



Restricted Access Vehicles

Prime Mover, Trailer Combinations

Operating Conditions



Amendments

Revision Number	Revision Date	Description of Key Changes	Section / Page No.
	12/10/2016	Amended "Type A" Low Volume Roads" Conditions	7.3
	29/11/2016	Changed vehicle category 10 (A) to include optional axle on group 6	35
	3/11/2017	Replaced with Compulsory Heavy Vehicle Incident Reporting	3 / 7
	3/11/2017	Amended to refer to Bridge Height list on the permits page of the Main Roads website.	8.3 / 9

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DEFINITIONS

The following are definitions for terms used in these Operating Conditions. Refer to the definitions in the Road Traffic (Vehicles) Act 2012 for the meanings of any terms not defined in this section. If a definition in the Road Traffic (Vehicles) Act 2012 conflicts with a definition in this section, the definition in this section prevails for the purpose of these Operating Conditions.

Curfew: means a period when the movement of a RAV is not permitted.

DoT: means Department of Transport

Freight Container: for the purpose of vehicle combination #2 in Category 2, means a Multi Modal Container that is over 12.19 m (40') in length and does not necessarily comply with AS 3711.1

Licensing Authority: is a Government Authority responsible for the administration of the vehicle licensing provisions of the law of the relevant State, Territory or the Commonwealth.

Livestock: cattle, sheep, pigs or horses.

Local Government road: means a road that is under the responsibility of the local government of the district in which it is situated.

Low Volume Road: a rural Local Government road as set out in the latest version of the “*Guidelines for Assessing the Suitability of Routes for Restricted Access Vehicles*”, published on the Main Roads website.

Main Roads road: means a road that is under the responsibility of Main Roads and identified with a number that begins with the letter **H** or **M**.

Multi-Modal Container: (also referred to as an inter-modal container) means a freight container as defined in Australian Standard 3711.1.

Permit: means the Permit that is issued subject to these Operating Conditions, under the provisions of Part 4 of the Road Traffic (Vehicles) Act 2012, which these Operating Conditions form part of.

Posted Speed Limit: means the speed limit indicated on the speed limit sign or in the absence of a speed limit sign in a built-up area, 50 km/h per hour.

Prime Mover: a motor vehicle, other than a *Truck*, built primarily to tow a semi trailer, but does not include a modified prime mover built primarily to carry a load or carry out a function other than towing a semi trailer.

Order: means the Order that is published in the Gazette subject to these Operating Conditions, under the provisions of Part 4 of the Road Traffic (Vehicles) Act 2012, which these Operating Conditions form part of.

RAV: means a *Restricted Access Vehicle* to which these Operating Conditions apply.

RAV Network: means one (1) of the ten (10) Restricted Access Vehicle Networks that lists Approved Roads for the relevant category of RAV, published and maintained electronically on Main Roads website.

Truck: a motor vehicle designed primarily for the carriage of goods directly upon it, and does not include a *Prime Mover*, unless it is fitted with a block for use as a Block Truck, or has been modified to the extent where its primary function is no longer to tow a semi trailer.

Vehicle: in addition to the standard definition, includes a caravan and a boat while on a boat trailer.

Vehicles Regulations: the *Road Traffic (Vehicles) Regulations 2014*.

Main Roads Website

www.mainroads.wa.gov.au

Navigating the Main Roads website is simple. From the home page, enter the “Heavy Vehicles” section under “Using Roads”. There is a lot of useful information within this section, however in relation to these operating conditions, enter the “Permits” or “Order” page, whichever is applicable, and then locate the type of vehicle that relates to you.

Within this area, you can find all of the up to date information relating to these Operating Conditions.

Where information relating to these operating conditions is located in a different area of the website, you will find a note next to the relevant hyperlink that will assist in navigating to the correct area.

If you require any assistance, contact Main Roads on **138 486**.

SECTION ONE

1. Vehicles to which the Order or Permit Applies

- 1.1 The RAV Order or Permit applies to *Complying Vehicles* coupled together to form a combination described in Section Two.
- 1.2 Unless otherwise specified, the Order or Permit cannot be used in conjunction with another Order or Permit.
- 1.3 A *Complying Vehicle* is one that:
 - (a) does not contain more than two (2) axles in the drive axle group of the prime mover;
 - (b) does not contain more than three (3) axles on a converter dolly or semi trailer; and
 - (c) complies with all dimension limits prescribed in the Vehicle Regulations, unless otherwise approved.
- 1.4 Despite the above, a vehicle is also a *Complying Vehicle* where:
 - (a) the vehicle is issued with an approval letter for the extent of the non conformity by the Commissioner of Main Roads and the letter is carried in the vehicle with the permit;
 - (b) the vehicle is an over-length semi-trailer up to 14.63 m (48') in length, provided:
 - (i) the trailer complies with all dimension limits prescribed in the Vehicles Regulations, other than the length measured from the king pin to the rear of the trailer, which may exceed the allowed 12.3 m; and
 - (ii) the trailer is only used as the rearmost trailer in a vehicle combination, however must not be used in a B-double combination; or
 - (c) the vehicle is a trailer with a non-conforming rear tow coupling position that has a *Licensing Authority Exemption* mentioned in clause 2.
 - (d) the vehicle is a high curtain side or pantechonicon trailer that has been constructed with a body that is between 4.3 m and 4.6 m in height, provided:
 - (i) The trailer is appropriately licensed with a relevant *Licensing Authority* for the additional height and conditioned with a 10% mass reduction, and
 - (ii) The maximum vehicle combination mass is not greater than 90% of the maximum allowable mass for that combination under this permit.

Trailers complying with paragraph (b) are exempt from the provision of 173(1) (b) of the Road Traffic (Vehicles) Regulations 2014 (Distance between point of articulation and rear of semi-trailer)
Trailers complying with paragraph (d) are exempt from the provision of 177(1) of the *Road Traffic (Vehicles) Regulations 2014* (Height of vehicles).

Note: Vehicles approved for use in the Order or Permit are not exempted from the Vehicles Regulations, except where an exemption is specified in these Operating Conditions.

2. Licensing Authority Exemptions

Vehicles that are subject to a DoT exemption from Vehicle Regulations 377(b) and 377(c), (non-conforming rear tow coupling position), or an exemption from a corresponding provision of the law of another jurisdiction via the relevant *Licensing Authority*, must comply with the following conditions in addition to any conditions imposed by the *Licensing Authority* exemption:

- (a) The rear coupling of a semi trailer may be more than 300 mm forward of the rear of the trailer, provided the distance from the rearmost part of the trailer or load, to the king pin of the trailer attached immediately behind (if any), is not less than 2.7 m; and

- (b) The drawbar type coupling or drawbar eye may be attached at a non-conforming height (measured when the vehicle is unladen), on the condition that the drawbar is level when the combination is parked on level ground. For this purpose, level means up to 100 mm of height difference between the drawbar ends.

3. Compulsory Heavy Vehicle Incident Reporting

All on-road incidents involving a vehicle operating under this Permit must be reported to Main Roads Heavy Vehicle Services. The Heavy Vehicle Incident Reporting form is available on the Main Roads website. Incident reports must be submitted within 48 hours of the incident occurring.

4. Amendments to these Operating Conditions

These Operating Conditions are subject to occasional amendments. If amendments are made, they will be published as an “HVS Update” on the Main Roads website on the first working day of the month. Operators and drivers are required to ensure that they are operating vehicles on the public road network in accordance with current and up to date Operating Conditions.

