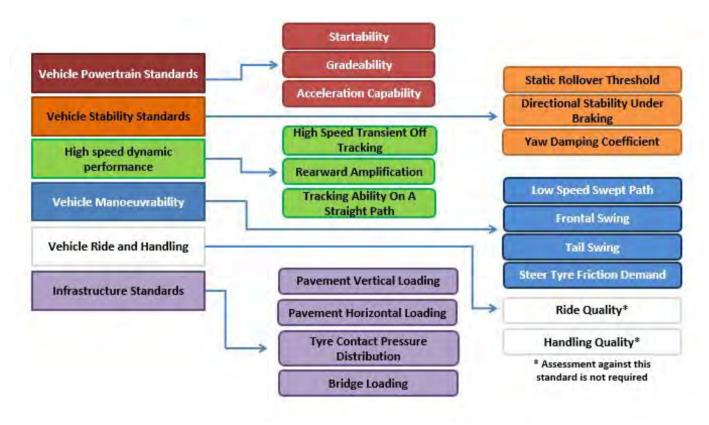
Road Access Trends

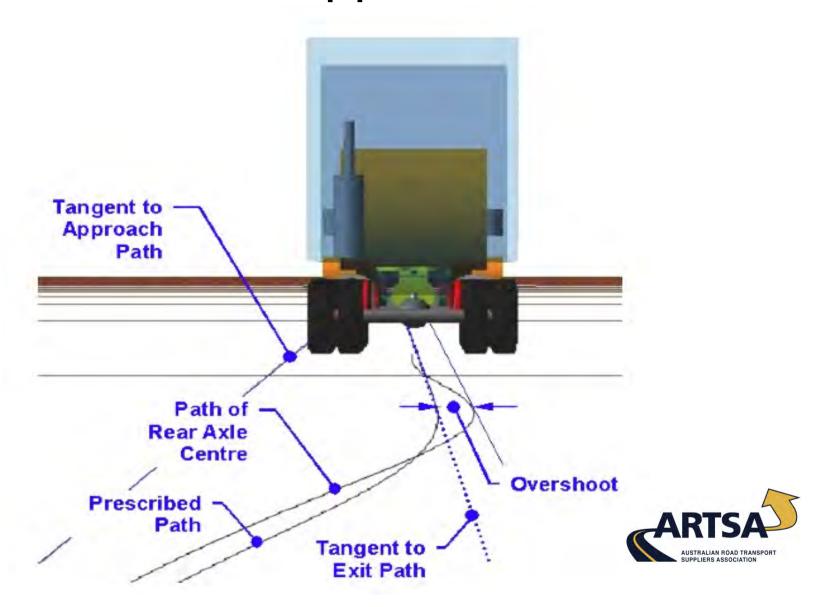
Peter Hart Chairman ARTSA



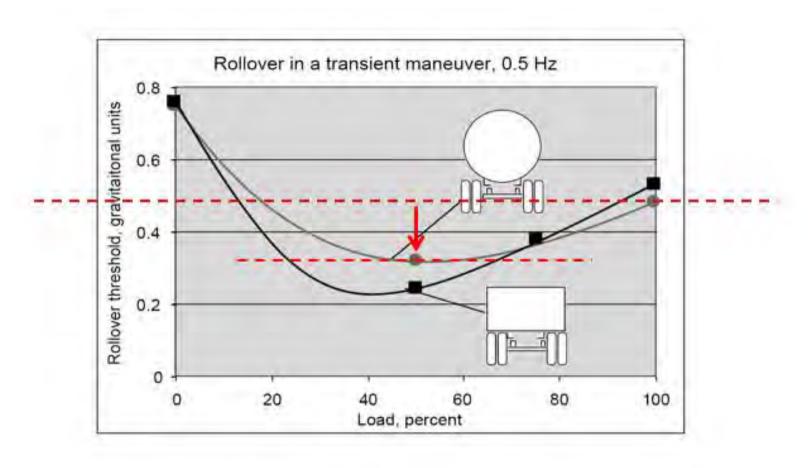
Performance-Based Standards



PBS Approvals



Performance-Based Standards



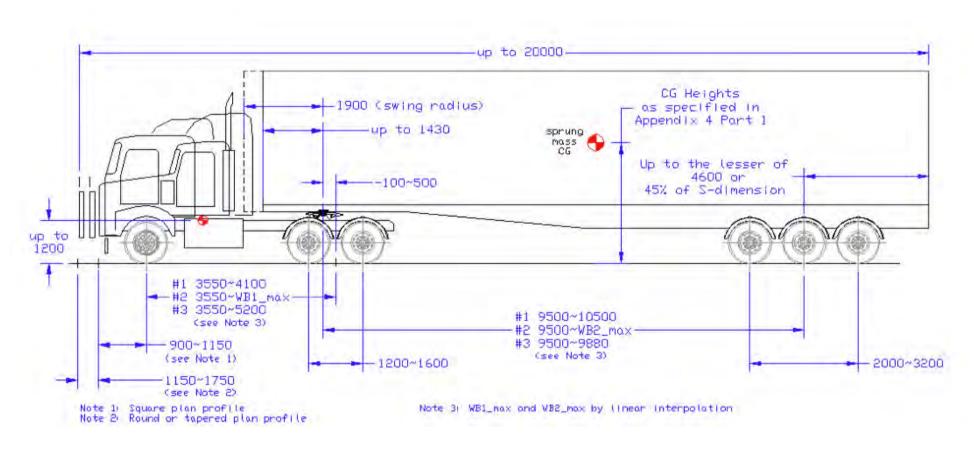
PBS Approvals

NHVR:

Issues Approvals based upon simulation evidence (16 safety and 4 infrastructure),
Arranges Permits,
Accredits assessors, and
Accredits inspectors.

