



mainroads  
WESTERN AUSTRALIA

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Western Australia.*

Oversize Divisible Products  
Prime Mover, Trailer Combinations  
Period Permit

# Operating Conditions

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Refer to the Main Roads website for the current version.

D10#77018  
July 2026

# Contents

|                                                         |           |
|---------------------------------------------------------|-----------|
| <b>DEFINITIONS .....</b>                                | <b>5</b>  |
| <b>REFERENCES AND RELATED DOCUMENTS .....</b>           | <b>6</b>  |
| <b>1 APPLICATION .....</b>                              | <b>7</b>  |
| 1.1 Approved Vehicles .....                             | 7         |
| 1.2 Approved Products .....                             | 8         |
| 1.3 Approved Axle Configuration .....                   | 8         |
| 1.4 Non-Approved Vehicles .....                         | 9         |
| <b>2 COMPULSORY WA HEAVY VEHICLE ACCREDITATION.....</b> | <b>9</b>  |
| 2.1 Requirement for Accreditation.....                  | 9         |
| 2.2 Effect on the Permit .....                          | 9         |
| 2.3 Non-Application of this Section .....               | 9         |
| <b>3 LICENSING REQUIREMENTS.....</b>                    | <b>9</b>  |
| 3.1 Requirement for Appropriate Vehicle Licensing ..... | 9         |
| 3.2 Complying with Licence Conditions.....              | 9         |
| <b>4 DIMENSION REQUIREMENTS .....</b>                   | <b>9</b>  |
| 4.1 Length Limits .....                                 | 9         |
| 4.2 Width Limits .....                                  | 10        |
| 4.3 Height Requirements .....                           | 10        |
| 4.4 Axle Spacings .....                                 | 10        |
| 4.5 Trailer Gap Requirements.....                       | 11        |
| 4.6 20m Prime Mover and Semi-Trailer Allowance .....    | 12        |
| <b>5 MASS REQUIREMENTS.....</b>                         | <b>13</b> |
| 5.1 Approved Axle Group Mass .....                      | 13        |
| 5.2 Towed Mass Ratio .....                              | 13        |
| <b>6 ACCESS REQUIREMENTS .....</b>                      | <b>13</b> |
| 6.1 Approved Roads and Conditions.....                  | 13        |
| 6.2 Prohibited Roads .....                              | 14        |
| 6.3 Speed Restrictions.....                             | 14        |
| 6.4 Minimum Following Distance .....                    | 14        |
| 6.5 Poor Visibility .....                               | 14        |
| 6.6 Overtaking .....                                    | 14        |
| 6.7 Parking .....                                       | 15        |
| <b>7 WARNING LIGHTS &amp; FLAGS.....</b>                | <b>15</b> |
| 7.1 Lights.....                                         | 15        |
| 7.2 Warning Flags.....                                  | 15        |
| <b>8 WARNING SIGN REQUIREMENTS .....</b>                | <b>15</b> |
| 8.1 Warning Signs for Certain Combinations .....        | 15        |
| 8.2 Oversize Warning Sign .....                         | 15        |

8.3 Warning Signs Specifications..... 16

8.4 Warning Signs Not to be Displayed on Other Vehicles..... 16

**9 COMPULSORY HEAVY VEHICLE INCIDENT REPORTING ..... 16**

**10 AMENDMENTS TO OPERATING CONDITIONS & ACCESS ..... 17**

10.1 Access Approval Suspension & Revocation..... 17

10.2 Amendments & Notifications ..... 17

**11 APPENDICES ..... 17**

Appendix 1 – RAV Warning Signs..... 18

Appendix 2 – Example RAV Warning Sign with Sizing Specifications ..... 19

# Document Control

|                  |                                           |
|------------------|-------------------------------------------|
| Owner            | Main Roads Heavy Vehicle Services         |
| Custodian        | Manager Heavy Vehicle Road Network Access |
| Document Number  | D10#77018                                 |
| Issue Date       | 16 November 2020                          |
| Review Frequency | As required.                              |

## Amendments

| Revision Number | Revision Date | Description of Key Changes                                                                                                                                      | Section                      |
|-----------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1               | 24/04/2020    | Updated document format and amended vehicle categories and access approvals.                                                                                    | All                          |
| 2               | 03/08/2020    | Changed name from RAV Network to Oversize Divisible Products Network                                                                                            | Section 1.1 and 2.3.4        |
| 3               | 08/09/2020    | Updated Compulsory Heavy Vehicle Incident Reporting.                                                                                                            | Section 6                    |
| 4               | 16/11/2020    | Amended definitions and the category 4 vehicles in table 1.1 to refer to Oversize Divisible Products Networks 7 and 8.                                          | Section 1.1                  |
| 5               | 01/07/2024    | Added RAV Warning Sign requirements.                                                                                                                            | s.5, Appendix 2 and 3.       |
| 6               | 01/08/2024    | Added standard following distance, poor visibility and overtaking clauses. Clarify RAV Warning Sign requirements.                                               | s.3 and 5, Appendix 2 and 3. |
| 7               | 12/11/2024    | Amended RAV warning sign requirements.                                                                                                                          | s.5                          |
| 8               | 21/01/2025    | Clarified “non-approved” vehicle combinations.                                                                                                                  | cl. 1.4                      |
| 9               | 4/11/2025     | Updated hyperlinks due to website changes. Clarified accreditation and licensing requirements. Clarified speed restrictions.                                    | s. 2, 3, 5                   |
| 10              | 31/07/2026    | Added trailer gap requirements. Incorporated revised national general mass and dimension limits. Added tow mass ratio requirements. Added parking requirements. | cl. 4.5, 4.6, 5.1, 5.2, 6.7  |

