



Restricted Access Vehicles

Truck, Trailer Combinations

Operating Conditions



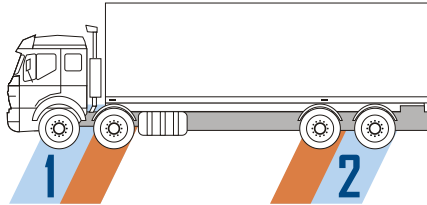
Amendments

Revision Number	Revision Date	Description of Key Changes	Section / Page No.
	12/10/2016	Amended "Type A" Low Volume Roads" Conditions	7.3
	10/02/2017	Amended "Exemption" Conditions	3.4, 5.4, 7.4
	3/11/2017	Replaced with Compulsory Heavy Vehicle Incident Reporting	3 / 8
	3/11/2017	Amended to refer to Bridge Height list on the permits page of the Main Roads website	8.3 / 9

SECTION TWO

RAV Category 1

A. RAV Category 1 — Truck – Over-height



Vehicle

1.1 This item applies to a vehicle that:

- (a) is a truck with a single steer or twin steer axle group; and
- (b) has two (2) axle groups.

Conditions

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

- (a) where the truck 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

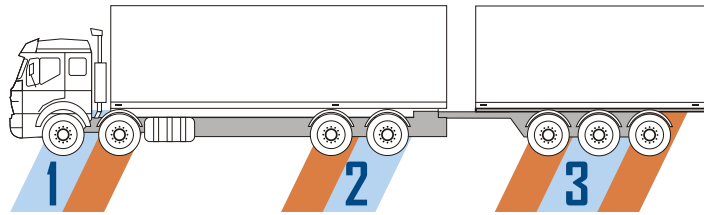
- 1.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street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

Exemptions

1.4 This vehicle is exempt from the following provisions:

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

B. RAV Category 1 — Truck towing Pig Trailer - 20 m, 45.5 t



Vehicle

2.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or a twinsteer axle group towing a pig trailer that does not exceed 4.3m in height 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) 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) 45.5 t;
- (d) where the truck 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

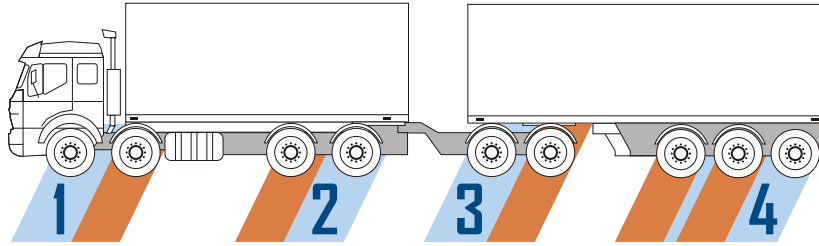
- 2.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street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

Exemptions

2.4 The vehicle combination is exempt from:

- (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);
- (c) Part 8 Division 1 Subdivision 2 166(2) of the Road Traffic (Vehicles) Regulations 2014 (Total combination mass); and
- (d) 174(1) (d) of the Road Traffic (Vehicles) Regulations 2014 (Length of combination).

C. RAV Category 1 — Truck towing a Dog Trailer - 20 m, 50 t



Vehicle

3.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or a twinsteer axle group towing a dog trailer, where the dog trailer has no more than five (5) axles, and the axle group of the converter dolly or fixed dolly does not include more than two (2) axles; 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 B of Clause 5;
- (b) it does not exceed 20 m in length; and
- (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 truck or 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

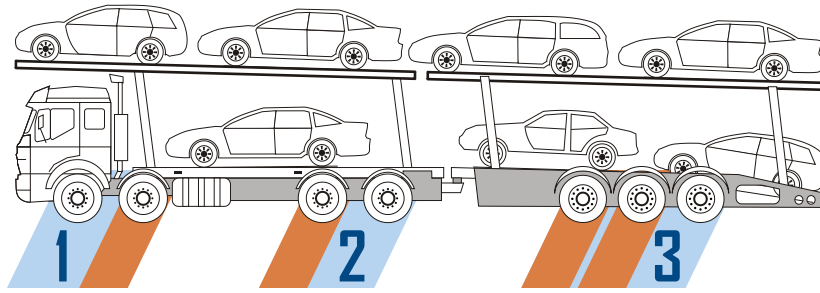
- 3.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street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

Exemptions

3.4 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);
- (c) Part 8 Division 1 Subdivision 2 166(2) of the Road Traffic (Vehicles) Regulations 2014 (Total combination mass);
- (d) Part 8 Division 1 Subdivision 2 166(3) of the Road Traffic (Vehicles) Regulations 2014 (Dog trailer and pig trailer towed mass ratio), on the condition that the ratio of the loaded mass of the truck to the loaded mass of the trailer does not exceed 1:1.62; and
- (e) 174(1)(d) of the Road Traffic (Vehicles) Regulations 2014 (Length of combination).

