

Title	Demonstrate knowledge of the self-supervision requirements for overweight vehicles crossing bridges		
Level	4	Credits	4

Purpose	<p>This unit standard is for people who wish to self-supervise when crossing identified bridges with overweight vehicles as required by New Zealand Transport Agency’s (NZTA) Overweight Permit Self Supervision special conditions.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of overweight permits for overweight vehicles; identify the location of the vehicle on the trip route and the location of bridges using road and bridge location markers; and demonstrate knowledge of supervision of overweight vehicles when crossing bridges.</p>
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Classification	Commercial Road Transport > Heavy Haulage
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Available grade	Achieved
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Explanatory notes

- 1 Credit for this unit standard may be used as evidence to support application for a candidate to be a NZTA BESS (Bridge Engineering Self Supervision) approved driver.
- 2 Legal requirements relevant to this unit standard include:
 Health and Safety in Employment Act 1992;
 Land Transport Act 1998;
 Transport Act 1962;
 Traffic Regulations 1976;
 Land Transport (Road User) Rule 2004;
 Land Transport Rule: Heavy Vehicles 2004;
 Land Transport Rule: Traffic Control Devices 2004;
 Land Transport Rule: Vehicle Dimensions and Mass 2002.
- 2 Any new, amended, or replacement Acts, regulations, Rules, standards, codes of practice, or NZTA requirements or conditions affecting the outcomes of this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 3 References

The *Industry Code of Practice for Traffic Control at Bridges Being Crossed by Overweight Vehicles*, available from the New Zealand Heavy Haulage Association (Inc.) at <http://www.hha.org.nz/shop?product=63>;

Load Pilot Driver Code ISBN 9780478334470 available at <http://www.nzta.govt.nz/resources/load-pilot-driver-code/>;

The *Official New Zealand Road Code for Heavy Vehicle Drivers* ISBN 9780478407969, available from booksellers and at <http://www.nzta.govt.nz/resources/roadcode/heavy-vehicle-road-code/>;

The *NZTA Vehicle dimension and mass permitting manual (VDAM)* ISBN 9780478445015, available at <http://www.nzta.govt.nz/resources/vehicle-dimension-and-mass-permitting-manual/>

The *NZTA Overdimension vehicle route maps (OCRM)* ISBN 0478047266, available at <http://www.nzta.govt.nz/resources/overdimen-veh-route-maps/>;

The *NZTA Overweight permit route maps (OPRM)* ISBN 0478041136, available at <http://www.nzta.govt.nz/resources/overweight-permit-route-maps/>;

The *BESS Quick Guide*, available at <https://mito.org.nz/resources/>.

4 Definitions

A *bridge* is a structure designed to carry a road or path over an obstruction (such as a river, road, or rail line) by spanning it and includes culverts with a waterway area greater than 3.4m² and stock underpasses;

The Industry Code of Practice is the *Industry Code of Practice for Traffic Control at Bridges Being Crossed by Overweight Vehicles*;

Organisational requirements include any legal requirements, standards, codes of practice, organisational and/or site requirements, industry best practice, and manufacturers' instructions. These must be available to candidates, providers, and assessors;

OPRM refers to the *NZTA Overweight Permit Route Maps*;

OVRM refers to the *NZTA Overdimension vehicle route maps*;

RCA means Road Controlling Authority, which is the authority, body or persons having control of the road;

The *Road Code* is The Official New Zealand Road Code for Heavy Vehicle Drivers;

VDAM refers to the *NZTA Vehicle dimension and mass permitting manual*.

5 For the purposes of assessment, candidates will be supplied with a scenario outlining a specified trip route. The scenario will be based on a 'single trip' NZTA overweight permit.

6 During assessment against this unit standard, a candidate may have access to the following documents and aids:

a calculator;

The Industry Code of Practice;

VDAM;

The *BESS Quick Guide*.

7 Assessment materials

All assessors are encouraged to use assessment material developed by NZ Motor Industry Training Organisation (Incorporated). This material is available on order from <https://mito.org.nz/resources/>. Self-developed assessment material for this unit standard must be pre-approved by NZ Motor Industry Training Organisation (Incorporated), and endorsed by NZTA. Please refer to CMR 0092 for further details.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of overweight permits for overweight vehicles.

Evidence requirements

- 1.1 Key information is located in an overweight permit relating to a specified trip.
- Range registration number of vehicle, type of permit, travel dates, described route, mass limits of the vehicle and load, route structures, relevant restrictions as to position and speed of vehicle for specified bridges.
- 1.2 The use of overweight permits is described in terms of the general conditions outlined in the VDAM.
- Range conditions for production on demand and carriage of permit, conditions imposed by RCAs, types of road covered by the permit, transferability of an overweight vehicle permit.
- 1.3 Overweight permits are described in terms of insurance coverage and liability.
- 1.4 Overweight permits are described in terms of requirements for crossing bridges not listed on the permit, local authority roads, and railway level crossings.

Outcome 2

Identify the location of the vehicle on a trip route and the location of bridges using road and bridge location markers.

Evidence requirements

- 2.1 Information available on state highways to establish vehicle location is identified.
- Range reference stations (RS), kilometre marker posts (KMP), bridge abutment signs, established route positions (ERP).
- 2.2 Vehicle location on the route is identified by reference stations (RS) and route position (RP) markers, and the position of RS and RP markers and symbols on the road is described.
- 2.3 The location of bridges on a route map is described in terms of information provided on an overweight permit.
- Range route position, bridge name, distance between consecutive bridges; a minimum of three bridges is required.

2.4 Bridges are located on a map by reference to OPRM and attachments to the overweight permit.

Range a minimum of three bridges are required.

Outcome 3

Demonstrate knowledge of supervision of overweight vehicles when crossing bridges.

Evidence requirements

3.1 Supervision of overweight vehicles when crossing bridges is described in terms of the requirements of external bridge supervisors.

Range authorisation, timing for their notification, information required to be provided, rendezvous with bridge supervisors.

3.2 Self-supervision of overweight vehicles when crossing bridges is described in terms of the VDAM.

Range crossing position – central on beam, own lane, offset by specified distance from nearside kerb;
 speed restrictions – crawl, 20 km/h, 50 km/h;
 separation distance required from other heavy motor vehicles.

3.3 The requirements and procedures to follow for traffic control when self-supervising overweight vehicles crossing bridges are described.

Range requirements – Overweight Permit;
 procedures – Industry Code of Practice.

3.4 Requirements to be met by a driver for BESS registration are described.

3.5 Breaches of bridge engineering supervision requirements and non-compliance with overweight permit conditions are described in terms of the VDAM.

Range major breach, minor breach, consequences of driver non-compliance.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2006	31 December 2017
Review	2	25 February 2008	31 December 2017
Review	3	16 July 2015	N/A

Consent and Moderation Requirements (CMR) reference	0092
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR 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 the NZ Motor Industry Training Organisation (Incorporated) (MITO) info@mito.org.nz if you wish to suggest changes to the content of this unit standard.