Operate on-track self-propelled equipment in a rail environment

Level 3
Credits 2

Purpose
People credited with this unit standard are able to: perform pre-operational equipment checks; follow rail permission systems; operate on-track self-propelled equipment; and perform post-operational procedures and complete related documentation.

Subfield Rail Transport

Domain Rail Infrastructure

Status Registered

Status date 21 November 2008

Date version published 21 November 2008

Planned review date 31 December 2013

Entry information
Recommended: Unit 19779, Operate under track protection rules in a rail environment; or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0013
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes
1 Assessment against this unit standard is to 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 in Employment Act 1992, and Railways Act 2005.

3 Competence is to be demonstrated on at least one trolley or hi-rail vehicle.
Candidates must hold a minimum of the class of licence required for the vehicle being driven and comply with the requirements of the Land Transport (Driver Licensing) Rule 1999.

Definitions
Organisational procedures refer to documents that include: worksite rules, codes, and practices; equipment operating instructions; documented quality management systems; and health and safety requirements.
Trolley refers to a trolley used for the conveyance of staff, material and tools which can be readily removed from the track by not more than two persons.
Hi-rail vehicle (HRV) refers to a road vehicle not exceeding an unladen weight of 20 tonnes which is fitted with rail trolleys such that it can be driven along the track and can also be driven on or off track at level crossings or other suitable places.
Relevant personnel refers to personnel who should be consulted withreported to in accordance with organisational procedures. This may include but is not limited to: supervisor, site manager, signal operator, train controller.

Elements and performance criteria

Element 1
Perform pre-operational equipment checks of on-track self-propelled equipment.

Performance criteria

1.1 Basic pre-operational equipment checks are performed in accordance with organisational procedures.
Range may include but is not limited to – equipment defects, lubrication, power or fuel levels, tyre pressure, pay load, security of loadings.

1.2 Signalling equipment and warning devices are checked in accordance with organisational procedures.

1.3 Deficiencies with equipment and warning devices are identified and rectified or reported in accordance with organisational procedures.

1.4 Documentation is completed in accordance with organisational procedures.

Element 2
Follow rail permission systems.

Performance criteria

2.1 Track protection is established in accordance with organisational procedures.

2.2 Train movement information is accessed and interpreted in accordance with organisational procedures.
2.3 Permission to work or travel is obtained in accordance with organisational procedures.

**Element 3**

Operate on-track self-propelled equipment.

**Performance criteria**

3.1 Personal protective equipment (PPE) is used in accordance with organisational procedures.

Range may include but is not limited to – high visibility clothing, hearing protection, gloves, sunscreen, sunglasses, safety glasses, insect repellent, safety headwear, safety footwear, portable radios, hand lamps, flags.

3.2 Equipment is operated in accordance with organisational procedures.

3.3 Equipment is operated with consideration to track characteristics and environmental conditions.

Range may include but is not limited to – current terrain, speed restrictions, condition of track, presence of track maintenance workers, weather condition.

3.4 Equipment warning devices are monitored en-route in accordance with organisational procedures.

Range may include but is not limited to – warning lights, pressure gauges.

3.5 Communications with relevant personnel are made in accordance with job requirements and organisational procedures.

**Element 4**

Perform post-operational equipment procedures on on-track self-propelled equipment.

**Performance criteria**

4.1 Equipment is shut down and secured in accordance with organisational procedures.

4.2 Post-operational equipment checks are performed in accordance with organisational procedures.

Range may include but is not limited to – equipment defects, maintenance requirements.

4.3 Deficiencies with equipment are identified and rectified or reported in accordance with organisational procedures.
4.4 Documentation is completed in accordance with organisational procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.