



Restricted Access Vehicle: Agricultural Machine Operating Conditions



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Document Control

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Amendments

| Revision Number | Revision Date | Description of Key Changes | Clause / Page No. |
|-----------------|----------------|---|-------------------|
| 1 | 20 August 2019 | Amended section 8 to align with revised pilot Agricultural Pilot requirements and added Appendix 2 & 3. | 8 / 10 |
| 2 | 22 August 2019 | Removed sub-clause 8.1.3 and Appendix 3. | 8 / 10 |

References and related Documents

| Document Number | Description |
|-------------------|--|
| | Agricultural Machine Restricted Bridges (see clause 7.4) |
| D15#453366 | Oversize Vehicle & Pilot Vehicle General Requirements |
| D18#793921 | Agricultural Pilot Operational Requirements |
| D13#317598 | Contact Details for Other Agency Approvals |

Definitions

The following are definitions for terms used in these Operating Conditions. Refer to the definitions in the Road Traffic (Vehicles) Act 2012 and any subsidiary legislation to this Act for the meanings of any terms not defined in this section.

| Term | Definition |
|-----------------------------|---|
| Agricultural Machine | A machine with its own motive power, built to perform agricultural tasks. |
| Axle Spacing | (a) the distance from the centre of any single axle to the centre of any other single axle; (b) the distance from the centre of any single axle to the centre of the furthest axle in any axle group; or (c) the greatest distance between the centres of axles in any axle groups. |
| Curfew | A period when the movement of an Agricultural Machine is not permitted |
| Day-time hours | The hours between sunrise and sunset. Sunrise and sunset times can be obtained from the Perth Observatory website at www.perthobservatory.com.au/ or by contacting the Perth Observatory on 08 9293 8255, or from the Geoscience Australia website at http://www.ga.gov.au/geodesy/astro/sunrise.jsp |
| Friday Long Weekend | A weekend extended to three days where the preceding Friday is the granted Public Holiday. |
| Front Projection | The distance measured from the front of the lens of the vehicle's headlights to the forward most part of the vehicle. |
| Main Roads website | www.mainroads.wa.gov.au |
| Monday Long Weekend | A weekend extended to three days where the following Monday is the granted Public Holiday. |
| Night-time hours | The hours between sunset and sunrise. Sunset and sunrise times can be obtained from the Perth Observatory website at www.perthobservatory.com.au/ or by contacting the Perth Observatory on 08 9293 8255, or from the Geoscience Australia website at http://www.ga.gov.au/geodesy/astro/sunrise.jsp |
| Order | An Order issued under the Road Traffic (Vehicles) Act 2012. |
| Posted Speed Limit | The speed limit indicated on the speed limit sign or in the absence of a speed limit sign in a built-up area, 50 kilometres per hour. |
| Projection | The distance an object extended beyond the normal confines or body of the vehicle to the front, side or rear. |
| RAV | Restricted Access Vehicle (RAV) and includes an Agricultural Machine. |
| RAV Network 2 | The Restricted Access Vehicle Network 2 of Permitted Roads, published electronically on Main Roads website. |

| Term | Definition |
|----------------------------|---|
| Special Permit | A Temporary Permit Exceeding 48 hours (for licencing purposes) for over-mass and over-dimensional vehicles, available from the Department of Transport. |
| Vehicle Regulations | The <i>Road Traffic (Vehicles) Regulations 2014</i> . |

1 APPLICATION

These Operating Conditions apply to a *Class 1 Restricted Access Vehicle* that is an Agricultural Machine and is operating under the *Agricultural Machine Order 2018* (The Order), available on the Agricultural Vehicles page of the Main Roads website.

The Order applies only to an Agricultural Machine that -

- (a) has only a single axle to the front and a single axle to the rear of the vehicle, both fitted with tyres;
- (b) has axle spacing between 1.83 metres and 10.00 metres;
- (c) has a mass limit for a single axle with 2 tyres no greater than 9.0 tonnes;
- (d) has a mass limit for a single axle with 4 or more tyres no greater than 14.0 tonnes;
- (e) is licensed, or is covered by a valid *Special Permit*, or is being moved by a dealer using Trade Plates; and
- (f) is operating within Western Australia.

