowledge of the Automatic Signalling Rules system for rail operations</b>	4	5	B
19288	Demonstrate knowledge of shunting terms, commands, and hand signals <b>Demonstrate and apply knowledge of shunting terms, commands, and hand signals</b>	2 <b>3</b>	2	B
19386	Drive an EMU on a main line managed by a network operator <b>Drive an electric multiple unit on a main line managed by a network operator</b>	4	18	B
19387	Haul a freight train on a network route using a main line locomotive	4	25	B
19396	Demonstrate knowledge of a double line automatic signalling (DLAS) system	4	5	D
19488	Demonstrate knowledge of rail network centres used to control the movement of rail vehicles	2	3	B
28009	Demonstrate knowledge of working procedures on a passenger rail vehicle	3	5	B
28010	Carry out duties of a train manager on a passenger rail vehicle	3	2	B
28011	Assist passengers with specific needs in a passenger rail service environment	3	5	B
28013	Demonstrate knowledge of and participate in the management of rail transport services provided for special events	3	4 <b>5</b>	B
29374	Obtain, interpret, and communicate information required for the safe and efficient operation of the train	3	5	B
29375	Interpret and comply with rules, running systems and procedures when applying professional standards to drive a train <b>Interpret and comply with rules, running systems and procedures and apply professional standards to drive a train</b>	4	15	B
29376	Maintain a safe and secure environment when working in or near the rail corridor <b>Maintain a safe and secure environment when working on or near the rail corridor</b>	3	9 <b>10</b>	B
29377	Apply detailed knowledge of features, distractions, working procedures and instructions when driving the train <b>Apply detailed knowledge of features, distractions, working procedures and instructions when driving a train</b>	4	10	B

ID	Title	Level	Credit	Review Category
29378	Demonstrate and apply knowledge of the rail operating environment and safety procedures	3	8 <b>10</b>	B
29379	Provide passengers with the information they require to complete their intended journey and manage customer complaints	2	2	B
29380	Operate communications systems, train and network equipment to ensure service performance expectations are met <b>Operate communications systems, train and network equipment to enable service performance expectations to be met</b>	3	15	B
29381	Respond to emergencies and maintain security of all people, trains and equipment on the rail network	3	9 <b>10</b>	B
<b>32383</b>	<b>Demonstrate and apply knowledge of rail operations' centre activities</b>	<b>3</b>	<b>10</b>	<b>New</b>