

FIELD SERVICE SECTOR**Review of *Rail Operations* unit standards**

Subfield	Domain	Id
Rail Transport	Rail Operations	18863,18865-18868,18870-18875,19279-19284,19286-19288,19382,19384-19390,19393-19397,19488,19509-19513,19667,19668

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

Date new versions published

November 2009

Planned review date

December 2014

Summary of review and consultation process

All unit standards in the *Rail Operations* domain were reviewed in preparation for a review of the National Certificate in Rail Transport (Level 2) [Ref: 0958], the National Certificate in Rail Operations (Locomotive Engineer) with strands in Network Freight Train, Network Passenger Train, and Network Multiple Unit/Railcar (Level 3 or 4 depending on strand) [Ref: 1109] and the National Certificate in Rail Infrastructure (Level 3) [Ref: 1112] planned for 2009 and 2010.

The review of unit standards included obtaining feedback from all the stakeholders through a questionnaire, and reviewing the feedback and comments recorded in the Competenz database since the standards were registered. The review was undertaken by the Qualification Advisory Group comprised of experts in the rail industry. The changes made to the unit standards were endorsed by the Qualification Advisory Group at meetings held on 25 May 2007, 7 June 2007, and by email correspondence.

Main changes resulting from the review

- Special notes edited and modified where required to ensure consistency, to better convey assessment parameters, and to update references to legislation.
- Range statements updated.
- Entry information revised to reflect the current unit standards and added/deleted prerequisites.
- Titles of some unit standards amended to align with the changes to the elements and/or to ensure transparent relationship to the domain.

Unit standards categorised as category D expire at the end of December 2011.

Impact on existing qualifications

Qualifications that contain the reviewed standards are tabled below.

Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Competenz qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification
National Certificate in Rail Infrastructure (Level 3) [Ref: 1112]	19488
National Certificate in Rail Operations (Locomotive Engineer) with strands in Network Freight Train, Network Passenger Train, and Network Multiple Unit/Railcar (Level 3 or 4) [Ref: 1109]	18866, 18867, 18871, 18872, 19282, 19384

Review Categories and changes to classification, title, level and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
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
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Subfield Rail Transport
Domain Rail Operations

Id	Title	Level	Credit	Review Category
18863	Service and operate a diesel-electric shunt class locomotive	3	5	B
18865	Operate hand points within a railway system	2	1	B
18866	Perform manual operation of lever-type motor points Perform manual operation of lever-type motor points for rail operations	2	2	B
18867	Perform manual operation of crank-handle type motor points Perform manual operation of crank-handle type motor points for rail operations	2	2	B
18868	Operate a two-way radio within a rail system	2	2	B
18870	Service and operate a diesel-electric main line locomotive	3	5	B
18871	Service and operate a diesel shunt class locomotive Service and operate a diesel-mechanical and/or hydraulic shunt class locomotive	3	4	B

Id	Title	Level	Credit	Review Category
18872	Move rail service vehicles using a shunt class or main line locomotive within yard limits Move rail vehicles using a shunt class or main line locomotive within yard limits	3	4	B
18873	Service and operate an electric main line locomotive	3	5	B
18874	Service and operate an electric multiple unit	3	5	B
18875	Service and operate a diesel-mechanical railcar Service and operate a diesel-mechanical railcar/multiple unit	3	5	B
19279	Haul a passenger train on a main line managed by a heritage site operator	4	9	B
19280	Prepare and move rail service vehicles using a rubber-tyred tractor Prepare and move rail vehicles using a rubber-tyred tractor	2	2	B
19281	Perform core stationary shunting duties	2	2	B
19282	Perform freight and passenger train shunting duties Perform freight and/or passenger train shunting duties	3	8	B
19283	Perform freight train inspection	3	10	B
19284	Perform passenger train inspection	3	8	B
19286	Demonstrate an advanced knowledge of railway signals	4	15	B
19287	Demonstrate knowledge of the Centralised Traffic Control (CTC) system Demonstrate knowledge of the Centralised Traffic Control (CTC) system for rail operations	4	5	B
19288	Demonstrate knowledge of shunting terms, commands, and hand signals	2	2	B
19382	Direct rail traffic movements by operating a local control panel	2	2	D
19384	Operate a diesel-mechanical railcar on a main line managed by a network operator Operate a diesel-mechanical/hydraulic railcar/multiple unit on a main line managed by a network operator	4	10	B
19385	Operate a diesel-mechanical railcar on a main line managed by a heritage site operator	4	8	D
19386	Operate an electric multiple-unit on a main line managed by a network operator Operate an electric multiple unit on a main line managed by a network operator	4	10	B
19387	Haul a freight train on a network route using a main line locomotive	4	25	B
19388	Haul a passenger train on a network route using a main line locomotive	4	15	B
19389	Service and operate a diesel-electric railcar	3	5	B

Id	Title	Level	Credit	Review Category
19390	Operate a diesel-electric railcar on a main line managed by a network operator	4	10	B
19393	Operate a diesel-electric locomotive to move rail service vehicles using a remote control system Operate a diesel-electric locomotive to move rail vehicles using a remote control system	3	8	B
19394	Demonstrate knowledge of a track warrant control (TWC) system	4	6	B
19395	Demonstrate knowledge of a single line automatic signalling (SLAS) system	4	5	B
19396	Demonstrate knowledge of a double line automatic signalling (DLAS) system	4	5	B
19397	Demonstrate knowledge of a train order control system	4	3	D
19488	Demonstrate knowledge of rail network centres used to control the movement of rail service vehicles Demonstrate knowledge of rail network centres used to control the movement of rail vehicles	2	3	B
19509	Control rail movements using a signal box	4	8	B
19510	Demonstrate knowledge of working procedures on a multiple unit Demonstrate knowledge and use of working procedures on a multiple unit	3	4	B
19511	Demonstrate knowledge of working procedures on scenic carriage rolling stock Demonstrate knowledge and use of working procedures on 'S' Series carriage rolling stock	3	4	B
19512	Demonstrate knowledge of working procedures on standard carriage rolling stock Demonstrate knowledge and use of working procedures on standard carriage rolling stock	3	4	B
19513	Demonstrate knowledge of working procedures on a railcar Demonstrate knowledge and use of working procedures on a railcar	3	4	B
19667	Control rail movements on a local rail corridor using a safe working system	4	12	B
19668	Arrange and authorise rail corridor exceptions on a network route	5	8	B