## DEFINITIONS

The following are definitions for terms used in these Operating Conditions. Refer to the definitions in the *Road Traffic (Administration) Act 2008* and the *Road Traffic (Vehicles) Act 2012* and any subsidiary legislation to these Acts for the meanings of any terms not defined in this section. If a definition in the relevant Acts or the subsidiary legislation conflicts with a definition in this section, the definition in this section prevails for the purpose of these Operating Conditions.

| Term                                         | Definition                                                                                                                                                                                              |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GTM</b>                                   | The Gross Trailer Mass rating specified by the manufacturer.                                                                                                                                            |
| <b>Load Restraint Guide</b>                  | The document entitled “Load Restraint Guide” Second Edition 2004 and published by the National Transport Commission established by the National Transport Commission Act 2003 (Commonwealth) section 5. |
| <b>Main Roads Website</b>                    | <a href="http://www.mainroads.wa.gov.au">www.mainroads.wa.gov.au</a>                                                                                                                                    |
| <b>Oversize Divisible Products Network 1</b> | The Oversize Divisible Products Network 1 prohibited roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                 |
| <b>Oversize Divisible Products Network 2</b> | The Oversize Divisible Products Network 2 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 3</b> | The Oversize Divisible Products Network 3 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 4</b> | The Oversize Divisible Products Network 4 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 5</b> | The Oversize Divisible Products Network 5 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 6</b> | The Oversize Divisible Products Network 6 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 7</b> | The Oversize Divisible Products Network 7 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Oversize Divisible Products Network 8</b> | The Oversize Divisible Products Network 8 approved roads are published in the form of Road Tables or are available on the RAV Mapping Tool on the Main Roads website.                                   |
| <b>Permit</b>                                | Means a permit issued under Part 4 of the Road Traffic (Vehicles) Act 2012, which these Operating Conditions form part of.                                                                              |
| <b>Permit Holder</b>                         | The Operator to whom the permit is issued.                                                                                                                                                              |
| <b>Posted Speed Limit</b>                    | The speed limit indicated by the numerals on the speed limit sign or 50 kilometres per hour in the absence of a speed limit sign in a built-up area.                                                    |
| <b>RAV</b>                                   | Restricted Access Vehicle to which this permit applies, including any load.                                                                                                                             |
| <b>RAV Mapping Tool</b>                      | <a href="https://mrwebapps.mainroads.wa.gov.au/hvsnetworkmap">https://mrwebapps.mainroads.wa.gov.au/hvsnetworkmap</a>                                                                                   |

| Term                      | Definition                                                                                                                               |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rear Overhang</b>      | The distance between the rear overhang line and the rearmost part of the vehicle or the load.                                            |
| <b>Rear Overhang Line</b> | The centre of a single axle, single axle group, tandem axle group, tri axle group or quad axle group nearest to the rear of the vehicle. |
| <b>S-Dimension</b>        | The distance between the front articulation point (king pin) and the rear overhang line.                                                 |

## REFERENCES AND RELATED DOCUMENTS

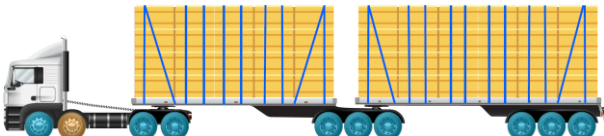
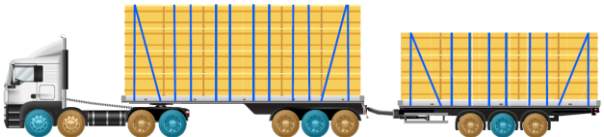
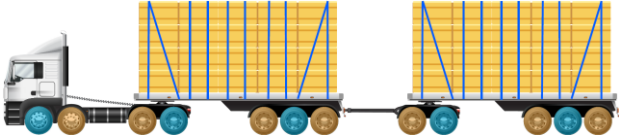
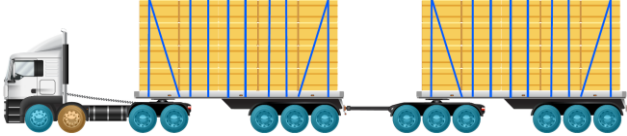
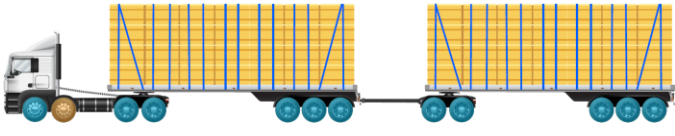
The following documents relate to these Operating Conditions and are available on the Main Roads website:

