



## HEAVY VEHICLE NATIONAL LAW

### National Class 2 Performance Based Standards (High Productivity) Authorisation Notice 2022 (No.2)

#### 1. Purpose

- 1) This Notice authorises access to specified networks by eligible Performance Based Standards (PBS) vehicles that hold a PBS vehicle approval, and that comply with the other conditions of this Notice and its Schedules. Authorised access to the areas and routes specified in this Notice is limited by conditions including PBS tier ratings or template vehicle requirements. A vehicle will need to comply with both its own PBS vehicle approval and the conditions of this Notice to access a given area or route.
- 2) This Notice revokes and replaces the *National Class 2 Performance Based Standards (High Productivity) Authorisation Notice 2021 (No.1)*.

*Note: This Notice operates in conjunction with the National Class 2 Performance Based Standards (High Productivity) Operators Guide (the Guide).*

*Changes in this edition of the Notice include the addition of a schedule for New South Wales. There are no other changes to this Notice.*

#### 2. Authorising provision

- 1) This Notice is made under the following provision of the *Heavy Vehicle National Law (HVNL)*:
  - a) section 138 – *Regulator’s power to authorise use of all or stated categories of class 2 heavy vehicles*

#### 3. Title

This Notice may be cited as the *National Class 2 Performance Based Standards (High Productivity) Authorisation Notice 2022 (No.2)*.

#### 4. Commencement date

This Notice commences on 18 July 2022.

#### 5. Expiry date

This Notice expires on 14 November 2026.

## 6. Definitions

- 1) Unless otherwise stated, words and expressions used in this Notice have the same meaning as in the HVNL, and in the *National Class 2 Road Train Authorisation Notice*.
- 2) In this Notice:

***National Class 2 Performance Based Vehicle (High Productivity) Operators Guide (the Guide)*** means the document of that name maintained and published by the National Heavy Vehicle Regulator, as amended from time to time.

*Note:*        *The Guide may be found on the NHVR website.*

***PBS network*** means a PBS network with the following specified characteristics:

- a) *Level* – as per Vehicle performance level under the *Standards and Vehicle Assessment Rules*; and
- b) *Class* – as per Network Access by vehicle length class under the *PBS Scheme-Network Classification Guidelines*.

In this Notice, the level and class of a network may be specified by interpolating these values into the PBS network name. For example, a PBS Network that is level 2 and class A may be identified as PBS 2A network, or a PBS level 2A network.

***PBS Scheme - Network Classification Guidelines*** means the document of that name published by the National Transport Commission, as amended from time to time.

***PBS Scheme - The Standards and Vehicle Assessment Rules*** means the document of that name published by the National Transport Commission, as amended from time to time.

***template vehicle*** means a generic vehicle specified by a set of parameters including mass, dimensions, axle spacing, configuration, or other vehicle characteristics. A template vehicle may be described by way of a diagram, drawing, list, model, or any combination of those things.

Template vehicles are used in this Notice to match specific vehicle configurations with access to specific routes or areas. A network, either in network provision of this Notice or as a condition on the network itself, may specify compliance with a given template vehicle or vehicles.

*Note:*        *For example, a template vehicle may by way of a diagram prescribe a vehicle's maximum length and height, the number and spacings of axles, and the number of units that compose the combination. A specific network may then apply that template vehicle either directly from a Schedule to this Notice, or as a vehicle condition maintained on the network map itself.*

## **7. Application**

- 1) This Notice applies to a PBS vehicle with a PBS vehicle approval issued under section 23 of Part 1.4 of the HVNL.
- 2) This Notice applies to a PBS vehicle in participating jurisdictions subject to the conditions provided in the Schedule of this Notice relevant to that jurisdiction.
- 3) A PBS vehicle to which this section applies is an eligible vehicle.

## **8. Authorisation**

Subject to the conditions in this Notice, an eligible vehicle is authorised to operate on the areas and routes specified in section 10.

## **9. Condition – Compliance with PBS vehicle approval**

- 1) An eligible vehicle must comply with the requirements and conditions of the PBS vehicle approval issued to it.
- 2) If another condition of this Notice, or a condition of access to a network under this Notice, makes a requirement that is more restrictive than the vehicle's PBS vehicle approval then the more restrictive condition must be complied with.