5. Minimum Axle Spacing Requirements

- 5.1 A vehicle combination described in Section 2 must comply with the minimum axle spacing requirement in the following “Table A” or “Table B”, whichever is specified in the conditions for the particular vehicle combination.

Table A to Clause 5 — Minimum axle spacings

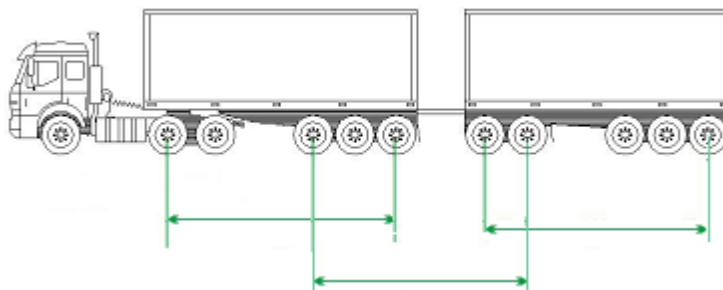
Item	Adjacent axles or axle groups	Minimum distance
1.	single axle to single axle	2.5 m
2.	single axle to tandem axle group	4.3 m
3.	single axle to tri-axle group	5.5 m
4.	tandem axle group to tandem axle group	6.8 m
5.	tandem axle group to tri-axle group	8.0 m
6.	tri-axle group to tri-axle group	9.2 m

Table B to Clause 5 — Minimum axle spacings

Item	Adjacent axles or axle groups	Minimum distance
1.	single axle to single axle	2.5 m
2.	single axle to tandem axle group	4.3 m
3.	single axle to tri-axle group	5.5 m
4.	tandem axle group to tandem axle group	5.6 m
5.	tandem axle group to tri-axle group	6.9 m

5.2 For the purposes of subclause 5.1:

- (a) the distance between two (2) adjacent single axles is the distance measured between the centres of the axles; and
- (b) the distance between two (2) adjacent axle groups is the distance measured between the centres of the outmost extreme axles of the two adjacent axle groups.



How to measure axle spacings

Note: “single axle” does not include a single steer axle; and “tandem axle group” does not include a twinsteer axle group.

6. Speed Restriction

A RAV must not be driven on a road at a speed that exceeds:

- (a) the maximum speed (if any) specified as a condition for the road in the applicable RAV Network Road Table; or
- (b) if no maximum speed is specified as a condition in relation to a Local Government road in the applicable RAV Network Road Table - the speed must not exceed 10 km/h lower than the posted speed limit for that road where that speed is greater than 60 km/h.

7. Approved Roads

- 7.1 A RAV must not be driven on any road that is not listed in the RAV Network specified for the particular vehicle category in Section 2.
- 7.2 The RAV Networks are subject to periodic amendments, which include additional roads being included in the lists, roads being removed from the lists, or amendments being made to a condition relating to a particular road in the lists. RAV Networks updates will be effective from the Wednesday following the amendment and the RAV Networks are maintained on the Main Roads website. Operators and drivers are required to ensure they are operating vehicles on the public road network in accordance with the current and up to date RAV Networks.
- 7.3 RAV Networks 2 to 7 and 9 to 10 consists of some Low Volume roads that do not strictly comply with the assessment guidelines. These roads have been approved due to the low traffic volumes and are subject to the following additional conditions:
 - (a) “Type A” Low Volume roads:
 - i. Current written approval from the road owner, endorsing use of the road, must be obtained, carried in the vehicle and produced upon request;
 - ii. Operation is not permitted while the school bus is operating on the particular road. Operators must contact the relevant schools directly for school bus timetables; or where direct contact can be made with the school bus driver, operation is permitted once the school bus driver confirms all school drop-offs / pick-ups have been completed on the particular road;

- iii. Headlights must be switched on at all times;
- iv. When travelling at night, the RAV must travel at a maximum speed of 40km/h and display an amber flashing warning light on the prime mover;
- v. No operation on unsealed road segment when visibly wet, without road owner's approval; and
- vi. Direct radio contact must be maintained with other RAV's to establish their position on or near the road (UHF channel 40).

(b) "Type B" Low Volume roads:

- i. All conditions stipulated in subclause 7.3(a) for "Type A" Low Volume roads apply; and
- ii. For a single lane road, the road must not to be entered until the driver has established via radio contact that there is no other RAV on the road travelling in the oncoming direction, and
- iii. The RAV must not exceed a speed of 40 km/h.

8. Height Approval

- 8.1 A RAV exceeding 4.3 m in height must not be driven on a road without current written approvals from all the relevant overhead Cable Operators.
- 8.2 Despite paragraph 8.1, a RAV may travel on a road listed in RAV Network 2 without approval from the relevant Cable Operators, unless otherwise specified as a road condition in the RAV Network 2 Road Tables.

Note 1: "Contact Details for Other Agency Approvals" are available on the Main Roads website.

- 8.3 A vehicle must not be driven under a bridge unless there is sufficient clearance. It is an offence under the Road Traffic Code 2000 to drive past a "Clearance" or "Low Clearance" sign if the vehicle or load is higher than the height indicated on the sign. A *Bridge Heights* list is available on the permits page of the Main Roads website, which identifies bridges with a low clearance.

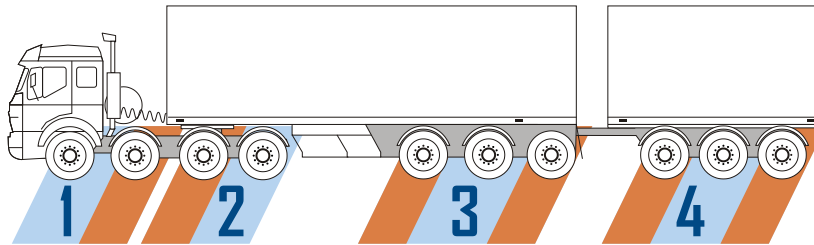
9. Diagrams

A diagram in an item in Section Two is an example of a vehicle of a kind to which the clause applies, however the diagram may not represent all such vehicles and does not represent the dimensions of such a vehicle.

SECTION TWO

RAV Category 1

A. RAV Category 1 — Prime Mover, Semi Trailer towing a Pig Trailer – 20 m, 50 t



Vehicle

1.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or a twinsteer axle group and a semi trailer with one (1), two (2) or three (3) axles towing a pig trailer with one (1), two (2) or three (3) axles where the height of the pig trailer and its load (if any) is not more than 3.5 m when measured vertically from the ground; and
- (b) has four (4) axle groups.

Conditions

1.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 20 m in length;
- (c) it does not have a loaded mass exceeding the lesser of:
 - (i) The sum of the allowed mass limits of all axle groups and single axles as provided in the Vehicles Regulations; and
 - (ii) 50 t;
- (d) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load or multi modal container;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

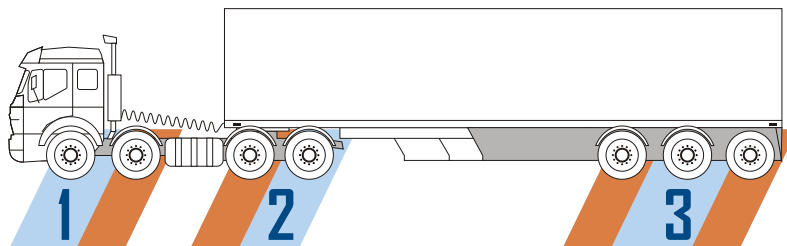
- 1.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

1.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the *Road Traffic (Vehicles) Regulations 2014* (Height of vehicles)

B. RAV Category 1 — Prime Mover towing an Over-height Semi Trailer



Vehicle

2.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twin steer axle group towing a semi trailer with one (1), two (2) or three (3) axles; and
- (b) has three (3) axle groups.

