

Title	Transport by road a piloted, overweight, Category 3 or above overdimension load that requires a permit		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: prepare to transport a piloted, specified overweight and overdimension load of Category 3 or above classification; prepare a specified overweight and overdimension vehicle and load of Category 3 or above classification for transport; drive a vehicle carrying a specified overweight and overdimension load of Category 3 or above classification; deliver a specified overweight and overdimension load of Category 3 or above classification; and carry out post-trip duties.
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Classification	Commercial Road Transport > Heavy Haulage
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Available grade	Achieved
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Prerequisites	<p>Drivers must hold a class of licence and/or endorsement appropriate to the weight and configuration of the vehicle being driven and equipment being loaded or unloaded.</p> <p>Unit 23886, <i>Transport by road overweight and overdimension loads that do not require a pilot or overdimension permit</i>, and Unit 23890, <i>Describe overweight and overdimension vehicle dynamics for safe driving</i>, or demonstrate equivalent knowledge and skills.</p>
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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 the:
 - Health and Safety at Work Act 2015;
 - Heavy Motor Vehicle Regulations 1974;
 - Land Transport Act 1998;
 - Land Transport (Driver Licensing) Rule 1999;
 - Land Transport (Driver Licensing) Amendment Rule 2006;
 - Land Transport Rule: Heavy Vehicles 2004;
 - Land Transport (Road User) Rule 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 requirements or conditions affecting the outcome 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 from the New Zealand Railways Corporation KiwiRail website at <https://www.kiwirail.co.nz/how-can-we-help/access-the-rail-corridor/over-sized-loads/>;
- Information relating to safety at level crossings, available from the New Zealand Railways Corporation KiwiRail website at <https://www.kiwirail.co.nz/>;
- Official New Zealand Truck Loading Code – Code of Practice for the Safety of Loads on Heavy Vehicles* (current edition), available from booksellers;
- The *Official New Zealand Road Code for Heavy Vehicle Drivers (the Road Code)*(current edition), available from booksellers;
- Roadside Inspection Guidelines for Heavy Vehicles* available at <https://www.nzta.govt.nz/assets/resources/roadside-inspection-guide-heavy-vehicles/docs/roadside-inspection-guidelines-heavy-vehicles.pdf>;
- 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 Overweight Permit Route Maps SP/M/032* Version 2: 2004, the *NZTA Overdimension Vehicle Route Maps SP/M/017* Issue 1 (Amended November 2007), and NZTA forms NZTA 803 and NZTA 804 are available for download and/or hardcopy order from the NZTA website <http://nzta.govt.nz/assets/Commercial-Driving/Overweight-Permit-Application-Form.PDF>.
- 5 Definitions
- BESS* means NZTA policy on Bridge Engineering Self Supervision, as contained in the VDAM manual;
- 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 (adapted from NZTA);
- 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 past;
- 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;
- RCA* refers to Road Controlling Authority, which is the authority, body or persons having control of the road;
- 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;

RUC means Road User Charges;

A *vehicle* may be a single vehicle or a combination vehicle.

- 6 Assessment against this unit standard must be conducted under practical workplace conditions. For the purposes of assessment, the load must be a minimum of Category 3 overdimension load.

Outcomes and performance criteria

Outcome 1

Prepare to transport a piloted, specified overweight and overdimension load of Category 3 or above classification.

Performance criteria

- 1.1 Equipment carried on the vehicle is checked to be in accordance with any certification requirements, and is operational.
- Range first aid equipment, fire extinguisher, load security equipment, measuring equipment, lighting, overheight load skidding, radio communication equipment, hazard warning panels, oversize signs.
- 1.2 A pre-load check of the vehicle is carried out in accordance with Roadside Inspection Guidelines for Heavy Vehicles.
- 1.3 Documentation is checked and trip arrangements are confirmed in accordance with the Rule and the VDAM Permit Manual.
- Range Rule requirements include – formal approvals; VDAM Permit Manual requirements include BESS registration, bridge supervisor, and driver’s responsibilities; company requirements include – driver logbook, haul route, loading and unloading site(s) access, Overdimension Vehicle Route Maps, Overweight Permit Route Maps, permits (overdimension, power, rail, telecommunications providers, cable TV, and RCA), special instructions, additional RUCs.
- 1.4 The on-road supervisor is designated and the planned route is confirmed with trip pilot(s).
- Range bridge crossings, cables, choke-points, manoeuvre points, overhead structures, wires and cables, road conditions, road furniture, road works, route position markers, safe park areas, traffic control, utility conductors.