D. RAV Category 1 — Truck towing a Car Carrier Trailer - 20 m



Vehicle

4.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or twin steer axle group towing a trailer with one (1), two (2) or three (3) axles near the rear of the trailer and connected to the towing vehicle by a draw bar or turntable;
- (b) is designed to carry vehicles on more than one (1) overlapping deck; and
- (c) 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 exceed 20 m in length.

Network

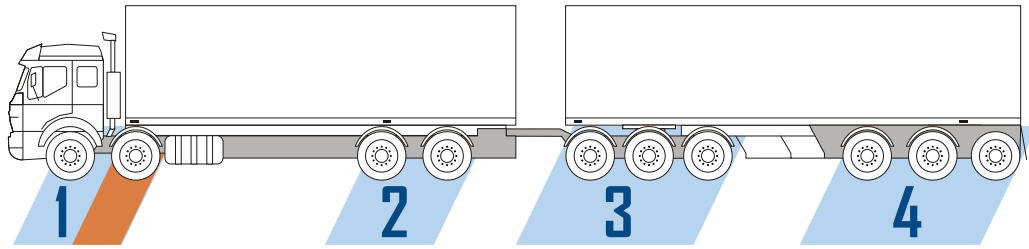
- 4.3 (a) Vehicle combinations up to 4.3 m in height may be driven on any road, other than a road listed in RAV Network 1;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell Freeway between Leach Highway and Powis Street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

Exemptions

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

RAV Category 2

A. RAV Category 2 — Truck towing a 6 axle Dog Trailer – 25 m, 67.5 t



Vehicle

5.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or a twinsteer axle group and a tandem drive axle group towing a six (6) axle dog trailer.
- (b) has a total of four (4) axle groups; and
- (c) where the motor vehicle is a block truck (modified prime mover), it must be constructed or modified with a fixed weight mounted such that the drive group supports not less than 14 t of mass.

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 25 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) 67.5 t;
- (d) where the truck or 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

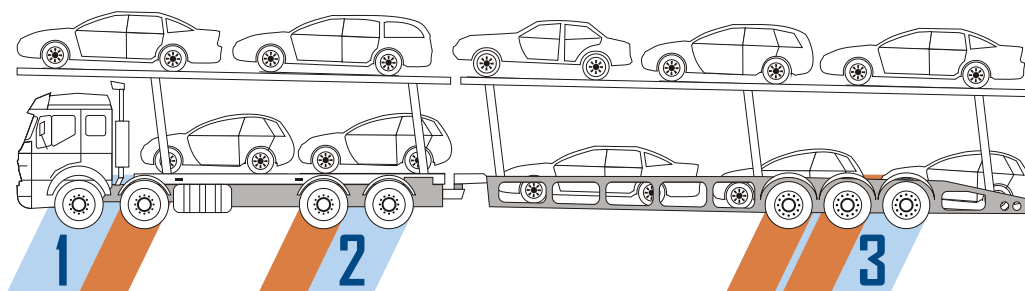
- 5.3 (a) The vehicle combination must not be driven on any road except a road specified in RAV Network 2, subject to the conditions (if any) specified in the Road Tables;
- (b) In addition to paragraph (a), vehicle combinations above 4.3 m in height must not be driven on the section of Kwinana and Mitchell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

Exemptions

5.4 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);
- (c) Part 8 Division 1 Subdivision 2 166(2) of the Road Traffic (Vehicles) Regulations 2014 (Total combination mass);
- (d) Part 8 Division 1 Subdivision 2 166(3) of the Road Traffic (Vehicles) Regulations 2014 (Dog trailer and pig trailer towed mass ratio), on the condition that the ratio of the loaded mass of the truck to the loaded mass of the trailer does not exceed 1:1.78 and
- (e) 174(1) (d) of the Road Traffic (Vehicles) Regulations 2014 (Length of combination).

B. RAV Category 2 — Truck towing a Car Carrier Trailer – 25 m



Vehicle

6.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or twin steer axle group towing a trailer with one (1), two (2) or three (3) axles near the rear of the trailer and connected to the towing vehicle by a draw bar or turntable;
- (b) is designed to carry vehicles on more than one (1) overlapping deck; and
- (c) has three (3) axle groups.

Conditions

6.2 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.