## **10. Conditions – Areas and routes**

- 1) For the purposes of section 142(1)(b) of the HVNL, an area or route specified in a Schedule of this Notice is a stated area or route to which this authorisation Notice applies.
- 2) An eligible vehicle operating on an area or route specified in this Notice or its Schedules must comply with the following conditions as specified for those routes and areas:
  - a) Road conditions pursuant to section 160 of the HVNL; and
  - b) Travel conditions pursuant to section 161 of the HVNL; and
  - c) Vehicle conditions pursuant to section 162 of the HVNL.

## **11. Conditions – Template vehicle requirements**

- 1) If access to an area or route for an eligible vehicle is conditioned by the requirement to comply with a template vehicle, the eligible vehicle must comply with parameters indicated by the template including, but not limited to, those regarding:
  - a) number and type of units in a combination; or
  - b) mass, length, height, or width; or
  - c) axle configuration, axle spacing or axle mass limits; or
  - d) draw bar length, overhang, or ground clearance.
- 2) Distances for the purpose of axle spacings, or relating to axle groups, are measured from the centres of relevant axles.

*Note: To be clear, not every network will require compliance with a template vehicle, and not every template vehicle will specify all parameters set out in this section. If a template vehicle exists for a network, then the template vehicle parameters must be complied with.*

## **12. Conditions – Intelligent access program conditions (IAP conditions)**

- 1) This section only applies in jurisdictions that have an intelligent access program condition in the relevant Schedule.
- 2) Pursuant to s402(a) and (b) of Chapter 7 of the HVNL, the following conditions of this Notice are intelligent access program conditions:
  - a) any condition relating to mass or dimensions; and
  - b) any condition relating to stated areas or routes to which the authority applies, including any relating to speed or time of travel.
- 3) Pursuant to s402(c) of Chapter 7 of the HVNL, an eligible vehicle must be monitored by an approved intelligent transport system as set out in the intelligent access program conditions of a Schedule to this Notice.

Peter Caprioli  
*Executive Director (Freight and Supply Chain Productivity)*  
**National Heavy Vehicle Regulator**

## Schedule 1 Victoria

### 1. Application

This Schedule applies in Victoria.

### 2. Definitions

1) In this Schedule:

**Quad-Quad B-double** means a B-double with quad axle groups on both trailers.

**Quad Semi-trailer** means a combination consisting of a prime mover and semitrailer fitted with a quad axle group

**Quad Tri B-double** means a B-doubles with a quad axle group on the first trailer and a tri-axle group on the rear trailer.

2) The following terms are used to certain identify networks in section 3, and to prescribe which eligible vehicles may operate on those networks:

a **Mass – General Freight** network means one on which an eligible vehicle carrying goods, excluding one that qualifies as a volumetrically loaded vehicle may operate.

a **Mass – Volumetric** network means one on which an eligible vehicle consisting of a towing unit and one or more trailers that are purpose-built tankers designed to carry liquids or gases in bulk. It does not mean vehicles with loads consisting of gases or liquids contained in separate vessels such as bottles, cylinders, or tanks may operate.

*Example: A semi-trailer carrying LNG in a single tank that is integral to the trailer is a volumetric vehicle, while a semi-trailer carrying LNG in separately loaded cylinders is not.*

### 3) Conditions: Stated Areas and Routes (Networks)

- 1) Pursuant to the authorisation granted in sections 8 of this Notice an eligible vehicle may operate on a network named in Column 4 of Table 1, on condition that it has a PBS Approval that meets the requirements for the PBS network and does not exceed the maximum length and mass requirements in Column 2 and 3.

**Table 1: Victorian networks**

Reference Vehicle	Column 2	Column 3	Column 4
	Length (m)	Mass (t)	PBS Level and Network Name
Quad semitrailer	20m	50.5t	PBS Quad semi-trailer
A-double tanker	26m	74.5t	PBS Level 2A – Mass Volumetric (liquids only)
A-double tanker	26m	68.5t	PBS Level 2A – Cubic
A-double	30m	68.5t	PBS Level 2B – Cubic
B-double	30m	68.5t	PBS Level 2B – Cubic
Quad-Tri B-double	30m	73t	PBS Level 2B – Mass Quad-Tri & Quad-Quad B-double
Quad-Quad B-double	30m	77.5t	PBS Level 2B – Mass Quad-Tri & Quad-Quad B-double
A-double	30m	85.5t	PBS Level 2B Mass – General Freight or Volumetric (Liquids only)
Quad-Tri B-double	>30m	73t	PBS Level 3A - Mass
Quad-Quad B-double	>30m	77.5t	PBS Level 3A - Mass
A-double	36.5m	85.5t	PBS Level 3 Mass – General Freight Network or Volumetric (Liquids only)