2 COMPLYING WITH LICENSING CONDITIONS

Drivers and operators are reminded that in addition to these Operating Conditions, the Agricultural Machine must be driven in accordance with any conditions of the vehicle's licence, as imposed by the relevant *Licensing Authority*.

3 COMPULSORY HEAVY VEHICLE INCIDENT REPORTING

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

4 MASS LIMITS & TYRE SIZES

An Agricultural Machine must not exceed a mass limit specified for an axle in the table below:

| Width of narrowest tyre on axle (mm) | | Mass limit (t) | |
|--------------------------------------|-----------|-------------------|-------------------|
| at least | less than | axle with 2 tyres | axle with 4 tyres |
| 190 | 228 | 4.5 | 9.0 |
| 228 | 254 | 5.0 | 9.5 |
| 254 | 279 | 6.0 | 10.0 |
| 279 | 305 | 6.5 | 11.0 |
| 305 | 330 | 7.0 | 12.0 |
| 330 | 356 | 7.5 | 13.0 |
| 356 | 381 | 8.0 | 14.0 |
| 381 | - | 9.0 | 14.0 |

5 DIMENSION LIMITS

- 5.1 An Agricultural Machine must not exceed 6.0 metres in height.
- 5.2 An Agricultural Machine must not exceed 12.5 metres in length.
- 5.3 An Agricultural Machine must not exceed 8.5 metres in width.
- 5.4 An Agricultural Machine must not exceed 4.5 metres rear overhang.
- 5.5 Despite sub-clause 5.4, an Agricultural Machine that is an auger or conveyor may have a rear overhang not exceeding 5.5 metres.
- 5.6 An Agricultural Machine must be reduced to the smallest possible dimension, i.e. any boom or other equipment fully retracted.

Note: For the purpose of this clause, any flags, lights or mirrors on the agricultural machine shall be disregarded when measuring the dimensions.

6 WARNING DEVICES

6.1 Lights

- 6.1.1 An Agricultural Machine in excess of 2.5 metres in width must display at least one amber warning light complying with the requirements set out in the *Oversize Vehicle & Pilot Vehicle General Requirements*, available on the Pilots page of the Main Roads website.
- 6.1.2 An Agricultural Machine must not operate an amber warning light if not required under this clause.

6.2 Warning Signs and Flags

- 6.2.1 An Agricultural Machine in excess of 2.5 metres in width must clearly display "Oversize" warning signs on the front and rear of the vehicle.
- 6.2.2 An "Oversize" warning sign must comply with the requirements set out in the *Oversize Vehicle & Pilot Vehicle General Requirements* on the Pilots page of the Main Roads website.
- 6.2.3 An Agricultural Machine must not display an "Oversize" warning sign if not required under this clause.
- 6.2.4 An Agricultural Machine must display a warning flag on the extremity of:
 - (a) A side projection that extends beyond the body or wheels, whichever is wider, by more than 150mm; and
 - (b) A front or rear projection greater than 1.2 metres.
- 6.2.5 A warning flag must comply with the requirements set out in the *Oversize Vehicle & Pilot Vehicle General Requirements* on the Pilots page of the Main Roads website.
- 6.2.6 An Agricultural Machine must display striping made from a *retro-reflective material*, coloured red and white, or red and yellow, along both sides of any rigid projection that extends more than 1.2 metres in front of the vehicle's body.

6.2.7 Any part of an axle on an agricultural machine that projects more than 150 mm from the outside wall of the tyres must be painted fluorescent yellow or have yellow fluorescent or other high-visibility material wrapped around it.

6.3 Additional Warning Devices at Night-time

An Agricultural Machine travelling during *night-time hours* must display:

- (a) A warning light, as per paragraph 6.1.1, if the machine is in excess of 2.5 metres in width;
- (b) Lights showing yellow to the front and red to the rear (known as “side marker lights”) no more than 2 metres apart along both sides of the vehicle and along any front or rear projection;
- (c) Two (2) red lights (known as “rear clearance lights”) fitted to the rear most part of the vehicle, within 400 mm of each side of the vehicle and at least 1 metre, but not more than 2.1 metres, above the ground; and
- (d) On both sides of a projection that is extending more than 1.2 metres in front of the vehicle’s body:
 - (i) Yellow lights fitted as far forward as possible and shielded from the driver’s view, being visible to traffic approaching from the front and at least one light must be visible to traffic approaching from either side; and
 - (ii) Despite paragraph (b), side marker lights along both sides of the front projection, no more than 1.5 metres apart.