Conditions

2.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying a multi modal container;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

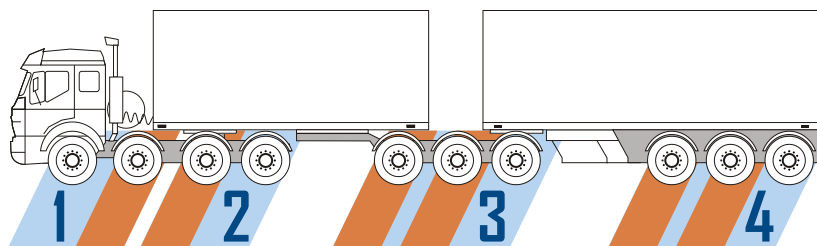
- 2.3 (a) Vehicle combinations exceeding 4.3 m, however not exceeding 4.6 m in height may be driven on any road, other than a road listed in RAV Network 1, subject to Clause 8 of Section 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

2.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the *Road Traffic (Vehicles) Regulations 2014* (Height of vehicles)

C. RAV Category 1 — Short B-double - 20 m and 50 t



Vehicle

3.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover towing two (2) semi trailers with one (1), two (2) or three (3) axles each; and
- (b) has four (4) axle groups.

Conditions

3.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 20 m in length;
- (c) it does not have a loaded mass exceeding the lesser of:
 - (i) The sum of the allowed mass limits of all axle groups and single axles as provided in the Vehicles Regulations; and
 - (ii) 50 t;
- (d) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

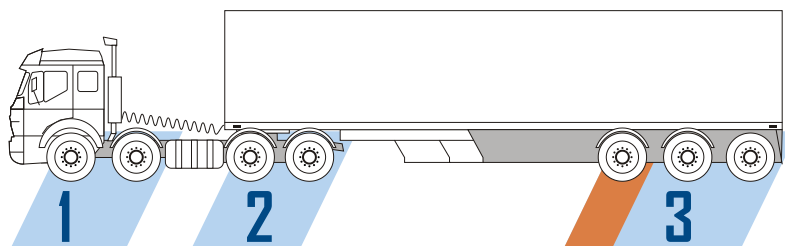
- 3.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

3.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the *Road Traffic (Vehicles) Regulations 2014* (Height of vehicles)

D. RAV Category 1 — Twinsteer Prime Mover towing a Semi Trailer - 19 m and 47.5 t



Vehicle

4.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a twinsteer axle group and tandem axle drive group towing a semi trailer with two (2) or three (3) axles; and
- (b) has three (3) axle groups.

Conditions

4.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not have a loaded mass exceeding the lesser of:
 - (i) The sum of the allowed mass limits of all axle groups and single axles as provided in the Vehicles Regulations; and
 - (ii) 47.5 t;
- (c) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying a multi modal container;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

- 4.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

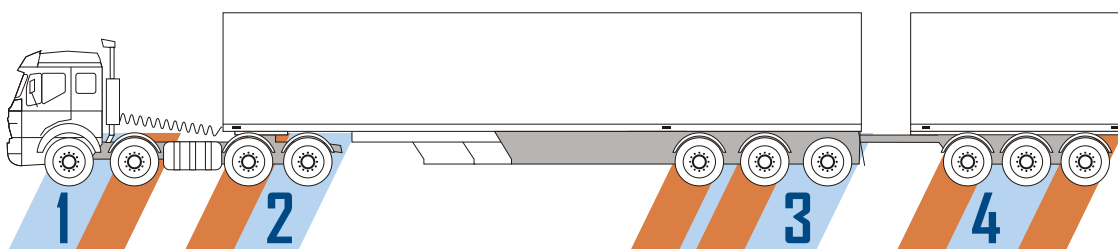
Exemptions

4.4 The vehicle combination is exempt from the following provisions:

- (a) 177(1) of the *Road Traffic (Vehicles) Regulations 2014* (Height of vehicles);
- (b) Part 8 Division 1 Subdivision 2 165(2) & (3) of the *Road Traffic (Vehicles) Regulations 2014* (Mass limits relating to axle spacing); and
- (c) Part 8 Division 1 Subdivision 2 166(2) of the *Road Traffic (Vehicles) Regulations 2014* (Total combination mass).

RAV Category 2

A. RAV Category 2 — Prime Mover, Semi Trailer towing a Pig Trailer - 27.5 m, 65.5 t



Vehicle

5.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and a semi trailer with one (1), two (2) or three (3) axles towing a pig trailer or converter dolly with one (1), two (2) or three (3) axles where the height of the pig trailer and its load (if any) is not more than 3.5 m when measured vertically from the ground;
- (b) has four (4) axle groups; and
- (c) is not carrying a load on the converter dolly.

Conditions

5.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 27.5 m in length;
- (c) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying an overheight indivisible load or multi-modal container;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

- 5.3 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

5.4 This vehicle combination is exempt from the following provisions:

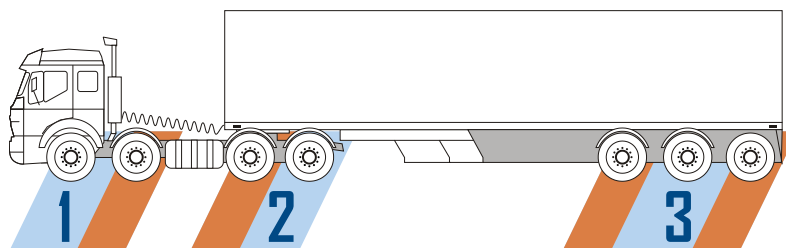
- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

Note

Converter Dolly: Current legislation¹ allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance: If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all wheels.

¹ Road Traffic (Vehicles) Regulations 2014 r 340 (2)

B. RAV Category 2 — Prime Mover towing a Semi Trailer - 20 m, 47.5 t



Vehicle

- 6.1 This item applies to a vehicle combination that:
- (a) consists of a prime mover with a single steer or a twinsteer axle group towing a semi trailer with one (1), two (2) or three (3) axles; and
 - (b) has three (3) axle groups.
- 6.2 The semi trailer may be a 16.15 m (53') long trailer where the "S" dimension is not more than 10.5m and the rear overhang is not more than 4.2 m where the load consists of a freight container longer than 48' and up to 53' in length and the load does not project beyond the rear of the trailer.