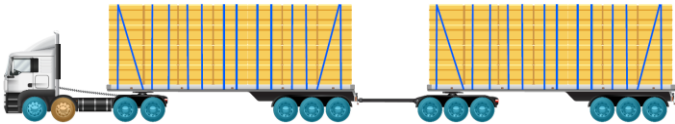
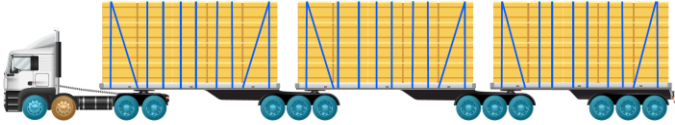
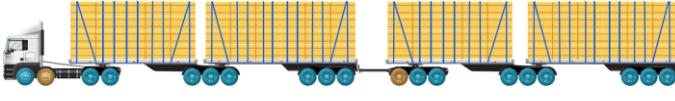
| Document Name                                         | Location                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact Details for Other Agency Approvals            | <a href="https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/contact-details-for-other-agency-approvals.pdf?v=4a4c3e">https://www.mainroads.wa.gov.au/globalassets/heavy-vehicles/contact-details-for-other-agency-approvals.pdf?v=4a4c3e</a>                                                                               |
| Oversize Vehicle & Pilot Vehicle General Requirements | <a href="https://www.mainroads.wa.gov.au/4a7a8c/globalassets/heavy-vehicles/permits-orders-schemes/osom/oversize-vehicle-and-pilot-vehicle-general-requirements.pdf">https://www.mainroads.wa.gov.au/4a7a8c/globalassets/heavy-vehicles/permits-orders-schemes/osom/oversize-vehicle-and-pilot-vehicle-general-requirements.pdf</a> |

# 1 APPLICATION

## 1.1 Approved Vehicles

The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* only applies to a RAV shown in the “Vehicle Description” column in the following table, when carrying an *Approved Product* specified in Clause 1.2:

| Category 1 RAVs |                                                                                                                                                    |             |            |                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|--------------------------------------------------------------|
| Category        | Vehicle Description                                                                                                                                | Max. Length | Max. Width | Approved Network                                             |
| 1.1             | <b>Prime Mover &amp; Semi-trailer</b><br>                         | 19.0m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 1</u></a> |
| Category 2 RAVs |                                                                                                                                                    |             |            |                                                              |
| Category        | Vehicle Description                                                                                                                                | Max. Length | Max. Width | Approved Network                                             |
| 2.1             | <b>B-Double</b><br>                                              | 27.5m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 2</u></a> |
| 2.2             | <b>Prime Mover, Semi-trailer &amp; Pig Trailer or Dolly</b><br> | 27.5m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 2</u></a> |
| 2.3             | <b>Prime Mover, Semi-trailer &amp; 5 Axle Dog Trailer</b><br>   | 27.5m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 3</u></a> |
| 2.4             | <b>Prime Mover, Semi-trailer &amp; 6 Axle Dog Trailer</b><br>   | 27.5m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 4</u></a> |
| Category 3 RAVs |                                                                                                                                                    |             |            |                                                              |
| Category        | Vehicle Description                                                                                                                                | Max. Length | Max. Width | Approved Network                                             |
| 3.1             | <b>Prime Mover, Semi-trailer &amp; 5 Axle Dog Trailer</b><br>   | 36.5m       | 2.7m       | <a href="#"><u>Oversize Divisible Products Network 5</u></a> |

| 3.2                    | <b>Prime Mover, Semi-trailer &amp; 6 Axle Dog Trailer</b><br>      | 36.5m       | 2.7m       | <a href="#">Oversize Divisible Products Network 6</a> |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------------------------------------------------|
| 3.3                    | <b>B-Triple</b><br>                                                | 36.5m       | 2.7m       | <a href="#">Oversize Divisible Products Network 6</a> |
| <b>Category 4 RAVs</b> |                                                                                                                                                     |             |            |                                                       |
| Category               | Vehicle Description                                                                                                                                 | Max. Length | Max. Width | Approved Network                                      |
| 4.1                    | <b>Prime Mover, Semi-trailer &amp; Two 5 Axle Dog Trailers</b><br> | 53.5m       | 2.7m       | <a href="#">Oversize Divisible Products Network 7</a> |
| 4.2                    | <b>Prime Mover, Semi-trailer &amp; Two 6 Axle Dog Trailers</b><br> | 53.5m       | 2.7m       | <a href="#">Oversize Divisible Products Network 8</a> |
| 4.3                    | <b>Double B-Double</b><br>                                        | 53.5m       | 2.7m       | <a href="#">Oversize Divisible Products Network 8</a> |

## 1.2 Approved Products

**1.2.1** The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* only applies to a RAV when carrying the following products:

- (a) Concrete Pipes;
- (b) Baled Wool; or
- (c) Baled Hay or Straw, baled to size:
  - i) 4'x3'x8'; or
  - ii) 4'x4'x8'.