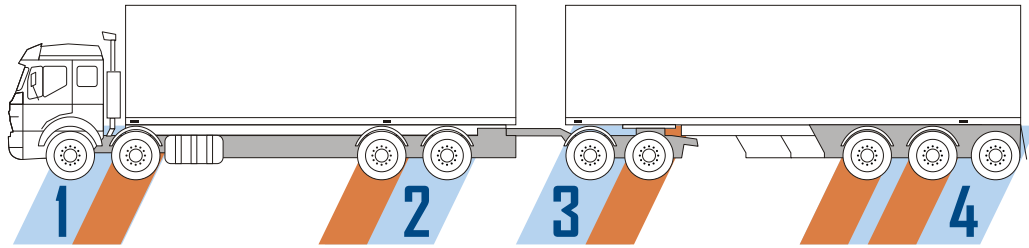
Network

- 6.3 (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

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

C. RAV Category 2 — Truck towing a Dog Trailer – 25 m, 64.0 t



Vehicle

7.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or a twinsteer axle group towing a dog trailer, where the dog trailer has two (2) to five (5) axles;
- (b) has a total of four (4) axle groups; and
- (c) where the motor vehicle is a block truck (modified prime mover), it must be constructed or modified with a fixed weight mounted such that the drive group supports not less than 14 t of mass.

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 B of Clause 5;
- (b) it does not exceed 25 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) 64.0 t;
- (d) where the truck or 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

- 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.

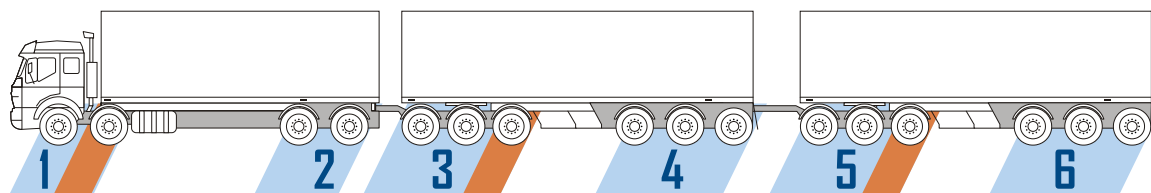
Exemptions

7.4 The vehicle combination is exempt from the following provisions:

- (a) 177(1) of the Road Traffic (Vehicles) Regulations 2014 (Height of vehicles);
- (b) Part 8 Division 1 Subdivision 2 165(2) & (3) of the Road Traffic (Vehicles) Regulations 2014 (Mass limits relating to axle spacing);
- (c) Part 8 Division 1 Subdivision 2 166(2) of the Road Traffic (Vehicles) Regulations 2014 (Total combination mass);
- (d) Part 8 Division 1 Subdivision 2 166(3) of the Road Traffic (Vehicles) Regulations 2014 (Dog trailer and pig trailer towed mass ratio), on the condition that the ratio of the loaded mass of the truck to the loaded mass of the trailer does not exceed 1:1.78 and
- (e) 174(1) (d) of the Road Traffic (Vehicles) Regulations 2014 (Length of combination).

RAV Category 7

A. RAV Category 7 — Truck towing two 5 or 6 axle Dog Trailers – 36.5 m, 107.5 t



Vehicle

8.1 This item applies to a combination that:

- (a) consists of a truck with a single steer or a twinsteer and tandem axle drive group truck towing two (2) consecutive dog trailers each having a total of five (5) or six (6) axles including two (2) or three (3) axles on the converter dolly or fixed dolly;
- (b) has a total of six (6) axle groups; and
- (c) where the motor vehicle is a block truck (modified prime mover), it must be constructed or modified with a fixed weight mounted such that the drive group supports not less than 14 t of mass.

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 is more than 27.5 m long but not more than 36.5 m long;
- (c) it does not exceed 4.3 m in height.

Network

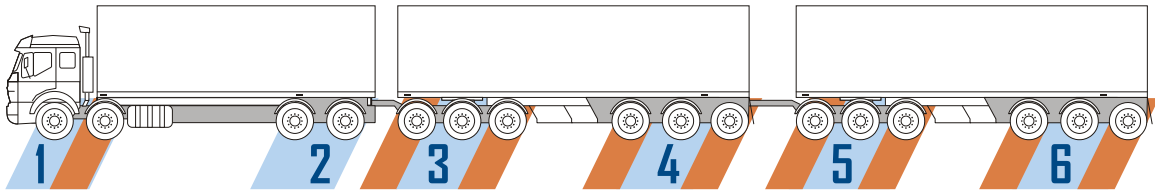
8.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 7, subject to the conditions (if any) specified in the Road Tables.

Exemptions

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

RAV Category 8

A. RAV Category 8 — Truck towing two Dog Trailers – 36.5 m, 107.5 t



Vehicle

9.1 This item applies to a vehicle combination that:

- (a) consists of a truck with a single steer or a twinsteer and tandem axle drive group towing two (2) consecutive dog trailers each having from two (2) to six (6) axles;
- (b) has a total of six (6) axle groups; and
- (c) where the motor vehicle is a block truck (modified prime mover), it must be constructed or modified with a fixed weight mounted such that the drive group supports not less than 14 t of mass.

Conditions

9.2 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) it does not exceed 4.3 m in height.

Network

9.3 The vehicle combination must not be driven on any road except a road specified in RAV Network 8, subject to the conditions (if any) specified in the Road Tables.

Exemptions

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