Conditions

- 6.3 This vehicle combination may operate on the "RAV Network" prescribed below, provided that:
- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
 - (b) it does not exceed 20 m in length;
 - (c) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

- 6.4 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

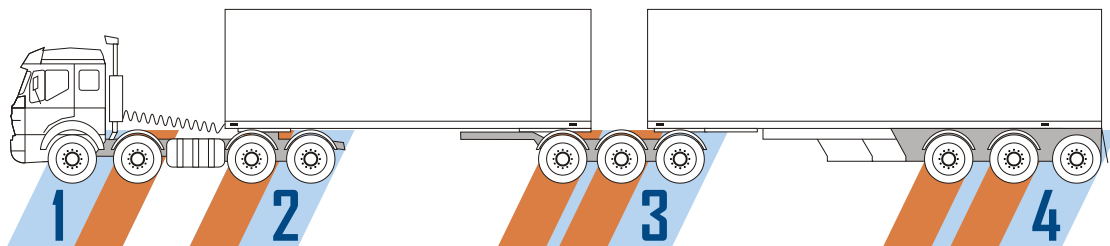
Exemptions

- 6.5 The vehicle combination is exempt from the following provisions:
- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles);
 - (b) 173(1) (b) of the Road Traffic (Vehicles) Regulations 2014 (Distance between point of articulation and rear of semi-trailer) mentioned in subclause 6.2 only;
 - (c) 175(1) of the Road Traffic (Vehicles) Regulations 2014 (Rear overhang on semi-trailers and dog trailers) mentioned in subclause 6.2 only; and
 - (d) 174(1) (d) of the Road Traffic (Vehicles) Regulations 2014 (Length of combination)

Note

The 'S' dimension is the distance between the point of articulation (king pin) and the line from which the rear overhang is measured (centre of the rear axle group).

C. RAV Category 2 — B-double - 27.5 m, 67.5 t



Vehicle

7.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or a twinsteer axle group towing two (2) semi-trailers with one (1), two (2) or three (3) axles each; and
- (b) has a total of four (4) axle groups.

Conditions

7.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 27.5 m in length;
- (c) The two (2) semi-trailers used in a B-double combination must not exceed 22 m in combined length, measured from the front of the lead semi-trailer to the rear of the second semi-trailer (including the space between the semi-trailers and excluding any rounded front or attachment to the front of the lead trailer);
- (d) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

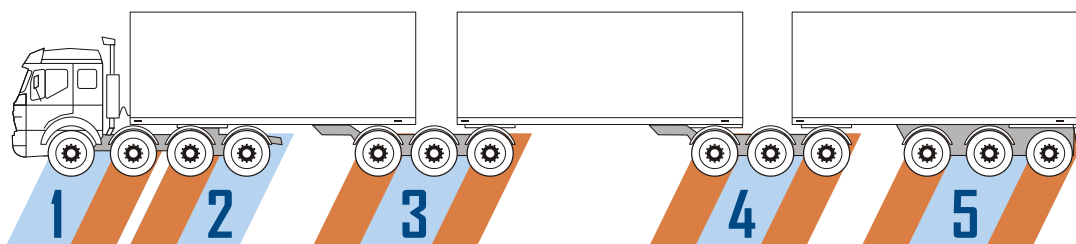
- 7.3 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

7.4 The vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles); and
- (b) 174(1) (a) of the Road Traffic (Vehicles) Regulations 2014 (Length of B-double).

D. RAV Category 2 — Short B-triple - 27.5 m, 87.5 t



Vehicle

8.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twin steer axle group and tandem axle drive group towing three (3) consecutive semi trailers each with one (1), two (2) or three (3) axles; and
- (b) has a total of five (5) axle groups.

Conditions

8.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 27.5 m in length;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying over height indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

- 8.3 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.
- (c) A RAV must not be driven over a restricted bridge specified as a condition for the following roads in the RAV Network 2 Road Tables:

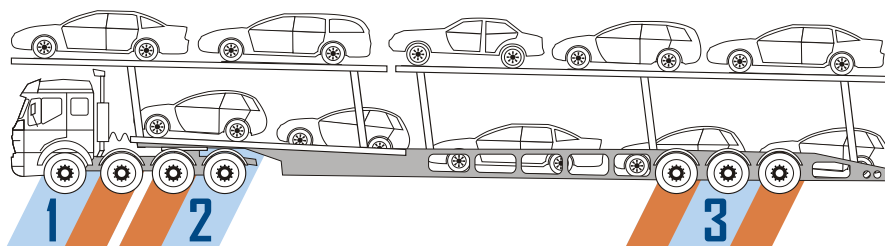
Carnarvon - Mullewa Rd (Shire of Murchinson)
Coalseam Rd (Shire of Mingenew)
Crossman – Dwarda Rd (Shire of Wandering)
Cubbine Rd (Shire of Quairading)
Coorow – Greenhead Rd (Shire of Coorow)
Dangin – Mears Rd (Shire of Brookton and Shire of Quairading)
Bristol Rd (Shire of Waroona)
Beecroft Rd (Shire of Goomalling)
Badjaling South Rd (Shire of Quairading)
Kellerberrin – Shackleton Rd (Shire of Bruce Rock and Shire of Kellerberrin)
Belka East Rd (Shire of Bruce Rock)
Vietch Rd (Shire of Bruce Rock)

Exemptions

8.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles)

E. RAV Category 2 — Prime Mover towing a Car Carrier Semi Trailer - 25 m



Vehicle

9.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twin steer axle group towing a semi trailer with one (1), two (2) or three (3) axles;
- (b) is designed to carry vehicles on more than one (1) overlapping deck; and
- (c) has three (3) axle groups.

Conditions

9.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that it complies with the minimum axle spacing requirements specified in Table A of Clause 5;

Network

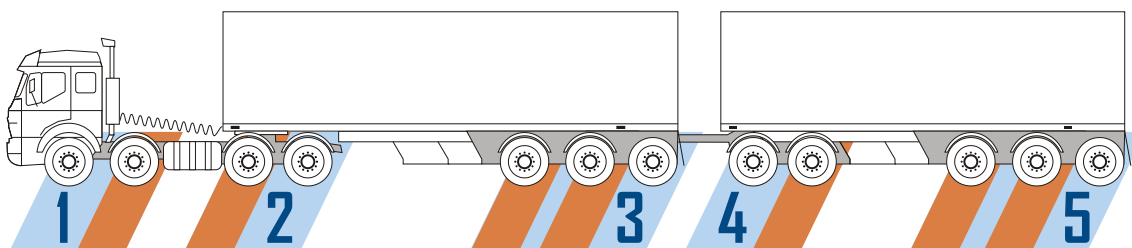
- 9.3 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street Perth.

Exemptions

9.4 This vehicle combination is not exempt from any provisions of the Vehicles Regulations.

RAV Category 3

A. RAV Category 3 — Prime Mover, Semi Trailer towing a Dog Trailer - 27.5 m, 84 t



Vehicle

10.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or winsteer axle group and semi trailer with one (1), two (2) or three (3) axles towing a dog trailer where the dog trailer has not more than five (5) axles, and the converter dolly or the fixed dolly of the dog trailer does not include more than two (2) axles; and
- (b) has a total of five (5) axle groups.

Conditions

10.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) it does not exceed 27.5 m in length;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock; or
 - (iii) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

10.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 3, subject to the conditions (if any) specified in the Road Tables.

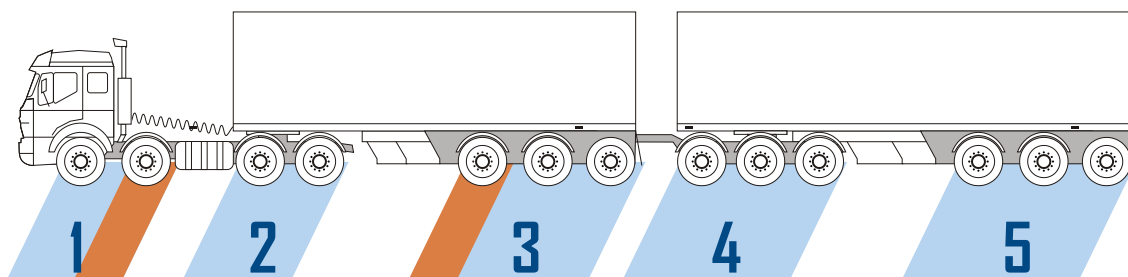
Exemptions

10.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

RAV Category 4

A. RAV Category 4 — Prime Mover, Semi Trailer towing a 6 axle Dog Trailer - 27.5 m, 87.5 t



Vehicle

11.1 This item applies to a vehicle combination that:

- (a) includes a prime mover with a single steer or winsteer axle group and tandem axle drive group and semi trailer with two (2) or three (3) axles towing a dog trailer with six (6) axles; and
- (b) has a total of five (5) axle groups.