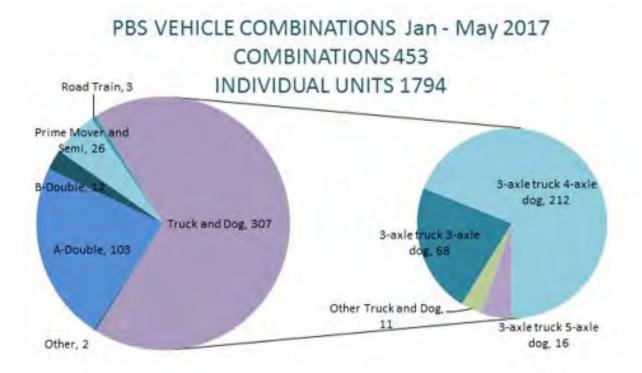


PBS Blueprint Approvals





Performance-Based Standards Applications

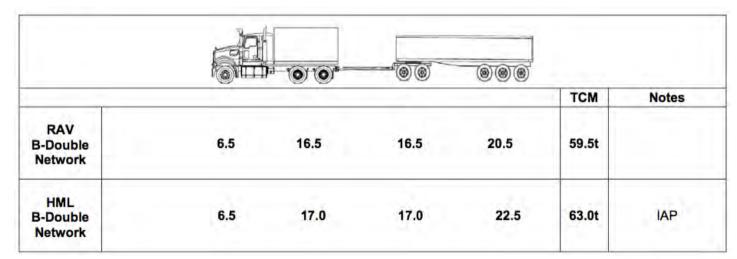


PBS Approvals

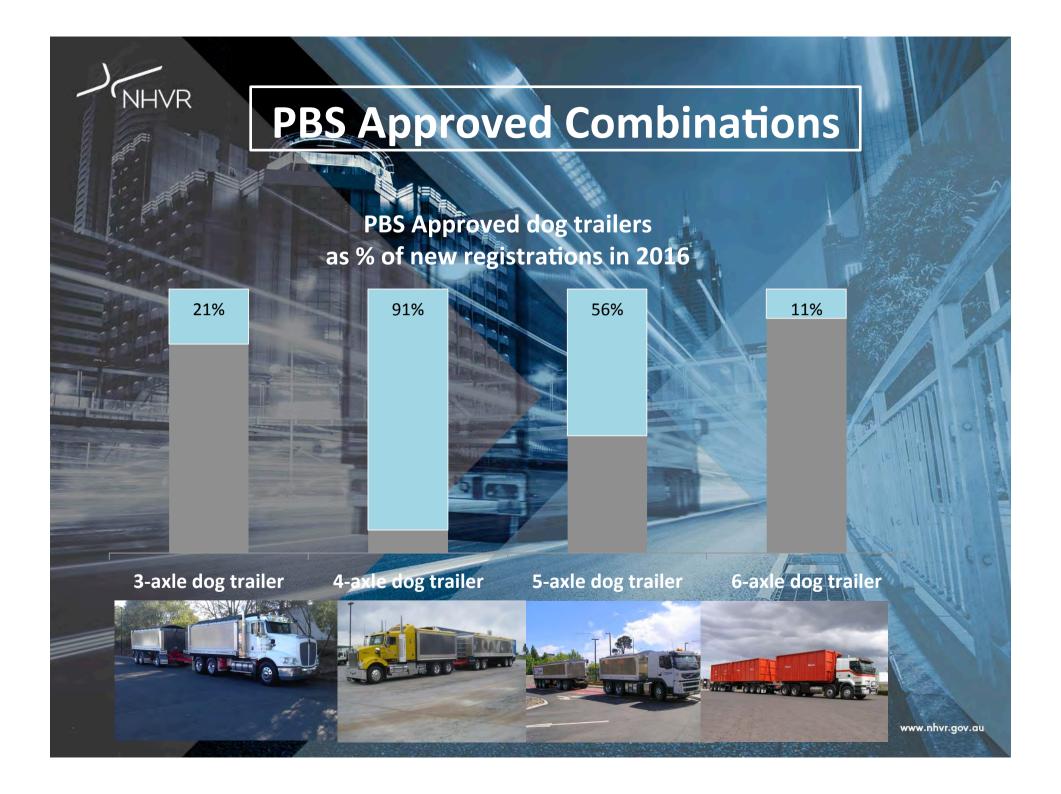
Performance Based Standards approved Truck and Dog combinations