**1.2.2** In addition to the *Approved Products* stipulated in sub-clauses 1.2.1, a RAV may also carry machinery necessary to load and unload the Approved Product.

## 1.3 Approved Axle Configuration

**1.3.1** The axle groups of a RAV described in Clause 1.1 are colour coded to indicate the minimum and maximum number of axles allowable for that category of vehicle, as shown below:



**1.3.2** The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply to a RAV with less than the number of axles indicated, unless the height is less than 4.3 metres.



- 1.3.3** The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply to a RAV with more than the number of axles indicated.

## **1.4 Non-Approved Vehicles**

- 1.4.1** The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply to a vehicle combination not shown in the table under clause 1.1.
- 1.4.2** The *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply to an A-triple (prime mover, semi-trailer and 2 dog trailers) with a length less than 36.5 metres.

# **2 COMPULSORY WA HEAVY VEHICLE ACCREDITATION**

## **2.1 Requirement for Accreditation**

This *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply unless and until there is a person who is accredited in relation to the vehicle.

## **2.2 Effect on the Permit**

If the person who is accredited in relation to the vehicle ceases to be accredited, the *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* ceases to have effect on and from the day on which the person ceases to be accredited.

## **2.3 Non-Application of this Section**

The requirement for Accreditation under this section does not apply to a person operating a RAV that is not being used in connection with a business.

# **3 LICENSING REQUIREMENTS**

## **3.1 Requirement for Appropriate Vehicle Licensing**

This *Oversize Divisible Products – Prime Mover, Trailer Combinations Period Permit* does not apply unless the prime mover is licensed under the appropriate heavy vehicle licence class applicable to the number of trailers being towed.

## **3.2 Complying with Licence Conditions**

In addition to these Operating Conditions, the RAV must be driven in accordance with any conditions of the vehicle's licence, as imposed by the relevant licensing authority.

# **4 DIMENSION REQUIREMENTS**

## **4.1 Length Limits**

- 4.1.1** A RAV must not exceed the maximum length indicated for the particular vehicle category in clause 1.1.
- 4.1.2** A semi-trailer used in a RAV must not exceed 13.73 metres from the front of the trailer to the rear of the trailer (excluding any rounded front or attachments to the front of the trailer deck).

- 4.1.3** The two (2) semi-trailers used in a B-double must not be more than 22 metres 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 attachments to the front of the trailer deck).

## 4.2 Width Limits

A RAV must not exceed the maximum width indicated for the particular vehicle category in clause 1.1.

## 4.3 Height Requirements

- 4.3.1** A RAV must not exceed a height of 4.3 metres, unless otherwise specified in this section.

- 4.3.2** A RAV may operate with a height up to 4.6 metres, provided:

- (a) The vehicle is loaded with Baled Hay or Straw only;
- (b) The semi-trailer deck does not exceed a height of 1 metre;
- (c) The semi-trailer is a tri axle semi-trailer, fitted with dual tyres;
- (d) All converter dollies used in the vehicle combination are tandem or tri axle converter dollies; and
- (e) The prime mover has a tandem drive axle group.

- 4.3.3** A pig trailer must not exceed a height of 3.5 metres, including the load.

- 4.3.4** A RAV exceeding 4.3 metres in height must not be driven on a road without current written approval from all the relevant Cable Operators, unless the height is less than 4.6 metres and the vehicle is being driven on a road that is listed in Oversize Divisible Products Network 2. The written approval must be carried in the RAV and produced upon request.

**Note:** “Contact Details for Other Agency Approvals” are available on the Oversize Over-mass Permits page on the Main Roads website.

## 4.4 Axle Spacings

- 4.4.1** A RAV must comply with the minimum axle spacing requirements specified in the following table:

| Adjacent Axles or Axle Groups          | Minimum Distance |
|----------------------------------------|------------------|
| Single axle to single axle             | 2.5 m            |
| Single axle to tandem axle group       | 4.3 m            |
| Single axle to tri axle group          | 5.5 m            |
| Tandem axle group to tandem axle group | 6.8 m            |
| Tandem axle group to tri axle group    | 8.0 m            |
| Tri axle group to tri axle group       | 9.2 m            |

“Single axle” does not include a single steer axle.

“Tandem axle group” does not include a twin steer axle group.