Conditions

11.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it does not exceed 27.5 m in length;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock; or
 - (iii) carrying overheight indivisible load/s or multi modal container/s; the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

11.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 4, subject to the conditions (if any) specified in the Road Tables.

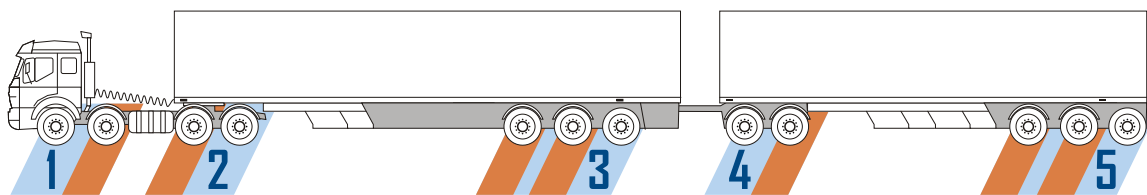
Exemptions

11.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

RAV Category 5

A. RAV Category 5 — Prime Mover, Semi Trailer towing a Dog Trailer - 36.5 m, 84 t



Vehicle

12.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and semi trailer with one (1), two (2) or three (3) axles towing a dog trailer where the dog trailer has not more than five (5) axles, and the converter dolly or fixed dolly of the dog trailer does not include more than two (2) axles; and
- (b) has a total of five (5) axle groups.

Conditions

12.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

12.3 This vehicle combination may carry a dog trailer by means of stacking the dog trailer onto a semi-trailer, provided:

- (a) The dog trailer is only carried on the lead semi-trailer (attached to the prime mover) in the vehicle combination;
- (b) The vehicle combination is not carrying any other load on the lead semi-trailer, other than the dog trailer;
- (c) The dog trailer being carried does not project beyond the rear of the lead semi trailer, except for the drawbar;
- (d) The drawbar of the dog trailer being carried may only project into the space between the trailers, provided the end of the drawbar is not vertically above the tray of the towed dog trailer;
- (e) The height of the vehicle combination must not exceed 4.6 m; and
- (f) The drawbar of the dog trailer being carried must be secured in a raised position by a device capable of securing the draw bar under all road conditions and the drawbar must safely clear all other components under all road conditions.

Network

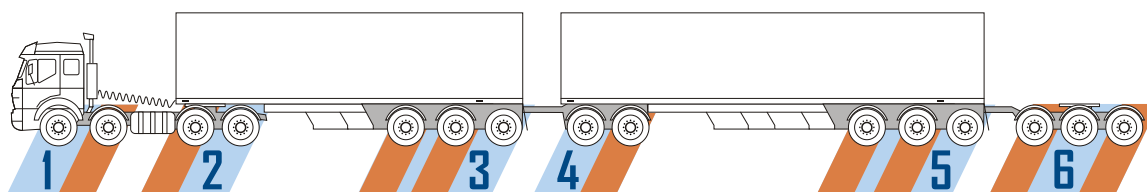
12.4 The vehicle combination must not be driven on any road except a road specified in RAV Network 5, subject to the conditions (if any) specified in the Road Tables.

Exemptions

12.5 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

B. RAV Category 5 — Prime Mover, Semi Trailer towing a Dog Trailer and Converter Dolly - 27.5 m, 84 t, plus converter dolly



Vehicle

13.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and semi trailer with one (1), two (2) or three (3) axles towing a dog trailer where the dog trailer has not more than five (5) axles, and the converter dolly or fixed dolly of the dog trailer does not include more than two (2) axles, towing an unloaded one (1) or two (2) or three (3) axle converter dolly; and
- (b) has a total of six (6) axle groups

Conditions

13.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) a vehicle combination towing single or tandem axle dollies complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) a vehicle combination towing tri axle dollies complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (c) it is not more than 27.5 m long when disregarding the unloaded converter dolly;
- (d) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

13.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 5, subject to the conditions (if any) specified in the Road Tables.

Exemptions

13.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

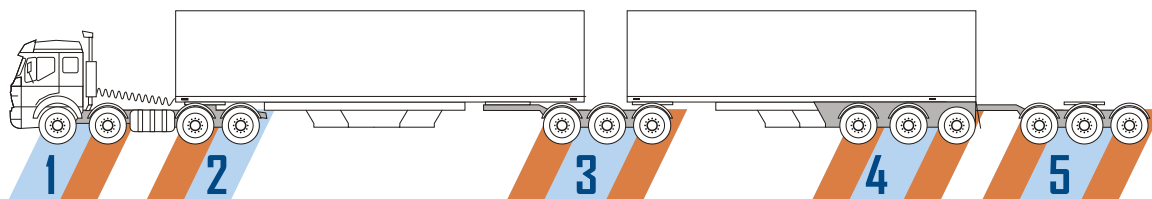
Note

Converter Dolly: Current legislation² allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance:

If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all wheels.

² Road Traffic (Vehicles) Regulations 2014, r 340(2)

C. RAV Category 5 —B-double towing a Converter Dolly - 27.5 m, 67.5 t, plus converter dolly



Vehicle

14.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single axle or a twinsteer axle group towing two (2) semi-trailers with one (1), two (2) or three (3) axles each towing an unloaded one (1) or two (2) or three (3) axle converter dolly; and
- (b) has a total of five (5) axle groups.

Conditions

14.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) a vehicle combination towing single or tandem axle dollies complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) a vehicle combination towing tri axle dollies complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (c) it is not more than 27.5 m long when disregarding the unloaded converter dolly;
- (d) where the semi-trailers are not built to carry livestock, the two (2) semi-trailers used in a B-double combination must not exceed 22 m in combined length, measured from the front of the lead semi-trailer to the rear of the second semi-trailer (including the space between the semi-trailers and excluding any rounded front or attachment to the front of the lead trailer);
- (e) where the semi-trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

14.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 5, subject to the conditions (if any) specified in the Road Tables.

Exemptions

14.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

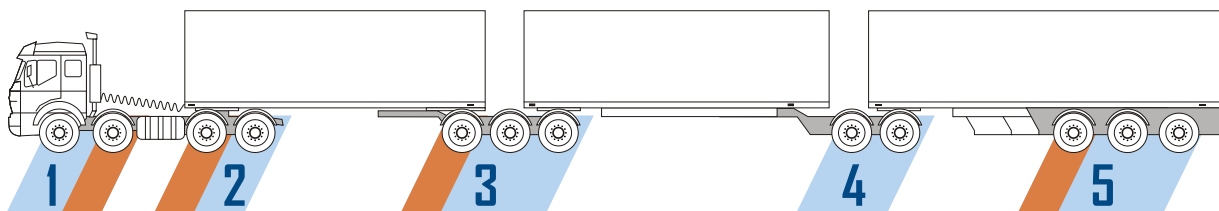
Note

Converter Dolly: Current legislation³ allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance:

If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all wheels.