Quin Dog







Responsibilities for Road Transport



Federal Government:

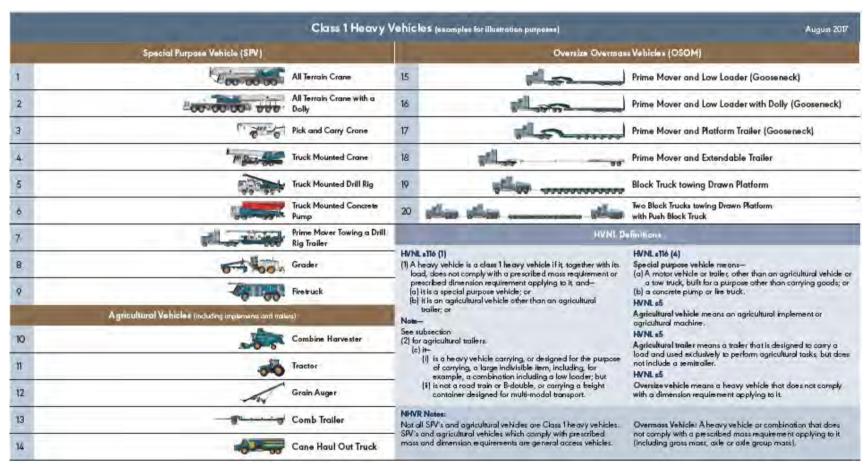
- New vehicle regulation and homologation.
- · Vehicle imports.
- Technical standards.
- Treaties and Trade (UN ECE).
- Reform proposals.
- Federally funded roads (\$\$\$).