- 4.4.2** Axle spacing measurements are taken from the outermost extreme axles of the two adjacent axle groups, as shown in the following diagram:

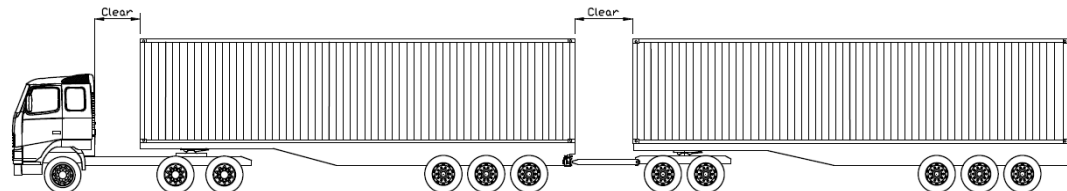


## 4.5 Trailer Gap Requirements

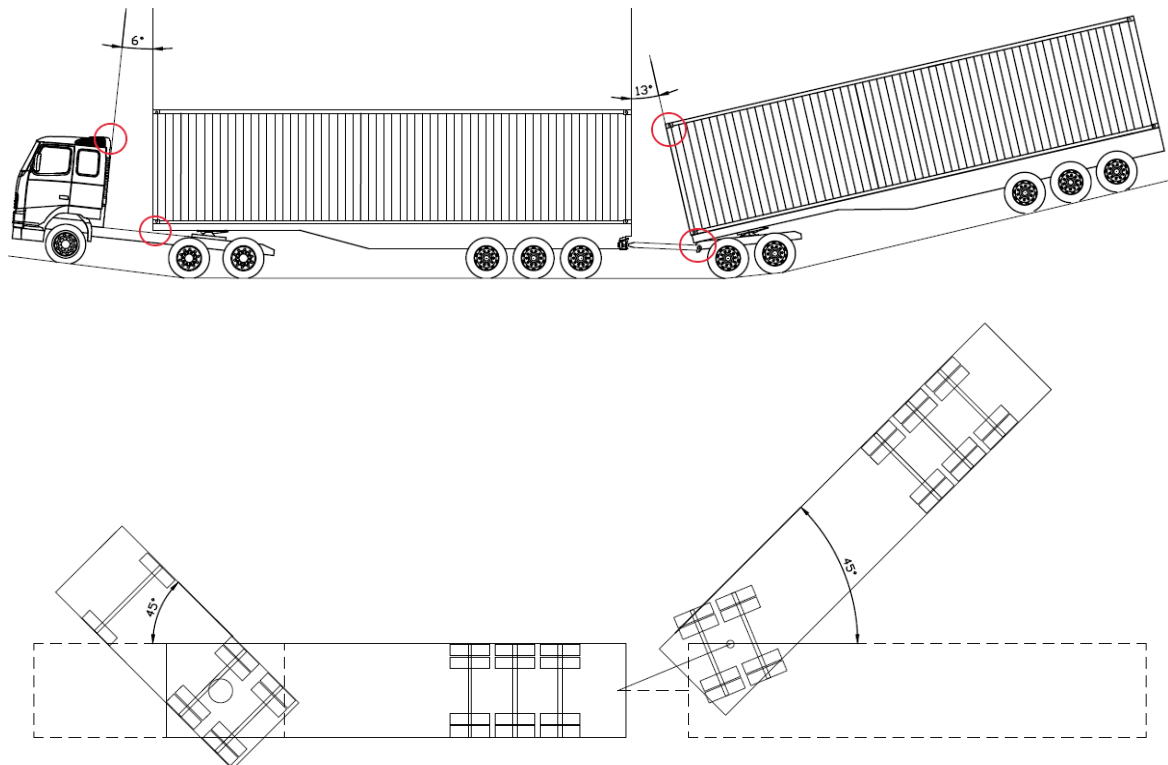
**4.5.1** The RAV must be able to achieve the following angles of rotation simultaneously and independently, without any part of the trailer contacting any part of the towing vehicle (i.e. prime mover, lead semi-trailer or converter dolly), including the load:

- (a) Articulation – 45° left and right;
- (b) Pitch – 6° forward and 7° rearward;
- (c) Roll – as provided by the coupling.

**4.5.2** There must be sufficient clear gap, as per the below example to achieve the specified angles of rotation:



**4.5.3** The clear gap must be sufficient to enable the trailers to move through all the specified angles of rotation without contacting any other part of the towing vehicles, as per the following two diagrams. The red circles indicate the potential fouling zones.



**Note:** The Trailer Clearance Calculator is available on Heavy Vehicle Assessment Tools page on the Main Roads website.

## 4.6 20m Prime Mover and Semi-Trailer Allowance

**4.6.1** A Category 1 RAV, as described in clause 1.1, may exceed the following length limits, up to the modified limits specified, subject to the requirements in this clause:

| Length Measurement                                                    | Current Limit (m) | Modified Limit (m) |
|-----------------------------------------------------------------------|-------------------|--------------------|
| Overall combination length                                            | 19                | 20                 |
| Semi-trailer rear overhang for combinations > 19 m and ≤ 20 m         | 3.7*              | 4.0*               |
| Semi-trailer S-Dimension (from king pin to centre of rear axle group) | 9.5               | 10.5               |
| King pin to rear of semi-trailer                                      | 12.3              | 14.5               |