³ Road Traffic (Vehicles) Regulations 2014, r 340(2)

D. RAV Category 5 — B-triple - 36.5 m, 84 t



Vehicle

15.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group towing three (3) consecutive semi trailers, the first with two (2) or three (3) axles, the second with two (2) axles and the third with two (2) or three (3) axles; and
- (b) has a total of five (5) axle groups.

Conditions

15.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s; the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

15.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 5, subject to the conditions (if any) specified in the Road Tables.

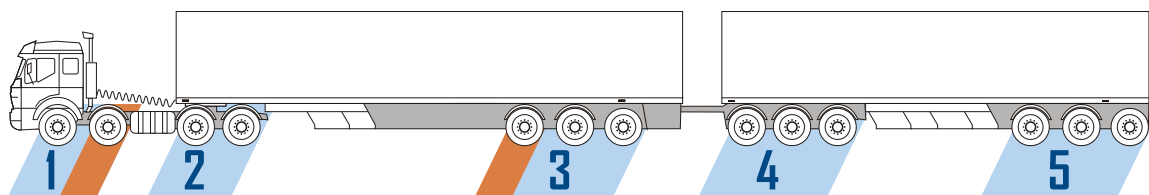
Exemptions

15.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

RAV Category 6

A. RAV Category 6 — Prime Mover, Semi Trailer towing a 6 axle Dog Trailer - 36.5 m, 87.5 t



Vehicle

16.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and tandem axle drive group and semi trailer with two (2) or three (3) axles towing a dog trailer with six (6) axles;
- (b) has a total of five (5) axle groups.

Conditions

16.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock; or
 - (iii) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

16.3 This vehicle combination may carry a dog trailer by means of stacking the dog trailer onto a semi-trailer, provided:

- (g) The dog trailer is only carried on the lead semi-trailer (attached to the prime mover) in the vehicle combination;
- (h) The vehicle combination is not carrying any other load on the lead semi-trailer, other than the dog trailer;
- (i) The dog trailer being carried does not project beyond the rear of the lead semi trailer, except for the drawbar;
- (j) The drawbar of the dog trailer being carried may only project into the space between the trailers, provided the end of the drawbar is not vertically above the tray of the towed dog trailer;
- (k) The height of the vehicle combination must not exceed 4.6 m; and
- (l) The drawbar of the dog trailer being carried must be secured in a raised position by a device capable of securing the drawbar under all road conditions and the drawbar must safely clear all other components under all road conditions.

Network

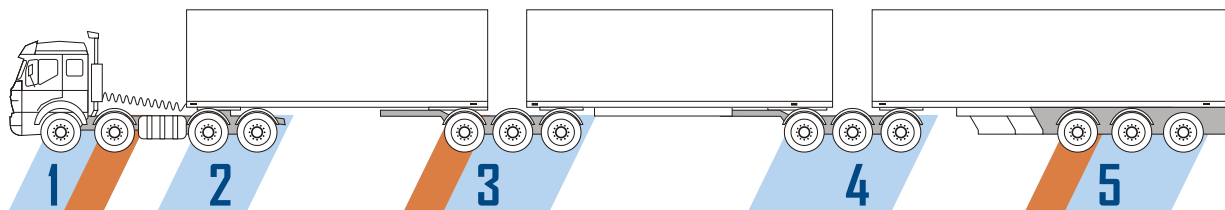
16.4 The vehicle combination must not be driven on any road except a road specified in RAV Network 6, subject to the conditions (if any) specified in the Road Tables.

Exemptions

16.5 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

B. RAV Category 6 — B-triple - 36.5 m, 87.5 t



Vehicle

17.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or winsteer axle group and tandem axle drive group towing three (3) consecutive semi trailers each with two (2) or three (3) axles; and
- (b) has a total of five (5) axle groups.

Conditions

17.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

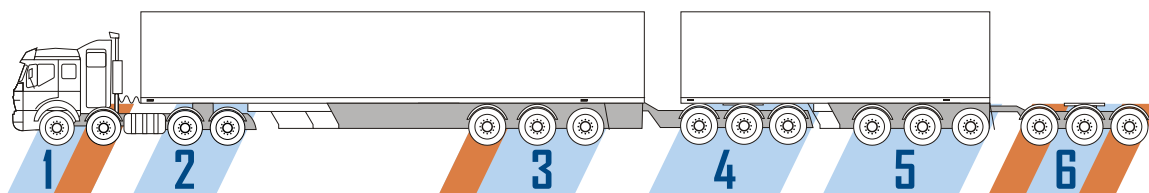
17.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 6, subject to the conditions (if any) specified in the Road Tables.

Exemptions

17.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

C. RAV Category 6 — Prime Mover, Semi Trailer towing a 6 axle Dog Trailer and Converter Dolly - 27.5 m, 87.5 t, plus converter dolly



Vehicle

18.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and tandem axle drive group and semi trailer with two (2) or three (3) axles towing a dog trailer with six (6) axles and an unloaded one (1), two (2) or three (3) axle converted dolly; and
- (b) has a total of six (6) axle groups.

Conditions

18.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) a vehicle combination towing single or tandem axle dollies complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) a vehicle combination towing tri axle dollies complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (c) it is not more than 27.5 m long when disregarding the unloaded converter dolly;
- (d) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

18.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 6, subject to the conditions (if any) specified in the Road Tables.

Exemptions

18.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

Note

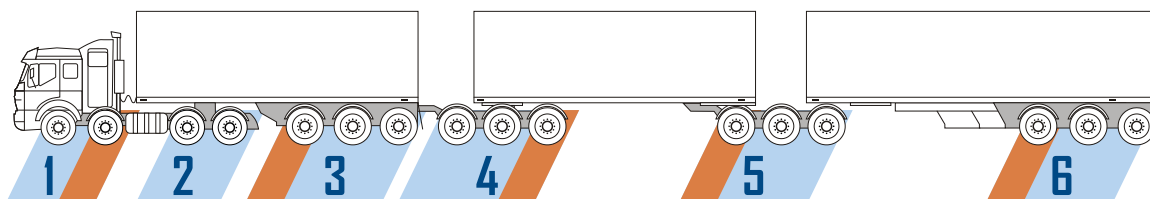
Converter Dolly: Current legislation⁴ allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance:

If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all of its wheels.

⁴ Road Traffic (Vehicles) Regulations 2014, r 340(2)

RAV Category 7

A. RAV Category 7 — Prime Mover towing Semi Trailer and B-double - 36.5 m, 107.5 t



Vehicle

19.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or winsteer axle group and tandem axle drive group and semi trailer with two (2) or three (3) axles towing a converter dolly with two (2) or three (3) axles connected to two (2) consecutive semi trailers each with two (2) or three (3) axles; and
- (b) has a total of six (6) axle groups.

Conditions

19.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

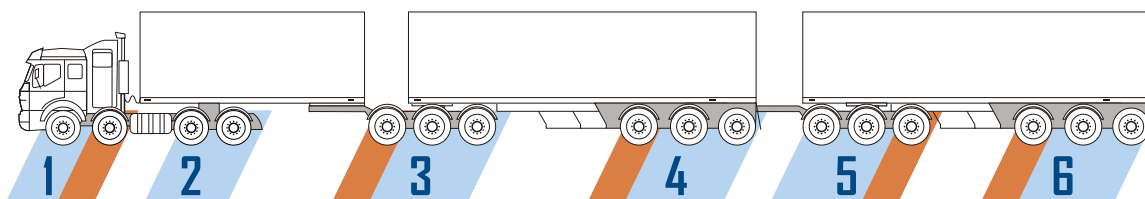
19.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 7, subject to the conditions (if any) specified in the Road Tables.