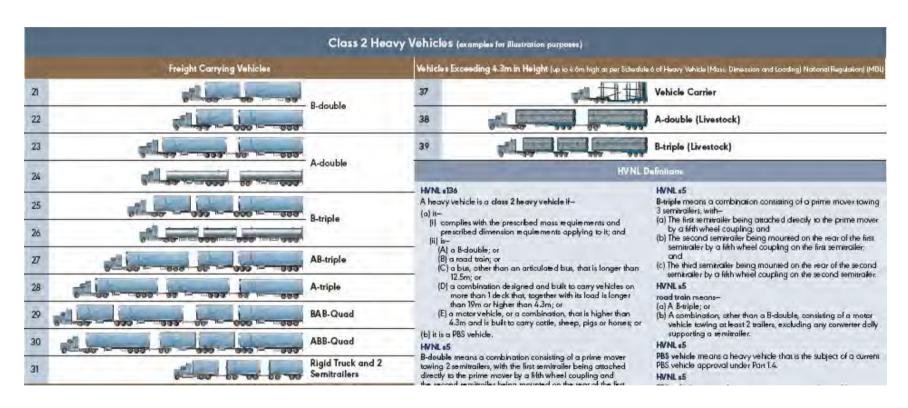
State Governments:

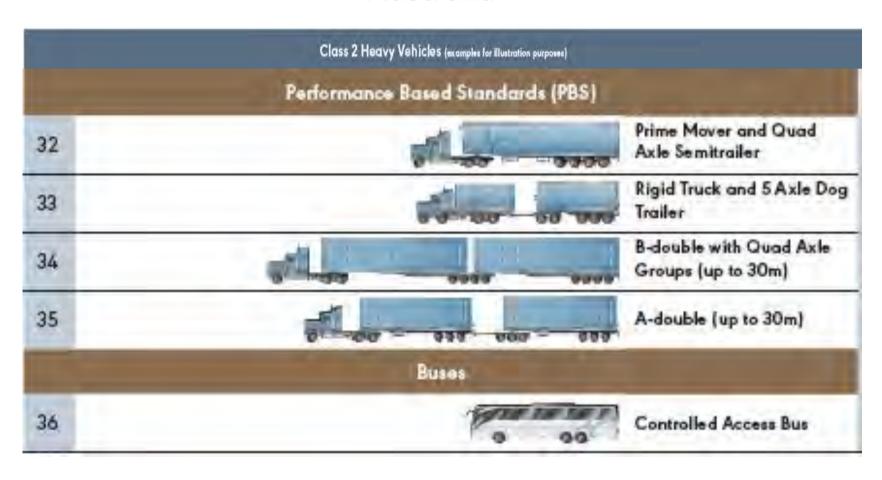
- In-service vehicle regulation.
- Roadworthiness.
- Road access for heavy vehicles.
- Special purpose and Dangerous Goods vehicles
- Occupational Health and Safety

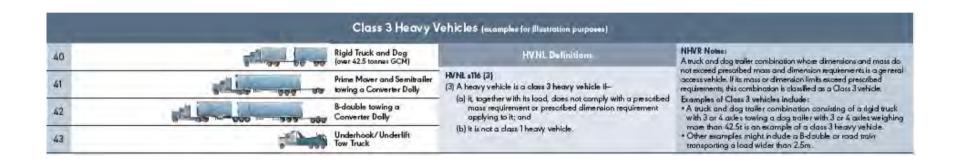
Local Governments:

Access to Local Roads

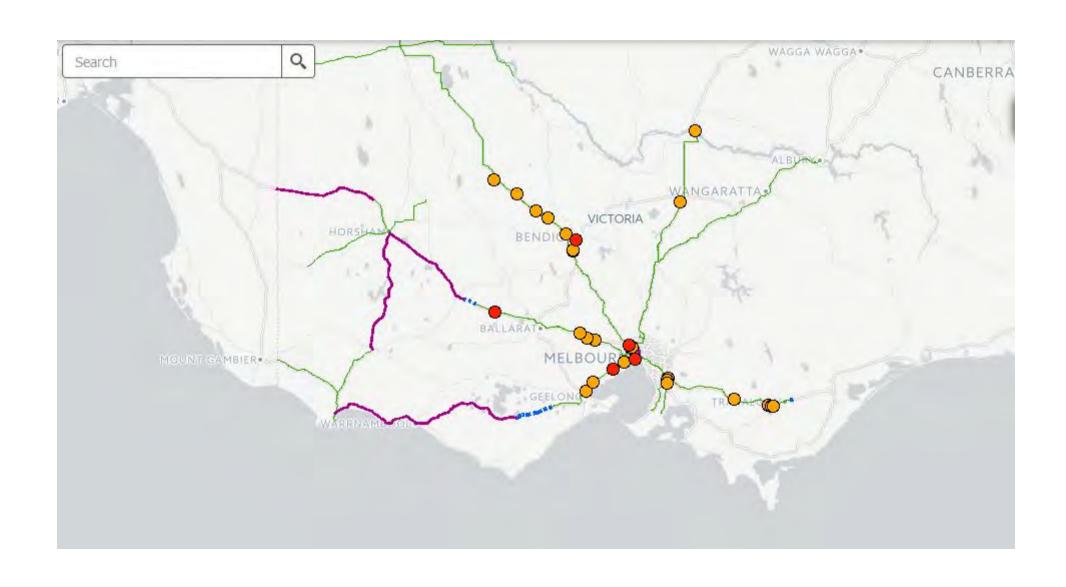








Victorian HPFV Network



Transport Certification Australia was set-up by the Federal Government to:

• Facilitate intelligent control over road access.



Transport Certification Australia was set-up by the Federal Government to:

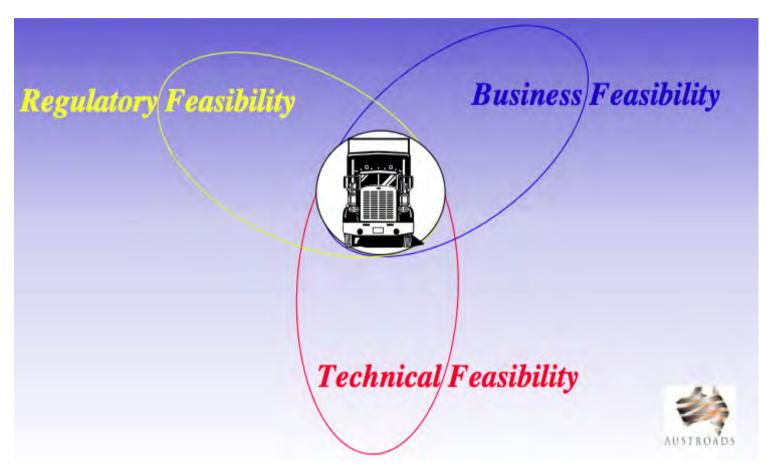
- Facilitate intelligent control over road access.
- Establish technical standards for GPS-based vehicle telematics that can report compliance with rules.



Transport Certification Australia was set-up by the Federal Government to:

- Facilitate intelligent control over road access.
- Establish technical standards for GPS-based vehicle telematics that can report compliance with rules.
- Establish accreditation standards and procedures.







IAP is voluntary.....



IAP is voluntary.....

but is mandated in NSW on:

- HML vehicles.
- B-triples and AB-Triples.
- High risk mobile cranes.
- Victoria requires that A-doubles have IAP equipment
- •



Victorian HPFV Network

Victoria's HPFV Networks for 30 metre 85.5 tonne A-Doubles



What is the difference between current B-Doubles and HPFV A-Doubles?