*Note: The networks named in Column 4 of Table 1 are published and maintained by the Victorian Department of Transport and are available on its website.*

*PBS Quad semi-trailers are PBS Level 1 vehicles with regard to safety and geometry, but access is determined by the mass of the combination and not by network level or class.*

*The PBS 2A and 2B Cubic networks are ones are designed to accommodate longer vehicles that, because of the low-mass and high-volume nature of their loads do not reach a total mass of more than 68.5t.*

- 2) In addition to complying with the requirements in Table 1, an eligible vehicle operating on a network under this section must comply with the dimension limitations and other requirements of a template vehicle specified as a condition of that network.

*Note: More than one template vehicle may be provided for a single network, in which case compliance with only one template is required.*

- 3) The networks named in Column 4 of Table 1 are routes and areas under this authorisation Notice for the purposes of sections 8 and 10.

- 4) In this section total mass means the mass of the eligible vehicle including its load.

#### **4) Conditions – vehicle conditions**

- 1) An eligible vehicle must have:
  - a) an antilock braking system (ABS) that complies with ADR38/01 on all axles, excluding those on convertor dollies; and
  - b) certified road friendly suspension.
- 2) An eligible vehicle that contains a prime-mover manufactured after 2007 must meet the ADR80/02 emissions control standard.

#### **5) Conditions - Intelligent access program conditions (Victoria)**

- 1) Pursuant to section 12 of this Notice, an eligible vehicle operating on a network under this Schedule that is a:
  - a) vehicle with total mass greater than 68.5t; or
  - b) a quad semi-trailer exceeding 46t gross combination mass

must be enrolled in and comply with one or both of the following approved intelligent transport systems, approved by Transport Certification Australia (TCA):

*On Board Mass Management Category B (OBM B); or  
On Board Mass Management Category C (OBM C)*

- 2) Pursuant to section 12 of this Notice, an eligible vehicle operating on a network under this Schedule must be enrolled in and comply with one or both of the following approved intelligent transport systems, approved by Transport Certification Australia (TCA):

*Intelligent Access Program (IAP), or  
Telematics Monitoring Application (TMA)*

- 3) Any approved intelligent transport system required under this section must be functioning while operating under this Notice.

#### **6) Condition – Crossing railways and tramways**

If an eligible vehicle is either longer than 26m before attempting to cross a railway or tramway track the driver or operator of the vehicle must first obtain permission from the Transport Compliance Unit of the Department of Transport's Over Dimensional Load Team.

*Note: The Transport Compliance Unit is a unit of the Victorian Department of Transport's Over Dimensional Load Team. Contact details for this unit are available in the Guide.*

## Schedule 2 New South Wales

### 1. Application

This Schedule applies in New South Wales.

### 2. Definitions

1) In this Schedule:

**30m A-Double with a tandem axle dolly** means a PBS Level 2 approved A-double that does not exceed 30.0m in length on which the dolly axle group is tandem axle only.

**A-Double** has the same meaning as in section 6 of the *National Class 2 Road Train Authorisation Notice*.

**Quad-Quad B-double** means a B-double with quad axle groups on both trailers.

**Quad Semi-trailer** means a combination consisting of a prime mover and semitrailer fitted with a quad axle group

**Quad Tri B-double** means a B-double with a quad axle group on the first trailer and a tri-axle group on the rear trailer.



### 3. Conditions: Stated Areas and Routes (Networks)

- 1) Pursuant to the authorisation granted in sections 8 of this Notice an eligible vehicle may operate on a network named in column 2 of table 1, on condition that it meets the requirements sent in columns 3 to 5 and complies with all other conditions of this Notice.
- 2) In column 2 of table 1, “*network mass level*” means the category of network as provided on Transport for New South Wales Performance Based Standards network maps. These will be either “*GML, CML and QML 1*” or “*HML and QML 2*”. “*Network name*” refers to the specific network under that category. Together, these identify a specific network map on which an eligible vehicle may operate.

*Note:* For network purposes, “*CML*” equates to “*QML 1*” while “*HML*” equates to “*QML 2*”. The *QML* levels are specified because they are used on some vehicle approvals for vehicles with quad axles instead of *CML* and *HML*.