Exemptions

19.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

B. RAV Category 7 — B-double towing a Dog Trailer - 36.5 m, 107.5 t



Vehicle

20.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single or a twinsteer axle group and tandem axle drive group towing two (2) consecutive semi trailers having two (2) or three (3) axles each and towing a dog trailer with four (4), five (5) or six (6) axles; and
- (b) has a total of six (6) axle groups.

Conditions

20.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 27.5 m long but not more than 36.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

20.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 7, subject to the conditions (if any) specified in the Road Tables.

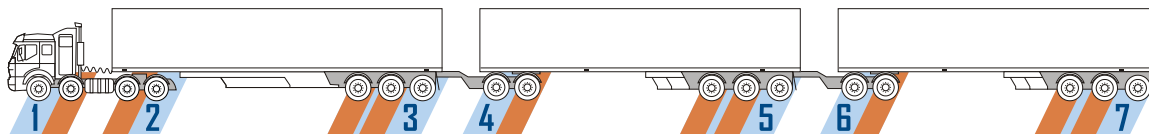
Exemptions

20.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

RAV Category 9

A. RAV Category 9 — Prime Mover, Semi Trailer towing 2 Dog Trailers - 53.5 m, 120.5 t



Vehicle

21.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or a twinsteer axle group and a semi trailer with one (1), two (2) or three (3) axles towing two (2) consecutive dog trailers each having from two (2) to five (5) axles with no more than two (2) axles in the axle group on the converter dolly or fixed dolly; and
- (b) has a total of seven (7) axle groups.

Conditions

21.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

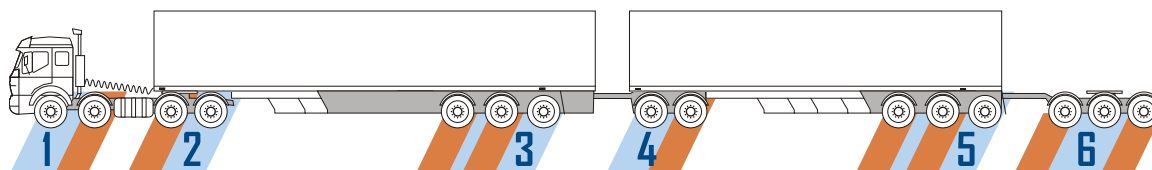
21.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 9, subject to the conditions (if any) specified in the Road Tables.

Exemptions

21.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

B. RAV Category 9 — Prime Mover, Semi Trailer towing a Dog Trailer and Converter Dolly - 36.5 m, 84 t, plus converter dolly



Vehicle

22.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and semi trailer with one (1), two (2) or three (3) axles towing a dog trailer where the dog trailer has not more than five (5) axles, and the converter dolly or fixed dolly of the dog trailer does not include more than two (2) axles, towing an unloaded one (1) or two (2) or three (3) axle converter dolly; and
- (b) has a total of six (6) axle groups.

Conditions

22.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) it is not more than 36.5 m long when disregarding the unloaded dolly;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

22.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 9, subject to the conditions (if any) specified in the Road Tables.

Exemptions

22.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

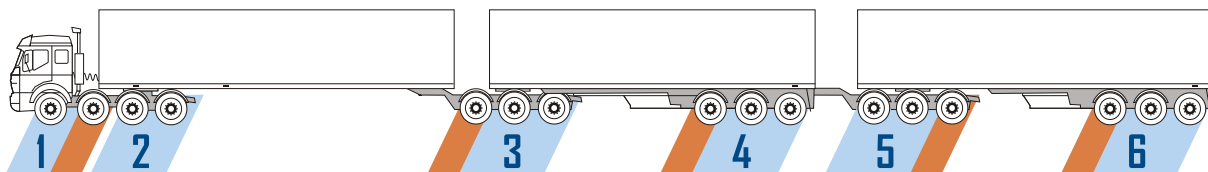
Note

Converter Dolly: Current legislation⁵ allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance:

If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all of its wheels

⁵ Road Traffic (Vehicles) Regulations 2014 r. 340(2)

C. RAV Category 9 — B-double towing a Dog Trailer - 45 m, 107.5 t



Vehicle

23.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twin steer axle group and tandem axle drive group towing two (2) consecutive semi trailers having two (2) or three (3) axles each and towing a complying (Class A licensed) dog trailer with four (4), five (5) or six (6) axles; and
- (b) has a total of six (6) axle groups; and
- (c) the two (2) semi-trailers used in a B-double combination must not exceed 22 m in combined length, measured from the front of the lead semi-trailer to the rear of the second semi-trailer (including the space between the semi-trailers and excluding any rounded front or attachment to the front of the lead trailer).

Conditions

23.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 45 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

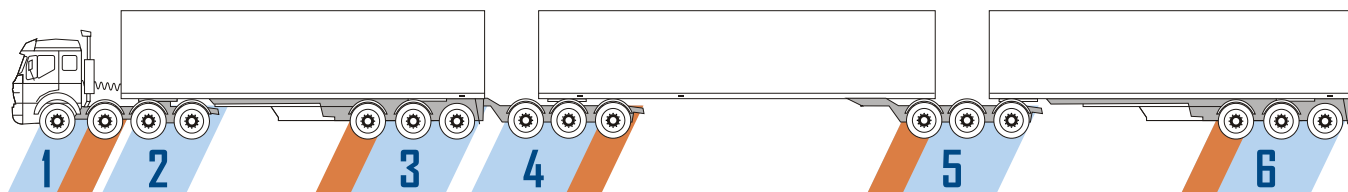
23.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 9, subject to the conditions (if any) specified in the Road Tables.

Exemptions

23.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

D. RAV Category 9 —Prime Mover, Semi Trailer towing a B-double - 45 m, 107.5 t



Vehicle

24.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twin steer axle group and tandem axle drive group and a complying (Class A licensed) semi trailer with two (2) or three (3) axles towing a converter dolly with two (2) or three (3) axles connected to two (2) consecutive semi trailers each with two (2) or three (3) axles; and
- (b) has a total of six (6) axle groups
- (c) the prime mover and semi trailer component of the vehicle combination must not exceed the Vehicle Regulations length limit of 19 m; and
- (d) the two (2) semi-trailers used in a B-double combination must not exceed 22 m in combined length, measured from the front of the lead semi-trailer to the rear of the second semi-trailer (including the space between the semi-trailers and excluding any rounded front or attachment to the front of the lead trailer).

Conditions

24.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 45 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

24.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 9, subject to the conditions (if any) specified in the Road Tables.

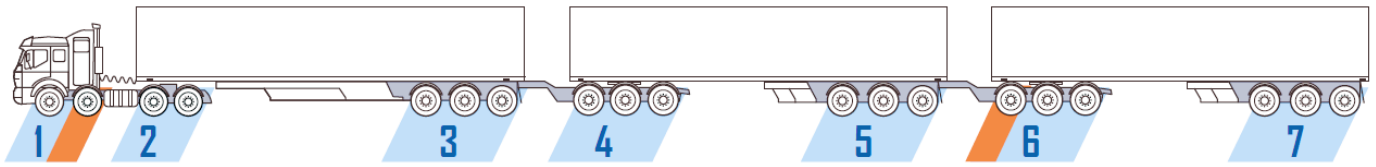
Exemptions

24.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

RAV Category 10

A. RAV Category 10 — Prime Mover, Semi Trailer towing two Dog Trailers - 53.5 m, 127.5 t



Vehicle

25.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or a twinsteer axle group and a tandem axle drive group towing a semi trailer with three (3) axles that is towing one (1) six (6) axle dog trailer and one (1) five (5) or six (6) axle rear dog trailer; and
- (b) has a total of seven (7) axle groups.

