

<b>Title</b>	<b>Pilot an overweight load and an overdimension load as a Class 2 certified pilot</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare for piloting a trip as a Class 2 pilot; manage route hazards and provide warnings as a Class 2 pilot; direct and communicate with other traffic as a Class 2 pilot; carry out post-trip duties as a Class 2 pilot; and describe procedures to follow in the event of accident and emergency.
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<b>Classification</b>	Commercial Road Transport > Heavy Haulage
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Candidates must hold the minimum of the class of driver licence required for the pilot vehicle being driven.
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations, and/or industry standards relevant to this unit standard include but are not limited to:
  - Health and Safety at Work Act 2015;
  - Heavy Motor Vehicle Regulations 1974;
  - Land Transport Act 1998;
  - 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 2016 (*the Rule*); and any subsequent amendments and replacements.
- 3 Any new, amended, or replacement Acts, regulations, Rules, standards, codes of practice, New Zealand Transport Agency (NZTA) requirements or conditions affecting the outcomes of this unit standard will take precedence for assessment purposes, pending review of this unit standard.

## 4 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 <https://www.hha.org.nz/shop/checklists-and-logbooks>;

Information relating to permits required for crossing the railway line with over height, over width, over weight, or long loads, available at <https://www.kiwirail.co.nz/how-can-we-help/access-the-rail-corridor/over-sized-loads/>;

Information in The Official New Zealand Road Code for Heavy Vehicle Drivers relating to safety at level crossings, available at <http://www.nzta.govt.nz/resources/roadcode/heavy-vehicle-road-code/about-driving/giving-way-at-railway-level-crossings.html>;

*Land Transport Rule: Traffic Control Devices 2004*, Section 11.7, available at <http://www.nzta.govt.nz/resources/rules/traffic-control-devices-index.html>;

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

The *NZTA Vehicle dimension and mass permitting manual (VDAM)* ISBN 978-1-98-851243-3 (set), available at <http://www.nzta.govt.nz/resources/vehicle-dimension-and-mass-permitting-manual/>;

The *NZTA Overdimension vehicle route maps (OVRM)* 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/>.

## 5 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 3.4m<sup>2</sup> and stock underpasses;

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

*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements;

A *choke-point* is a point on the road network that requires special attention; for example, a road with a narrow restriction where oncoming vehicles must be stopped to allow an oversize vehicle to pass;

The *operator* is the driver of the heavy haulage vehicle that is being piloted;

*Road furniture* is pedestrian refuges, power poles, stop and give-way signs, street signs, telephone poles, threshold signs, traffic control signs such as traffic lights, and any other items that are positioned on or near a road and that need to be considered by an operator in relation to an overdimension load vehicle fitting the route.

6 Checking the dimensions of the load against the load category or permits issued to move the load is the legal responsibility of the operator or on-road supervisor.

7 Assessment against this unit standard must be conducted under practical workplace conditions. Assessment may be conducted for a load which is both overweight and overdimension.

8 On attaining this unit standard and receiving an NZTA course completion certificate the candidate may then apply to the NZTA Overdimension Permits Contact Centre for a Class 2 Load Pilot Certificate.

- 9 It is recommended that people first hold credit for Unit 1732, *Select and record routes as a road transport operator*, before being assessed against this unit standard.

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## Outcomes and performance criteria

### Outcome 1

Prepare for piloting a trip as a Class 2 pilot.

#### Performance criteria

- 1.1 The route planned by the operator is confirmed, and points of piloting interest are noted in accordance with the primary legal duty of a pilot as laid down in the Rule.
- Range bridge crossings, choke-points, manoeuvre points, overhead wires and other overhead obstructions, railway line level crossings, road conditions, road furniture, road works, route position markers, safe park areas traffic control.
- 1.2 The dimensions of the load are checked, to ensure the legal requirements for Class 2 piloting are not exceeded.
- Range load category or permit issued to move the load.
- 1.3 The pilot vehicle is checked to be in accordance with the Rule for a Class 2 pilot vehicle.
- may include – wheel rim diameter, gross vehicle mass, manoeuvrability, towing or carrying restrictions.
- 1.4 Pilot vehicle equipment is checked to be operational.
- Range Rule requirements include – pilot vehicle lighting, radio and telephone communication equipment, pilot vehicle door and warning signs;  
equipment may include – first aid equipment, fire extinguisher, measuring equipment, traffic control and warning equipment.
- 1.5 A pre-start check of the pilot vehicle is carried out.
- 1.6 Personal protective equipment and traffic control clothing is checked to be available and accessible.
- Range may include – reflectorised vests and jerkins, white gloves, safety footwear.

1.7 Trip procedure is agreed with the operator or road supervisor and any other pilots in accordance with the Rule and load permits.

Range Rule and load permit requirements include – communications, prohibited travel timings; trip procedures include – driver hours, foreseeable contingencies, order of convoy vehicles, routing, speeds.

1.8 The operator is assisted with the notification to permit issuing authorities of overdimension travel in accordance with load movement permit conditions.

## Outcome 2

Manage route hazards and provide warnings as a Class 2 pilot.

### Performance criteria

- 2.1 Vehicle warning signs, flags, lights, and traffic control equipment are displayed and operated in accordance with the Rule.
- 2.2 The positioning and speed of the pilot vehicle in advance of the load vehicle are maintained in accordance with the Rule and the Bridge Crossing Code of Practice, when acting as a front pilot.
- 2.3 The positioning and speed of the pilot vehicle in relation to the load vehicle are maintained in accordance with the Rule and the Bridge Crossing Code of Practice, when acting as a rear pilot.
- 2.4 Actions taken to manage hazards and provide warnings to approaching traffic are communicated in time for the actions to be undertaken safely and are in accordance with the Rule.
- 2.5 Provision of warning and instructions to other road users and the public are communicated in time for any actions to be undertaken safely and are in accordance with the Rule.
- 2.6 Radio communication with the operator and other pilots is carried out in accordance with the Rule.

## Outcome 3

Direct and communicate with other traffic as a Class 2 pilot.

### Performance criteria

- 3.1 Traffic is directed from the road and the pilot vehicle in accordance with the Rule.

- 3.2 Traffic control equipment is used to direct traffic from the road.
- Range may include – hand signals, flags, loud speaker, road cones, road flares, safety hazard triangles, STOP/SLOW paddles, torch fitted with a red cone, vehicle sound warning device.
- 3.3 Personal protective equipment and traffic control clothing is worn.
- Range reflectorised vests and jerkins, white gloves, safety footwear.
- 3.4 Communication concerning delays or other matters to do with the oversize load is carried out.
- Range may include – emergency services, road users including other oversize loads, the public.
- 3.5 Traffic control at bridges being crossed by overweight vehicles is carried out in accordance with NZTA permit requirements.

#### Outcome 4

Carry out post-trip duties as a Class 2 pilot.

#### Performance criteria

- 4.1 The load is checked as being safely off the road.
- 4.2 Warning lights are turned off and warning signs removed in accordance with the Rule.
- 4.3 Documentation is completed.

#### Outcome 5

Describe procedures to follow in the event of accident and emergency as a Class 2 pilot.

#### Performance criteria

- 5.1 Procedures used in the event of an accident are described.
- 5.2 Procedures used in the event of an emergency are described.

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<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	9 April 1996	31 December 2017
Revision	2	12 May 1999	31 December 2017
Review	3	21 September 2007	31 December 2017
Revision	4	21 January 2011	31 December 2017
Review	5	16 July 2015	31 December 2021
Review	6	26 September 2019	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.