- 3) In column 3 of table 1, “*vehicle configuration*” means the eligible vehicle configuration that can operate on a given network under column 2. Any requirements described in the vehicle configuration must be complied with.
- 4) In column 4 of table 1, “*VA Mass and Bridge Assessment Tier*” indicate the mass limits from the vehicle’s PBS vehicle approval that must be complied with when operating on a network under column 2. In column 4:

**VA GML** means general mass limits prescribed in a vehicle’s Vehicle Approval

**VA CML** means concessional mass limits prescribed in a vehicle’s Vehicle Approval

**VA HML** means higher mass limits prescribed in a vehicle’s Vehicle Approval

**VA QML 1** means level 1 quad mass limits prescribed in a vehicle’s Vehicle Approval

**VA QML 2** means level 2 quad mass limits prescribed in a vehicle’s Vehicle Approval

**Tier 1** means that the vehicle is limited to mass limits allowed under Tier 1 Bridge Assessment only.

**Tier 3** means that the vehicle is limited to mass limits allowed under Tier 3 Bridge Assessment only.

**Table 1: New South Wales Networks**

Column 1		Column 2		Column 3	Column 4
Level	Class	Network Mass Level	Network Name	Vehicle Configuration	VA Mass and Bridge Assessment Tier
1	na	QML 2	PBS Level 1	Quad axle semi-trailer not exceeding 20m in length	VA QML 2 – Tier 3
2	B	GML, and QML 1	PBS 2B Quad-Tri/Quad-Quad B-double	Quad-Tri B-Double not exceeding 30m in length	VA GML – Tier 1 VA QML 1 – Tier 1
2	B	QML 2	PBS 2B Tier 3 Quad-Tri/Quad-Quad B-double	Quad-Tri B-Double not exceeding 30m in length	VA QML 2 – Tier 3
2	B	GML, and QML 1	PBS 2B Quad-Tri/Quad-Quad B	Quad-Quad B-Double, not exceeding 30m in length	VA GML – Tier 1 VA QML 1 – Tier 1
2	B	QML 2	PBS 2B Quad-Tri/Quad-Quad B	Quad-Quad B-Double, not exceeding 30m in length	VA QML 2 – Tier 3
2	B	GML and CML	PBS 2B - Tier 1 mass only	A-Double with a tandem axle dolly, not exceeding 30m in length	VA GML – Tier 1 VA CML – Tier 1
2	B	HML	PBS 2B – Tier 1 mass only	A-Double with a tandem axle dolly, not exceeding 30m in length	VA HML – Tier 1
2	B	GML and CML	PBS 2B - Tier 3 mass	A-Double with a tandem axle dolly, not exceeding 30m in length	VA GML – Tier 3 VA CML – Tier 3
2	B	HML	PBS 2B – Tier 3 mass	A-Double with a tandem axle dolly, not exceeding 30m in length	VA HML– Tier 3

5) An eligible vehicle that is a:

- a) truck and dog combination that is PBS level 1 Tier 1 vehicle and does not exceed 20m in length may operate on the Great Western Highway between the M4 Western Motorway/Russell Street interchange at Emu Plains and the Great Western Highway/ Castlereagh Highway interchange at Marrangaroo at PBS Level 2 mass limits up to 57.5t if the vehicle’s VA permits PBS Level 2.
- b) B-double combination that is PBS level 1 Tier 1 vehicle and does not exceed 20m in length may operate on the Great Western Highway between the M4 Western Motorway/Russell Street interchange at Emu Plains and the Great Western Highway/ Castlereagh Highway interchange at Marrangaroo at PBS level 2 mass limits up to 57.5t if the vehicle’s VA permits PBS Level 2.

- 6) The networks named in this section are routes and areas under this authorisation Notice for the purposes of sections 8 and 10.

#### **4. Conditions – Prohibited vehicles**

- 1) The following are prohibited from operating on a network under this Schedule:
  - a) prime movers with twin steer axles or tri-axle drive axle groups; and
  - b) combinations including tri-axle dollies.

#### **5. Conditions - Intelligent access program conditions (New South Wales)**

- 1) Pursuant to section 12 of this Notice, an eligible vehicle operating on a network under this Schedule must be enrolled in and comply with one or both of the following approved intelligent transport systems, approved by Transport Certification Australia (TCA):
  - a) For vehicle operating at GML, CML or QML 1 mass limits:

*Road Infrastructure Management (RIM)*
  - b) For vehicles operating at HML or QML 2 mass limits:

*Intelligent Access Program (IAP); or*  
*Telematics Monitoring Application (TMA)*
- 2) Any approved intelligent transport system required under this section must be functioning while operating under this Notice.