1.5 Pilot(s) are briefed on trip procedures and necessary permits.

Range bridge crossing procedures, radio communications, driver hours, foreseeable contingencies, off road parking, use of opposing lane procedures, prohibited travel timings, railway line level crossing procedures, rest areas, round-about procedures, routing, specific trip instructions, speeds.

1.6 Pilot(s) are briefed on methods to respond to contingencies en route.

Range contingencies include – accidents, mechanical faults, route detours, stationary vehicles, stopping oncoming traffic, traffic backed up, weather.

Outcome 2

Prepare a specified overweight and overdimension vehicle and load of Category 3 or above classification for transport.

Performance criteria

2.1 The loading site is confirmed as safe and accessible before driving the vehicle onto the site and positioned.

2.2 The load is positioned on the vehicle so its centre of gravity is within the tolerance of the vehicle's axle loading in accordance with the VDAM Manual and the Rule.

2.3 Loading operations are safe and meet customer requirements.

2.4 The load is secured to prevent movement during transit in accordance with the Truck Loading Code.

Range certified and rated cargo restraints, chains and twitches; load chocks and support equipment; straps and ratchets; vehicle tie down locations and fittings.

2.5 The vehicle and load are safely prepared and are in accordance with the Rule.

Range Rule requirements includes– signage, lighting, hazard panels, on-road supervisor responsibilities; company requirements includes – mirrors, warning devices, overheight load skidding, loose dirt or stones on trailer deck or equipment, rocks in dual wheels, loose items on load, tyre inflation.

Outcome 3

Drive a vehicle carrying a specified overweight and overdimension load of Category 3 or above classification.

Performance criteria

3.1 The speed and position of the vehicle while being driven on the road is in accordance with the Road Code, and any conditions of a permit if required.

3.2 The vehicle's variable height systems (if fitted) are adjusted whilst driving.

3.3 Bridge crossing supervision, railway line crossing, travel times, overheight obstructions and periodically monitoring load safety is carried out during the journey in accordance with the Rule, the VDAM Permit Manual

3.4 Action to manage hazards whilst driving are carried out.

Range bridges, choke-points, emergency situations, overhead obstructions, road conditions, road furniture, traffic, weather conditions (e.g. fog, ice, rain, snow, wind).

3.5 The trip pilot(s) are communicated with in accordance with the Rule.

Range hazards, load vehicle manoeuvring, positioning and re-positioning of the load vehicle in relation to other vehicles in the convoy, passing traffic, requirements to stop, speed of the load vehicle, agreed trip procedures, vehicles leaving and joining the convoy.

3.6 Warnings to other road users and the public are provided.

3.7 The vehicle is manoeuvred, started, and stopped.

Outcome 4

Deliver a specified overweight and overdimension load of Category 3 or above classification.

Performance criteria

4.1 The site is verified as correct, and any delivery difficulties are identified and resolved, in accordance with delivery instructions.

4.2 Trip pilot(s) are communicated with regarding implementing traffic control and management procedures, and may include laying ground protection.

4.3 The vehicle is positioned and parked safely.

4.4 Unloading procedures are followed in accordance with safety and site requirements.

Range without injury to people and/or damage to the load, vehicle, equipment or property.

Outcome 5

Carry out post-trip duties.

Performance criteria

- 5.1 The load is checked as being safely off the road.
- 5.2 Warning lights are turned off and warning signs and hazard warning panels are removed.
- 5.3 The vehicle combination is returned to the smallest dimension practicable for unladen travel in accordance with the Rule.
- 5.4 Documentation is completed.
- 5.5 Requirements are followed when returning the vehicle in accordance with the Rule.

Replacement information	This unit standard and unit standard 23886 replaced unit standard 1766.
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Planned review date	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	21 September 2007	31 December 2021
Review	2	26 September 2019	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 if you wish to suggest changes to the content of this unit standard.