Conditions

25.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock; or
 - (iii) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

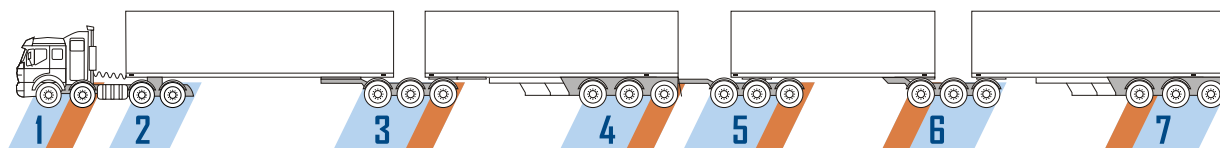
25.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

25.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

B. RAV Category 10 — B-double towing a Converter Dolly and connected to 2 Semi Trailers - 53.5 m, 127.5 t (Double B-double)



Vehicle

26.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or a twinsteer axle group and tandem axle drive group towing two (2) consecutive semi trailers followed by a converter dolly with two (2) or three (3) axles that are connected to two (2) consecutive semi trailers, where each of the four (4) semi trailers have two (2) or three (3) axles; and
- (b) has a total of seven (7) axle groups.

Conditions

26.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

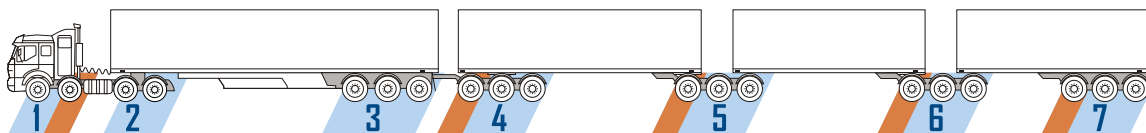
26.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

26.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

C. RAV Category 10 — Prime Mover, Semi Trailer towing a B-triple - 53.5 m, 127.5 t



Vehicle

27.1 This item applies to a vehicle combination that:

- (a) consists of, in the following order, a prime mover with a single steer or a twinsteer axle group and tandem axle drive group and three (3) axle semi trailer towing a two (2) or three (3) axle converter dolly that is connected to three (3) consecutive semi trailers, with two (2) or three (3) axles on each of the semi trailers; and
- (b) has a total of seven (7) axle groups.

Conditions

27.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailer is:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

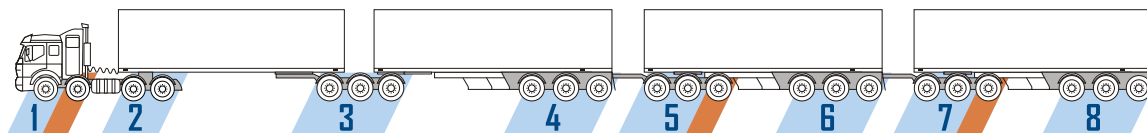
27.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

27.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

D. RAV Category 10 — B-double towing 2 Dog Trailers - 53.5 m, 147.5 t



Vehicle

28.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and tandem axle drive group and two (2) consecutive semi trailers towing two (2) consecutive dog trailers, with two (2) or three (3) axles on each converter dolly and three (3) axles on each of the four (4) semi trailers; and
- (b) has a total of eight (8) axle groups.

Conditions

28.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

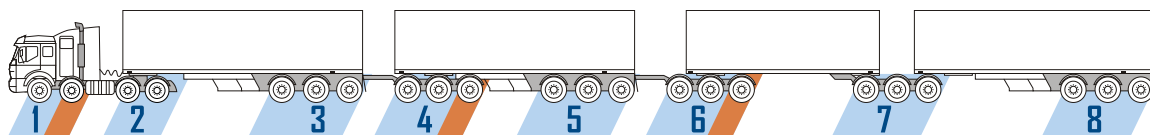
28.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

28.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

E. RAV Category 10 — Double Road Train towing a B-double - 53.5 m, 147.5 t



Vehicle

29.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or winsteer axle group and tandem axle drive group and a semi trailer towing a dog trailer, towing a converter dolly that is connected to two (2) consecutive semi trailers, where each converter dolly has two (2) or three (3) axles and each of the four (4) semi trailers have three (3) axles; and
- (b) has a total of eight (8) axle groups.

Conditions

29.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) it complies with the minimum axle spacing requirements specified in Table A of Clause;
- (b) it is more than 36.5 m long but not more than 53.5 m long;
- (c) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

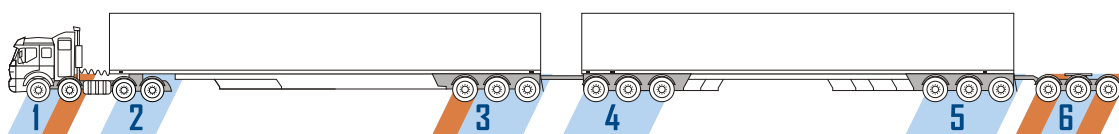
29.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

29.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

F. RAV Category 10 — Prime Mover, Semi Trailer towing a 6 axle Dog Trailer and Converter Dolly - 36.5 m, 87.5 t, plus converter dolly



Vehicle

30.1 This item applies to a vehicle combination that:

- (a) consists of a prime mover with a single steer or twinsteer axle group and a tandem axle drive group and semi trailer with two (2) or three (3) axles towing a dog trailer with six (6) axles and an unloaded one (1), two (2) or three (3) axle converter dolly; and
- (b) has a total of six (6) axle groups.

Conditions

30.2 This vehicle combination may operate on the “RAV Network” prescribed below, provided that:

- (a) a vehicle combination towing single or tandem axle dollies complies with the minimum axle spacing requirements specified in Table B of Clause 5;
- (b) a vehicle combination towing tri axle dollies complies with the minimum axle spacing requirements specified in Table A of Clause 5;
- (c) it is not more than 36.5 m long when disregarding the unloaded dolly;
- (d) where the semi trailers are:
 - (i) built to carry livestock;
 - (ii) carrying a crate built to carry livestock;
 - (iii) carrying vehicles on more than one deck; or
 - (iv) carrying overheight indivisible load/s or multi modal container/s;the height may exceed 4.3 m, however must not exceed 4.6 m.

Network

30.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 10, subject to the conditions (if any) specified in the Road Tables.

Exemptions

30.4 This vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles).

Note

Converter Dolly: Current legislation⁶ allows a concession from some of the braking requirements for the towing of unloaded converter dollies in certain circumstances. This is to prevent the wheels of the dolly from skidding when braking. The following is provided as an explanation of that legislative allowance:

If the prime mover has a GVM over 12 t and the converter dolly weighs less than 3 t, then the brake control line to the unladen converter dolly may be disconnected providing the supply line remains connected at all times. An unloaded converter dolly must have mudguards covering all of its wheels.

⁶ Road Traffic (Vehicles) Regulations 2014 r 340(2)