7 AREA AND ROUTE CONDITIONS

7.1 Approved Areas of Travel

An Agricultural Machine has State-wide access excluding the shires listed in *Appendix 1*.

7.2 Route Assessment

Prior to departure, the operator or driver of the Agricultural Machine must assess the route of travel to ensure that it is suitable for use and that it can be driven along without contravening these Operating Conditions.

7.3 Damage

An Agricultural Machine must not be driven along a road if it is likely to cause:

- (a) Disruption to *telecommunication, electrical, rail, gas, water or sewage services; or*
- (b) *Damage to a road (including a bridge), structure, rail crossing or tree.*

7.4 Restricted Bridges

An Agricultural Machine must not be driven on a bridge listed in the *Agricultural Machines Restricted Bridges*, available and maintained on the Agricultural Vehicles page of the Main Roads website.

Note: It is an offence under the Road Traffic Code 2000 for a vehicle to cross a bridge if the vehicle has a mass limit in excess of the posted mass limit for the bridge.

7.5 Speed Restrictions

An Agricultural Machine exceeding 3.5 metres in width must not be driven at a speed that exceeds the lesser of:

- (a) The maximum vehicle speed defined as part of the vehicle's licencing conditions; or
- (b) 80 km/h; or
- (c) The posted speed limit.

7.6 Other Agency Height Approvals

7.6.1 An Agricultural Machine 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 *RAV Network 2*.

7.6.2 Any written approval obtained in accordance with this clause must be carried and produced to a member of the WA Police or Main Roads.

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

7.7 Minimum Following Distance

7.7.1 The driver of an Agricultural Machine must maintain a distance of at least 200 metres from any other RAV travelling in front of it, unless:

- (a) It is overtaking the vehicle in front or the vehicle in front is stopping;
- (b) There is a separate lane available for the use of overtaking traffic;
- (c) It is in an urban area and it is not reasonably practicable to maintain such a distance;
- (d) It is stopped, or coming to a stop for the purpose of complying with a provision of any law or avoiding conflict with other traffic: or
- (e) The Tracked Agricultural Machines are travelling in a convoy subject to sub-clause 8.3.

7.7.2 Despite paragraph 7.7.1, an Agricultural Machine that is travelling over a bridge must always maintain a distance of at least 200 metres from any other RAV travelling in front of it.

8 PILOT REQUIREMENTS

8.1 Number of Pilot Vehicles

8.1.1 An Agricultural Machine must be accompanied by the minimum number of pilot vehicles specified in *Appendix 2* when travelling outside of the Perth Metropolitan Area.

8.1.2 An Agricultural Machine in excess of 3.1 metres, up to 3.2 metres, in width must not travel during *night-time hours* in an urban area without being accompanied by a minimum of one pilot vehicle. (Refer to the Night-time Curfew under sub-clause 9.1.1)

8.2 General Pilot Requirements

8.2.1 The driver of a pilot vehicle is not required to hold a Heavy Vehicle Pilot Licence, provided they are facilitating the movement of the Agricultural Machine in accordance with the requirements under *Appendix 2*.

8.2.2 For the purpose of this Clause, a driver of a pilot vehicle that does not hold a Heavy Vehicle Pilot Licence is known as an Agricultural Pilot.

- 8.2.3** An Agricultural Pilot vehicle must be operated in accordance with the *Agricultural Pilot Operational Requirements*, available on the Pilots page of the Main Roads website.
- 8.2.4** Where a Licensed Heavy Vehicle Pilot is specified in *Appendix 2*, it may be substituted for an Agricultural Pilot, provided there is a holder of a Heavy Vehicle Pilot License in the lead Agricultural Machine, overseeing the pilots.