B-Doubles are up to 26 metres long and have a Gross Combination Mass (GCM) up to 68.5 tonne. In Victoria, a High Productivity Freight Vehicle (HPFV) is a heavy vehicle combination that exceeds 26 metres and/or has a GCM in excess of 68.5 tonne.

What roads can be accessed by HPFVs?

The Victorian HPFV network is being developed with a focus on providing access to primary freight routes connecting with Victorian Ports, interstate links and key industries.

VicRoads is progressively assessing more freight routes to continue to expand the HPFV network. The A-Double maps and details of Victoria's A-Double HPFV network are available on

What are the specific mass limits and axle spacings?

The mass limits for B-Double HPFV operating on the network are as follows:

- Steer Axle 6.0 tonnes
- Steer Axle 6.5 tonnes¹
- Drive Axle or Tandem Axle Group 17.0 tonnes
- Tri-Axle Groups 22.5 tonnes
- Overall 85.5 tonnes

In relation to axle spacings, the combination must meet the following minimum and maximum axle spacings to safely cross all the structures on the network (the figures are in millimetres):²

HPFV A-Double Reference Vehicle 1 (not to scale)

A-Double up to 85.5 tonne and 30 metres – 5.2 metre 'central trailer spacing' and 5.2 metre trailer axle spacing



National PBS Truck and dog trailer notice

Information Sheet - May 2016

National Class 2 PBS Level 1 & 2A Truck and Dog Trailer Authorisation Notice 2016

This document provides information on Performance Based Standards (PBS) vehicles which will be authorised to operate under the National Class 2 PBS Level 1 and 2A Truck and Dog Trailer Authorisation Notice 2016 (the Notice).

Purpose of the PBS Notice

The Notice establishes a consistent framework for PBS truck and dog operations by providing access to appropriate networks under a gazette notice.

This will replace the need for permits for vehicles covered by the notice and aligns with the principles of PBS to have the right vehicles on the right roads.

Permits will still be required to access roads which are not part of the road manager approved PBS networks and also

It is a requirement of the *Heavy Vehicle National Law* (s153) for drivers to keep a copy of the PBS Vehicle Approval in their possession when operating under the notice.

NSW and Queensland conditions

PBS truck and dog combinations operating at Higher Mass Limits (HML) in New South Wales or Queensland must be enrolled in the Intelligent Access Program (IAP).

To find out further information on the IAP, please visit http://www.tca.gov.au/certified-services/iap. For jurisdictional enrolment information, please visit:

NSW: http://www.rms.nsw.gov.au/businessindustry/heavy-vehicles/intelligent-access-program.html



Safety, Productivity & Environment Construction Transport Scheme

Frequently Asked Questions

1. What is the Safety, Productivity and Environment Construction Transport Scheme?

The Safety, Productivity & Environment Construction Transport Scheme (SPECTS) is a voluntary scheme aimed at helping enable the efficient movement of construction materials. The scheme applies to government projects and all other construction projects across Sydney, Wollongong and Newcastle.

What are the requirements?

At least, a minimum of Euro 5 engine, additional safety features, enrolment in the Intelligent Access Program (IAP), On Board Mass (OBM) monitoring systems linked to the IAP.

2. What will be the benefits of SPECTS for transport operators?

Operators will be able to transport greater mass than they may currently be able to do under permit.

An independent consultant engaged by Roads and Maritime estimated enrolled transport operators would realise increased productivity benefits of up to \$100,000 per truck per year.

3. How will the community benefit from the scheme being used by transport operators?

Benefits will include reduced congestion with an estimated 17 per cent reduction in truck movements around major government infrastructure projects alone, or 1,000 fewer truck movements per week, environmental and safety benefits by ensuring vehicles meet Performance-Based Standards (PBS) and have a minimum Euro 5 diesel engine to reduce harmful emissions and safety benefits to road users with participating vehicles meeting rigorous safety standards.