*\*Or 60% of the S-Dimension, whichever is the lesser.*

**4.6.2** The RAV must comply with the wheelbase and corresponding S-Dimension limits specified in the following table:

| Wheelbase (m)   | S-Dimension (m) |
|-----------------|-----------------|
| ≥ 3.5 and < 4.1 | 10.5            |
| ≥ 4.1 and < 4.3 | 10.4            |
| ≥ 4.3 and < 4.4 | 10.3            |
| ≥ 4.4 and < 4.6 | 10.2            |
| ≥ 4.6 and < 4.8 | 10.1            |
| ≥ 4.8 and < 4.9 | 10.0            |
| ≥ 4.9 and < 5.1 | 9.9             |
| ≥ 5.1 and < 5.2 | 9.8             |
| ≥ 5.2 and < 5.4 | 9.7             |
| ≥ 5.4 and < 5.5 | 9.6             |
| ≥ 5.5 and < 5.6 | 9.5             |
| ≥ 5.6 and < 5.8 | 9.4             |
| ≥ 5.8 and < 5.9 | 9.3             |
| ≥ 5.9 and < 6.0 | 9.2             |
| ≥ 6.0 and < 6.2 | 9.1             |
| ≥ 6.2 and < 6.3 | 9.0             |
| ≥ 6.3 and < 6.4 | 8.9             |
| ≥ 6.4 and < 6.5 | 8.8             |
| ≥ 6.5 and < 6.6 | 8.7             |
| ≥ 6.6           | 8.6             |

- 4.6.3** A trailer used in a combination longer than 19 metres under this clause, with a GTM over 10 tonnes, must be fitted with a braking system compliant with *Vehicle Standard (Australian Design Rule 38/05 – Trailer Brake Systems) 2018* (ADR 38/05) and the braking system is fully functional.
- 4.6.4** A semi-trailer exceeding an S-Dimension of 9.5 metres must have Side Underrun Protection complying with *Vehicle Standard (Australian Design Rule 106/00 – Side Underrun Protection) 2023* (ADR 106).

## 5 MASS REQUIREMENTS

### 5.1 Approved Axle Group Mass

A RAV is not permitted to exceed any statutory mass limit relating to an axle or axle group, except where specified in the following table:

| Axle Group                                                                                 | Mass Limit |
|--------------------------------------------------------------------------------------------|------------|
| Single Steer Axle with tyres $\geq 295$ mm                                                 | 6.5 t      |
| Single Steer Axle with tyre $\geq 315$ mm                                                  | 7.0 t      |
| Single Steer Axle with tyres $\geq 375$ mm                                                 | 7.1 t      |
| Twin Steer Axle Group with load sharing suspension and tyres $\geq 275$ mm                 | 11.5 t     |
| Twin Steer Axle Group with load sharing suspension and tyres $\geq 375$ mm                 | 12 t       |
| Tandem Axle Groups fitted with dual tyres                                                  | 17 t       |
| Tri Axle Groups fitted with single tyres $\geq 375$ mm or dual tyres, except a pig trailer | 21.5 t     |

### 5.2 Towed Mass Ratio

- 5.2.1** When a RAV is laden, the total axle group mass of a trailer must not exceed the total axle group mass of the towing vehicle.
- 5.2.2** For the purpose of this clause, the towing vehicle is:
- (a) For the lead semi-trailer, the prime mover; or
  - (b) For a B-trailer or pig trailer, the semi-trailer directly in front; or
  - (c) For the first dog trailer, the prime mover and lead semi-trailer combined; or
  - (d) For another dog trailer, the dog trailer or B-double section (i.e. A-trailer and semi-trailer combined) directly in front.

## 6 ACCESS REQUIREMENTS

### 6.1 Approved Roads and Conditions

- 6.1.1** A RAV must not operate on any road that is not in the Approved Network specified for the particular vehicle category in clause 1.1.
- 6.1.2** A RAV must operate in accordance with any conditions specified for a particular road in the Approved Network.

## 6.2 Prohibited Roads

**6.2.1** A RAV must not operate on any of the following roads:

- (a) Graham Farmer Freeway;
- (b) Mitchell Freeway;
- (c) Kwinana Freeway;
- (d) Guildford Road – between Walcott Street & Tonkin Highway; and
- (e) Railway Ave, Armadale – between Gillam Drive & Lake Road.

**6.2.2** Despite sub-clause 6.2.1, a RAV that does not exceed 2.5 metres in width may operate on the section of Kwinana Freeway between Pinjarra Road and Leach Highway.

## 6.3 Speed Restrictions

A RAV must not travel at a speed exceeding the lesser of:

- (a) The speed limit applicable to the road or vehicle under the *Road Traffic Code 2000*; or
- (b) 10 km/h below the speed limit applicable to the road under the *Road Traffic Code 2000*, where the speed limit is greater than 60 km/h; or
- (c) The maximum speed specified as a condition for a particular road in the Approved Network.

## 6.4 Minimum Following Distance

The driver of a RAV must maintain a distance of at least 200 metres from any other heavy vehicle travelling in front of it, unless:

- (a) The RAV is overtaking the vehicle in front or the vehicle in front is stopping; or
- (b) There is a separate lane available for the use of overtaking traffic; or
- (c) The RAV is in an urban area and it is not reasonably practicable to maintain such a distance; or
- (d) The RAV is stopped, or coming to a stop for the purpose of complying with a provision of any law or avoiding conflict with other traffic.