8.3 Convoy Travel with Pilot Vehicles

- 8.3.1** A maximum of three Agricultural Machines may travel in convoy with one another when accompanied by pilot vehicles.
- 8.3.2** When Agricultural Machines are travelling in convoy, the pilot vehicle requirements and any other conditions that are applicable to the larger of the machines, apply to all Machines and the pilot vehicles must accompany all machines as though they were one single machine.

9 CURFEWS

9.1 Night-time curfews

- 9.1.1** An Agricultural Machine in excess of 3.2 metres is not permitted to travel at night.

9.2 Public Holiday Curfews

- 9.2.1** An Agricultural Machine in excess of a dimension limit specified in the following table must not operate during the “Public Holiday *Curfew* Period” on any of the prohibited roads specified in the following table:

| Width | Public Holiday Curfew Period | Prohibited Roads |
|----------------------|--|--|
| Exceeding 4.5 metres | From sunset on the Wednesday prior to Good Friday until sunrise on the Tuesday after Easter Monday (over the Easter Long Weekend). | All roads within Western Australia. |
| | From sunset on 23 rd December until sunrise on 4 th January of the following year (over the Christmas/New Year Period). | <ul style="list-style-type: none"> • Albany Highway (Bedfordale Road Train Assembly Area to Albany) • Brand Highway • Eyre Highway • Great Eastern Highway • South Western Highway (Armadale to Bunbury) • Great Northern Highway (Roe Highway to Mt Magnet) |

- 9.2.2** If a public holiday falls on a Tuesday consecutive to a *Monday Long Weekend*, the curfew period specified in the above table is extended until sunrise on the following Wednesday.

9.3 Poor Visibility

- 9.3.1** The driver of an Agricultural Machine must not begin to travel if, due to circumstances such as fog, heavy rain, smoke, dust or insect plague:
- (a) Visibility is less than 250 metres during the day-time; or
 - (b) The headlights of a vehicle approaching within 250 metres could not be seen at night-time.
- 9.3.2** Where an Agricultural Machine 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.

10 TOWING & LOADING RESTRICTIONS

- 10.1** An Agricultural Machine must not tow a trailer or any other vehicle, unless approved under a Main Roads permit.
- 10.2** An Agricultural Machine must not carry a load, unless the load is equipment and or substances necessary for the operation of the machine.

11 ORDER SUSPENSION

Approval to operate an Agricultural Machine under the Order to which these Operating Conditions apply 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.

12 ORDER AMENDMENTS

- 12.1** These Operating Conditions are subject to occasional amendment. 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 Agricultural Machine Operating Conditions.
- 12.2** The document *Agricultural Machine Restricted Bridges* is subject to periodic amendments, which include additional bridges being added to, or bridges being removed from the list of restricted bridges.

Any amendments to the *Agricultural Machine Restricted Bridges* document are made and published before close of business on Wednesday and take effect from midnight.

Operators and drivers are required to ensure they are operating vehicles on the public road network in accordance with the most current and up to date *Agricultural Machine Restricted Bridges* document, available on the Agricultural Vehicles page of the Main Roads website.