4. How will the scheme be enforced?

Vehicles must be fitted with an Intelligent Access Program (IAP) in-vehicle unit to enable satellite-based tracking which will ensure heavy vehicles are operating on the right roads. Vehicles must also be fitted with On Board Mass measurement devices so Roads and Maritime Services can monitor how much is being transported.

5. What types of vehicles will be eligible to join the Scheme?

Truck and dog combinations, semi-trailers and concrete agitators will be eligible to participate in the

B-triples

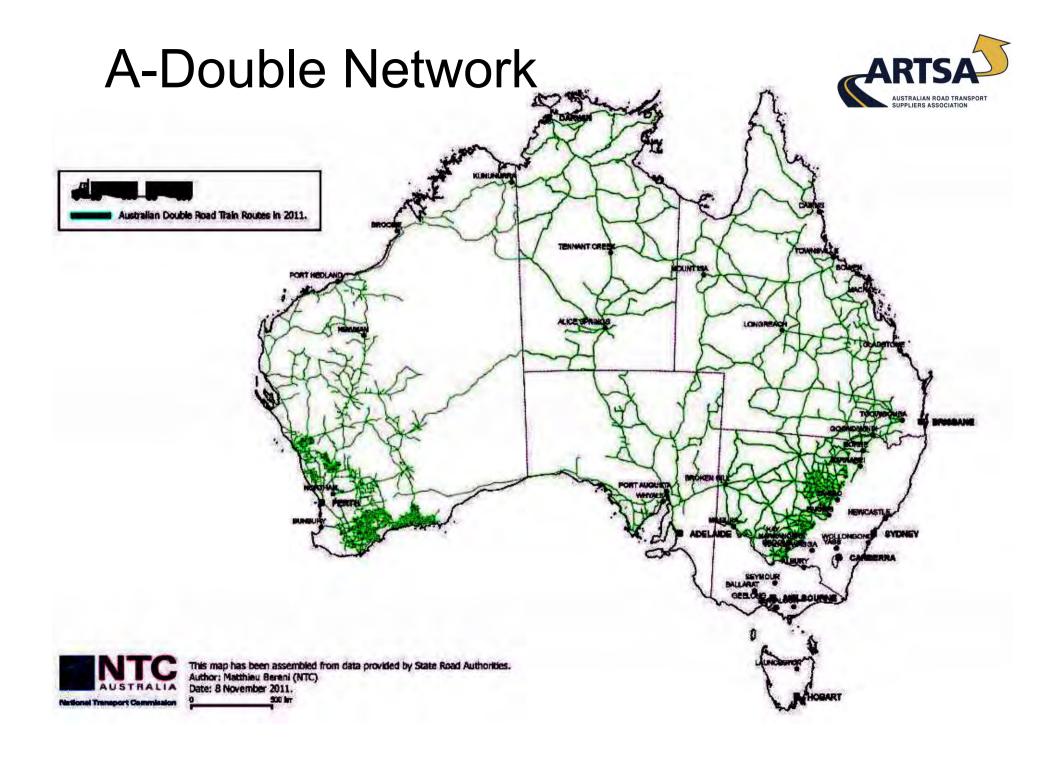


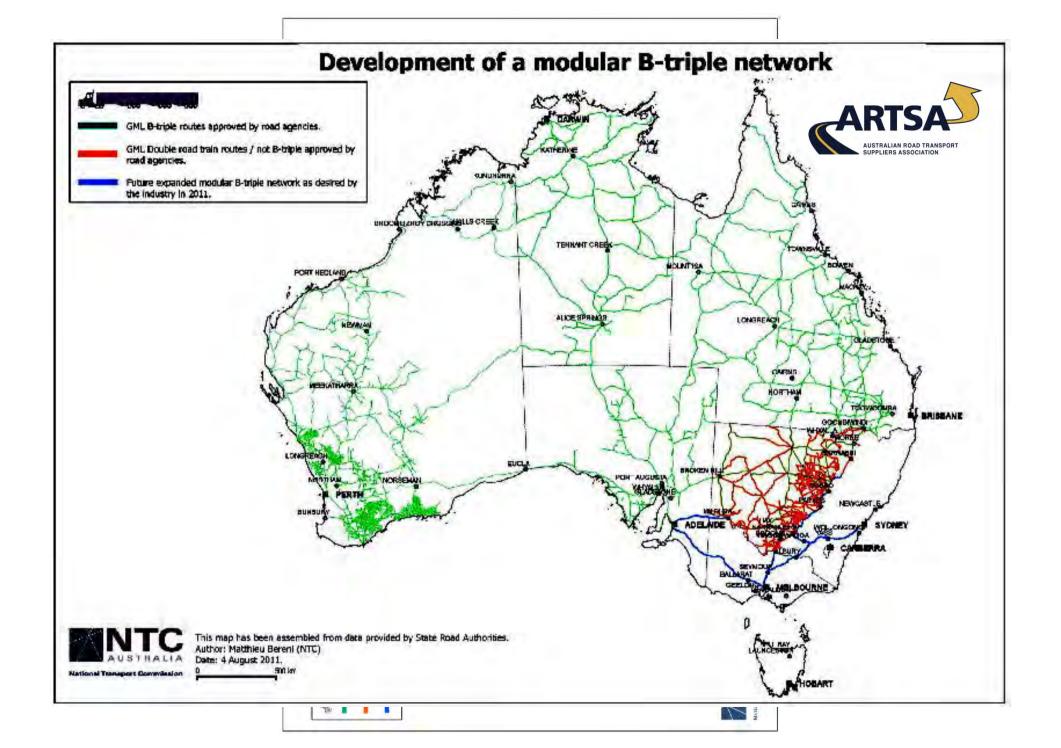


B-triples

- Total length limited to 35 m.
- Maximum weight is 84.5 t (CML) cf 81t for a road-train double.
- Minimum engine power of 373 kW (500 HP)
- Start-ability level of > 10% and grade-ability level > 12 %
- Must maintain a speed of 70 km/h on a 1% grade at 84.5 t weight
- Configurable from B-double parts
- Not PBS







• 2010 B-triple network agreed. On Type 1 roadtrain routes



B-triple 30m + 85t

- 2010 B-triple network agreed. On Type 1 roadtrain routes
- 2010 Transport Certification Agency (TCA) now operating.
 Develops technical standards for electronic monitoring.
 Certifies equipment that can be used for fatigue management, mass management and route compliance.
- 2014 National Heavy Vehicle Regulator (NHVR) established.
 Regulates in-service vehicles. 'One-stop-shop'
 States opt in by passing consistent legislation.
- 2016 National notice allows 5 and 6-axle dog trailer combinations to 65t. This is a direct outcome of PBS.





6-axle dog trailers 26m + 70t

- 2010 B-triple network agreed. On Type 1 roadtrain routes
- 2010 Transport Certification Agency (TCA) now operating.
 Develops technical standards for electronic monitoring.
 Certifies equipment that can be used for fatigue management, mass management and route compliance.
- 2014 National Heavy Vehicle Regulator (NHVR) established.
 Regulates in-service vehicles. 'One-stop-shop'
 States opt in by passing consistent legislation.
- 2016 National notice allows 5 and 6-axle dog trailer combinations to 65t. This is a direct outcome of PBS.
- 2017 Victoria announces that it will allow A-doubles (30m + 70t) onto the Level 2 B-double routes. Also, A-doubles to 85t on selected routes.



A-double 30m + 70t

Thanks for Listening!