## 6.5 Poor Visibility

**6.5.1** The driver of a RAV must not begin to travel if, due to circumstances such as fog, heavy rain, smoke, dust or insect plague:

- (a) The visibility is less than 250 metres during the day; or
- (b) The headlights of a vehicle approaching within 250 metres could not be seen at night.

**6.5.2** Where a RAV is already travelling when visibility is reduced to the level described above, the driver must drive into the nearest safe parking area and wait until visibility improves beyond that level before continuing to travel.

## 6.6 Overtaking

The driver of the RAV must not overtake another vehicle, unless:

- (a) There is a separate lane available for the purpose of overtaking traffic; or
- (b) The vehicle in front is stopping; or

- (c) The vehicle in front is travelling at a significantly lower speed, i.e., 20 km/h or more below the RAVs legal speed limit; and
- (d) It is safe to do so.

## **6.7 Parking**

- 6.7.1** A RAV must not be parked in an area where parking of the RAV is prohibited.
- 6.7.2** Where parking of a RAV is permitted, the RAV must be parked in accordance with any parking requirements or restrictions applicable to the area.

# **7 WARNING LIGHTS & FLAGS**

## **7.1 Lights**

A RAV exceeding 2.5m in width must operate with headlights switched on at all times.

## **7.2 Warning Flags**

- 7.2.1** A RAV exceeding 2.5 metres in width must display four (4) brightly coloured red, yellow, or red and yellow flags, at least 450mm long and 450mm wide. One flag must be positioned at each side of both the front and rear of the vehicle, or if there is any projecting load, at each side of both the front and rear of the projecting load.
- 7.2.2** Warning flags must comply with the requirements set out in the *Oversize Vehicle & Pilot Vehicle General Requirements*.

# **8 WARNING SIGN REQUIREMENTS**

## **8.1 Warning Signs for Certain Combinations**

- 8.1.1** Instead of a “Road Train” or “Long Vehicle” sign, a RAV may display one of the RAV warning signs specified in this clause.
- 8.1.2** A RAV exceeding 22 metres in length, but not exceeding 27.5 metres in length, may display a 27.5m Long RAV Warning Sign, as specified in [Appendix 1](#).
- 8.1.3** A RAV exceeding 27.5 metres in length, but not exceeding 36.5 metres in length, may display a 36.5m Long RAV Warning Sign, as specified in [Appendix 1](#).
- 8.1.4** A RAV exceeding 36.5 metres in length, but not exceeding 53.5 metres in length, may display a 53.5m Long RAV Warning Sign, as specified in [Appendix 1](#).
- 8.1.5** The RAV warning sign must only be fitted horizontally on the rear of the RAV.

## **8.2 Oversize Warning Sign**

- 8.2.1** In addition to a “Long Vehicle”, “Road Train” or RAV Warning Sign specified in clause 8.1, a RAV exceeding 2.5 metres in width must clearly display:
  - (a) “Oversize” warning signs on the front of the vehicle; and
  - (b) “Oversize” warning signs on the rear of the vehicle or if carrying a rear projecting load, the “Oversize” warning sign is to be mounted as close to the rear of the load as practical.

**8.2.2** An “Oversize” warning sign must comply with the requirements set out in the *Oversize Vehicle & Pilot Vehicle General Requirements*.

**8.2.3** A RAV must not display an “Oversize” warning sign if not required under this clause.

### **8.3 Warning Signs Specifications**

**8.3.1** The RAV warning sign must be manufactured in one or 2 parts from:

- (a) sheet steel with a minimum thickness of 0.8 mm thick; or
- (b) a sticker attached to an equivalent rigid surface; or
- (c) a flexible vinyl material, provided the sign is attached in such a manner that ensures it remains taut and clearly visible.

**8.3.2** The RAV warning sign must be at least 1.02 metres wide and at least 250 millimetres high.

**8.3.3** The RAV warning sign must display the words specified in [Appendix 1](#), in black capital letters at least 80 millimetres high in typeface Helvetica Neue Bold Condensed.

**8.3.4** If the RAV warning sign is in 2 parts, it must be split as shown in [Appendix 1](#).

**8.3.5** The RAV warning sign must have a black border. A black border is not required on the inside of a RAV warning sign split in 2 parts.

**8.3.6** The RAV warning sign must display the sign manufacturer’s name or logo, and the brand and class of retro-reflective material used, in block letters not over 10 mm high.

**8.3.7** The RAV warning sign must be coated with yellow retro-reflective material that complies with class 100 or 400 of AS1906.1 – 2017 *Retroreflective Materials and Devices for Road Traffic Control Purposes – Retroreflective Sheeting*.

**8.3.8** The RAV warning sign must only be fitted on the rear of the RAV and so:

- (a) no part of the sign is —
  - (i) over 2.75 m above ground level; or
  - (ii) under 500 mm above ground level;and
- (b) if the sign is in 2 parts, the parts are fitted at the same height above ground level.

**Note:** Refer to [Appendix 2](#) for example RAV Warning Sign with sizing specifications.

### **8.4 Warning Signs Not to be Displayed on Other Vehicles**

**8.4.1** The whole or a part of a RAV warning sign must not be displayed unless it is displayed in accordance with this section.