13 APPENDICES

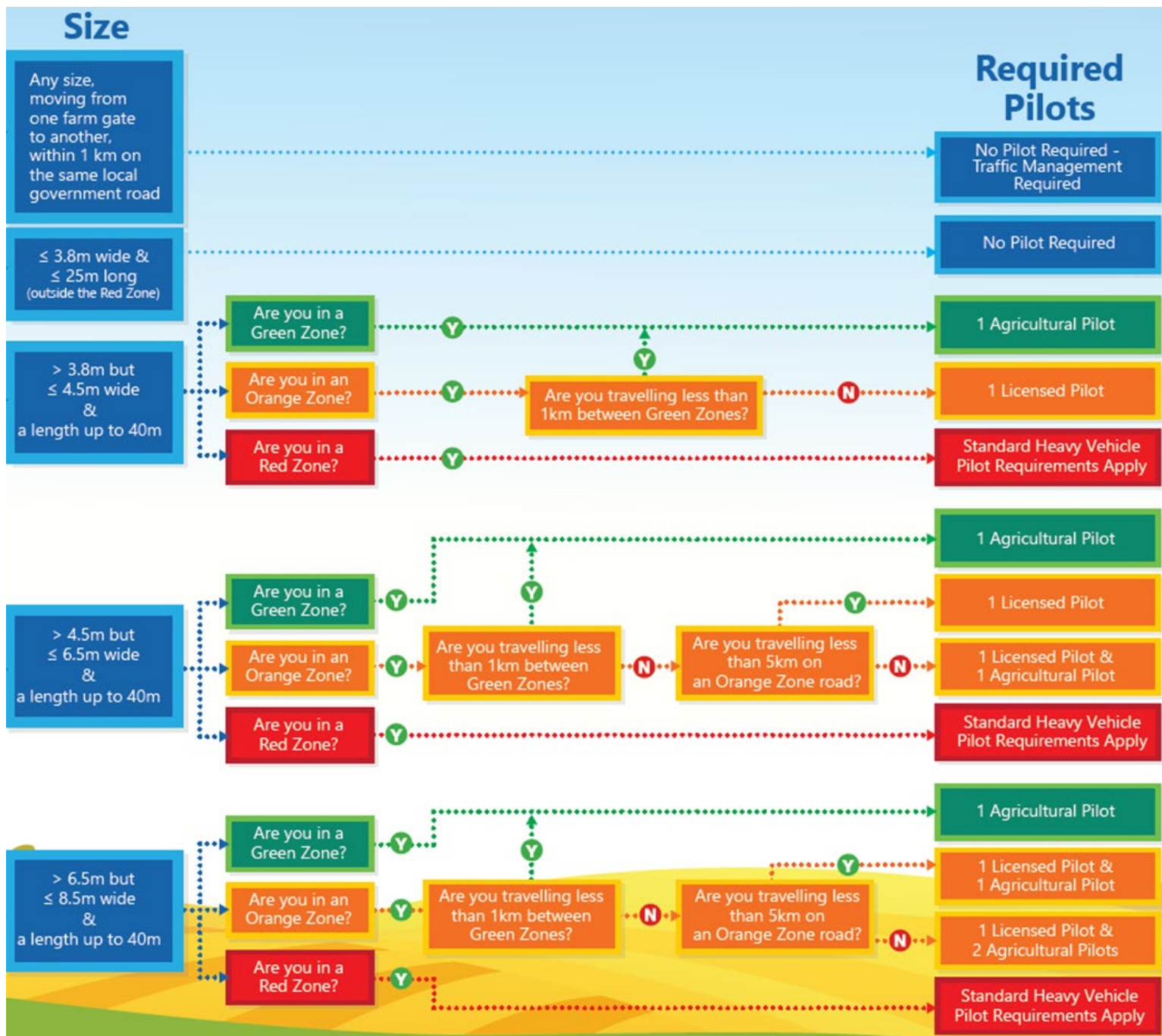
| Appendix | Title |
|------------|---------------------------------|
| Appendix 1 | Prohibited Areas |
| Appendix 2 | Agricultural Pilot Requirements |

Appendix 1: Prohibited Areas

Local Government boundaries

| | | |
|-----------------------------------|---|---|
| <p>Metropolitan Region</p> | <p>City of Armadale Town of Bassendean City of Bayswater City of Belmont Town of Cambridge City of Canning Town of Claremont City of Cockburn Town of Cottesloe Town of East Fremantle City of Fremantle City of Gosnells City of Joondalup Shire Kalamunda City of Kwinana</p> | <p>City of Melville Town of Mosman Park Shire of Mundaring City of Nedlands Shire Peppermint Grove City of Perth City of Rockingham Shire Serpentine-Jarrahdale City South Perth City of Stirling City of Subiaco City of Swan Town of Victoria Park City of Vincent City of Wanneroo</p> |
| <p>South West Region</p> | <p>August-Margaret River Nannup</p> | <p>Manjimup</p> |

Appendix 2: Agricultural Pilot Requirements



Green Zone – All roads within the areas bounded by Regional Distributor and State roads.

Orange Zone – All Regional Distributor and State roads, outside the Metropolitan Area.

Red Zone – All roads within the Metropolitan Area.

NOTE: Agricultural Pilot Zones are available on the RAV Mapping Tool on the Main Roads website.