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.

Classification	Commercial Road Transport > Heavy Haulage

Available grade	Achieved

Prerequisites	Drivers must hold a current full driver licence and/or endorsement appropriate to the class of vehicle being driven and equipment being loaded or unloaded.

Guidance Information

1 Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:

- Health and Safety at Work Act 2015;
- Land Transport Act 1998;
- Heavy Motor Vehicle Regulations 1974;
- 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;
- Waka Kotahi New Zealand Transport Agency (NZTA). (current edition). *The Official New Zealand Truck Loading Code – Code of Practice for the Safety of Loads on Heavy Vehicles.* Available from: https://nzta.govt.nz/roadcode/;
- Waka Kotahi New Zealand Transport Agency (current edition). *The Official New Zealand Road Code for Heavy Vehicle Drivers*. Available from: https://nzta.govt.nz/roadcode/;
- Waka Kotahi New Zealand Transport Agency. (2019). *Class 2 load pilot course guide* (Part 5, Traffic control at bridges being crossed by overweight vehicles). Available from: https://nzta.govt.nz/roadcode/;

- Waka Kotahi New Zealand Transport Agency. (2013). *Roadside Inspection Guidelines for Heavy Vehicles*. Available from: https://www.nzta.govt.nz/resources/;
- Waka Kotahi New Zealand Transport Agency. *Vehicle dimension and mass permitting manual (VDAM), Volume 1.* Available from: https://www.nzta.govt.nz/resources/;
- KiwiRail. Information relating to permits required for crossing the railway line with over height, over width, overweight, or long loads. Available from: https://www.kiwirail.co.nz/how-can-we-help/access-the-rail-corridor/over-sized-loads/;
- KiwiRail. Information relating to safety at level crossings. Available from: https://www.kiwirail.co.nz/;
- Waka Kotahi New Zealand Transport Agency. (2004). *Overweight Permit Route Maps, (OPRM).* Available from: http://nzta1.cwp.govt.nz/resources/overweight-permit-route-maps/full-index-list.html;
- Waka Kotahi New Zealand Transport Agency. *(2007). Overdimension Vehicle Route Maps, (OVRM).* Available from: http://nzta1.cwp.govt.nz/resources/overdimen-veh-route-maps/full-index-list.html;
- Related New Zealand Transport Agency forms: NZTA 803 and NZTA 804. Available from: https://www.nzta.govt.nz/resources/.

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.

2 Definitions

BESS refers to Waka Kotahi NZTA policy on Bridge Engineering Self Supervision, as contained in the VDAM manual.

A *bridge* refers to 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^2 and stock underpasses (adapted from Waka Kotahi NZTA).

A *choke-point* refers to 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.

RCA refers to Road Controlling Authority, which is the authority, body or persons having control of the road.

Road furniture refers to 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 refers to Road User Charges.

The Rule refers to Land Transport Rule: Vehicle Dimensions and Mass 2016.

Site requirements are specific to each individual site and reflect the physical characteristics of the site and organisational requirements of both the site owner and transport operator.

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

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

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, good practice guides, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the transportation of overdimension and overweight vehicles and/or loads.

3 It is recommended that people hold credits for Unit 23886, *Transport by road overweight and overdimension loads that do not require a pilot or overdimension permit*; and Unit 23890, *Describe overweight and overdimension vehicle dynamics for safe driving*, before being assessed against this unit standard.

4 Assessment information
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 and also requires an overweight permit.

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

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 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 manual.

Range Rule requirements include – formal approvals.
VDAM 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, 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, choke-points, railway line level crossings, manoeuvre points, overhead structures, wires and cables, road conditions, road furniture, road works, route position markers, safe park areas, traffic control.

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 correctly positioned on the vehicle in relation to its centre of gravity, and 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, dunnage 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 include – 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.

3.2 The vehicle’s variable height systems (if fitted) are adjusted where necessary.

3.3 Bridge crossing supervision, railway line level crossing, travel times, overheight obstructions and periodically monitoring load safety are carried out during the journey in accordance with the Rule, the VDAM manual.

3.4 Actions to manage hazards whilst driving are carried out.

Range bridges, choke-points, emergency situations, overhead obstructions, railway line level crossing, 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 started, manoeuvred, 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.

Planned review date	31 December 2028

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	31 December 2025
Review	3	29 June 2023	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.