**8.4.2** A RAV must not display a warning sign not specified in this section.

## **9 COMPULSORY HEAVY VEHICLE INCIDENT REPORTING**

All on-road incidents involving a RAV must be reported to Main Roads Heavy Vehicle Services by the permit holder. The Heavy Vehicle Incident Reporting form is available on the Incident Reporting page on the Main Roads website and it must be submitted within 48 hours of the incident occurring.



## 10 AMENDMENTS TO OPERATING CONDITIONS & ACCESS

### 10.1 Access Approval Suspension & Revocation

- 10.1.1** Approval to operate a RAV may be suspended when road and/or traffic conditions are considered unsuitable. Main Roads personnel, WA Police or Traffic Escort Wardens, may make verbal notification of such suspension.
- 10.1.2** Approval to operate a RAV may be suspended or revoked if the operator or vehicle combination fails to comply with any of the requirements specified in these Operating Conditions.

### 10.2 Amendments & Notifications

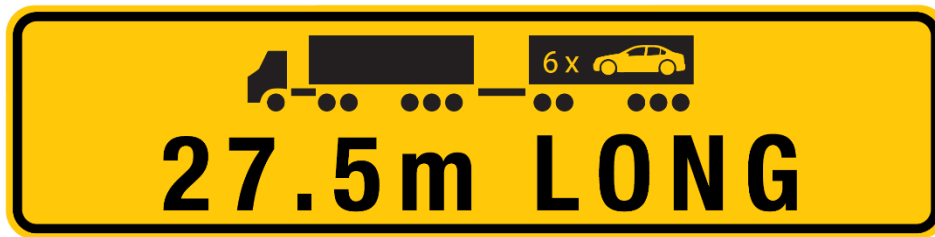
- 10.2.1** These Operating Conditions are subject to occasional amendments. If amendments are made that impact transport operators, they will be published as an “HVS Update” on the Main Roads website on the first working day of the month. Operators and drivers are required to ensure that they are operating vehicles on the public road network in accordance with the current and up to date Operating Conditions.
- 10.2.2** 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 Network updates will be effective from the Wednesday following the amendment and the RAV Networks are maintained as Road Tables and in the RAV Mapping Tool 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.
- 10.2.3** Heavy Vehicle Travel Impacts are published when road conditions may impede the movement of Restricted Access Vehicles. Operators and drivers are required to check the Heavy Vehicle Travel Impacts in the RAV Mapping Tool on the Main Roads website immediately prior to operating the vehicle on the public road network to ensure that there is no relevant information that will impede their vehicle operating on the WA road network.
- 10.2.4** All conditions stipulated in HVS Updates or Heavy Vehicle Travel Impacts must be adhered to.
- 10.2.5** Where a condition stipulates that contact must be made with a site supervisor or any other person prior to travel, this must be done via email or text message and evidence provided to Main Roads’ personnel upon request.

## 11 APPENDICES

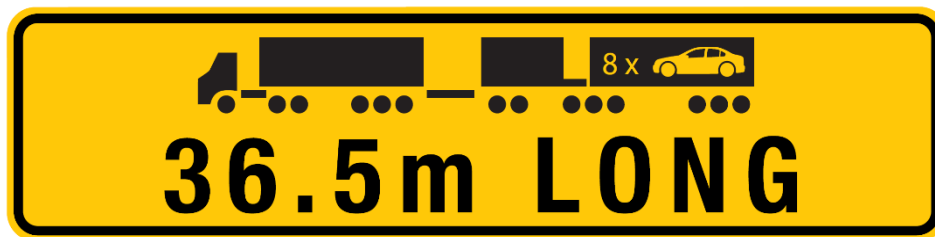
| Appendix          | Title                                               |
|-------------------|-----------------------------------------------------|
| <b>Appendix 1</b> | RAV Warning Signs                                   |
| <b>Appendix 2</b> | Example RAV Warning Sign with Sizing Specifications |

## Appendix 1 – RAV Warning Signs

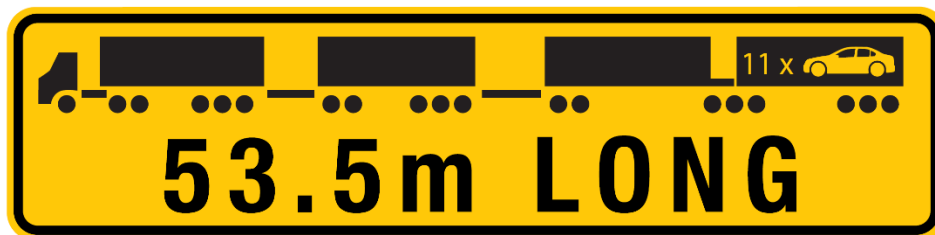
27.5m Long RAV Warning Sign:



36.5m Long RAV Warning Sign:



53.5m Long RAV Warning Sign:



Split RAV Warning Sign:



## Appendix 2 – Example RAV Warning Sign with Sizing Specifications

