

V76 – Aeroplane glider trailers – exemption from rear overhang requirements

Information Bulletin

Introduction

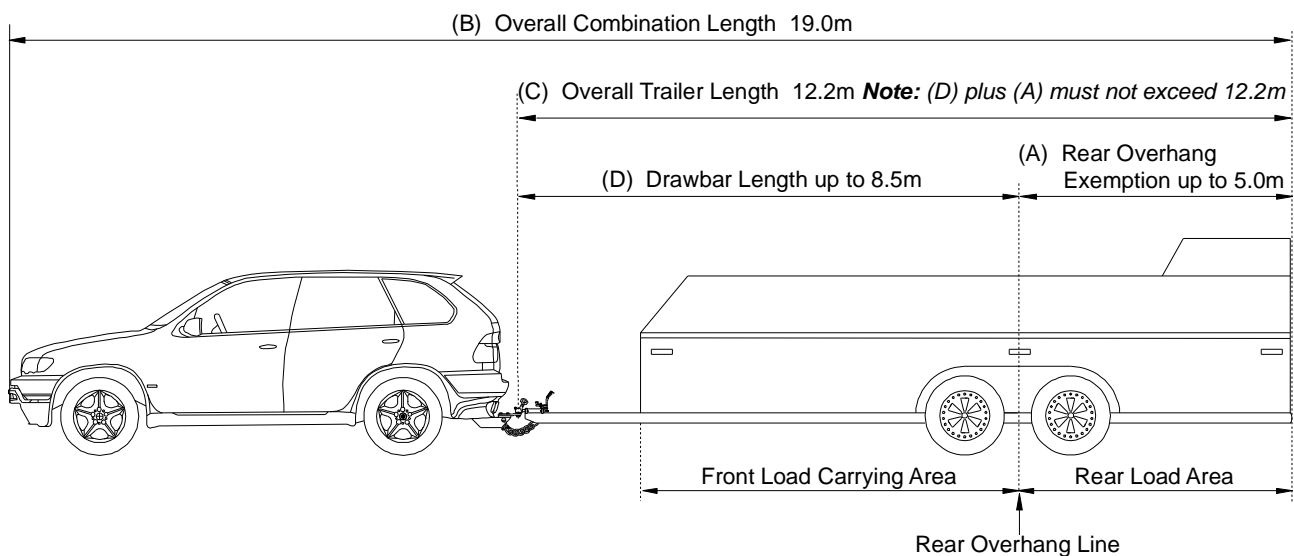
For the transporting of gliders, custom built trailers are specifically designed with the positioning of the axle group to achieve the correct trailer balance for safe on-road handling characteristics. In some cases, rear overhang may exceed the regulatory limit.

Purpose

The purpose of this bulletin is to clarify the conditions of the general exemption provision (refer Attachment – Gazette Notice G1, 2010) offered to over-dimensional glider trailers to ensure safe use of a glider trailer on the road network for all road users.

The general exemption provision means that an individual permit of exemption is not required for each glider trailer when towed in accordance with the conditions of the exemption provision.

Maximum trailer and combination dimensions for exemption



Rear overhang

The regulatory rear overhang limit of a trailer with only one axle group must not exceed the lesser of:

- the length of the front load-carrying area, or body, ahead of the rear overhang line or
- 3.7 metres.

Rear overhang is measured from the centre of the trailer axle or axle group to the rearmost point of the trailer or rearmost point of any load carried on the trailer.

For the purpose of this exemption provision, the rear overhang shall not exceed 5.0 metres.

The width of the load carrying area or body of the trailer shall not exceed 2.0 metres if the rear overhang exceeds 3.7 metres in length.

Overall combination length

The overall length of the towing vehicle and trailer combination, including any load, shall not exceed 19.0 metres.

Overall trailer length

The overall length (D plus A) of the trailer shall not exceed 12.2 metres.

Drawbar length

The drawbar length of the trailer shall not exceed 8.5 metres.

Drawbar length is the distance from the point of articulation of the trailer and the towing vehicle to the centre of the trailer axle or axle group.

Overall trailer width

The overall width of the trailer shall not exceed 2.5 metres.

Trailer lighting

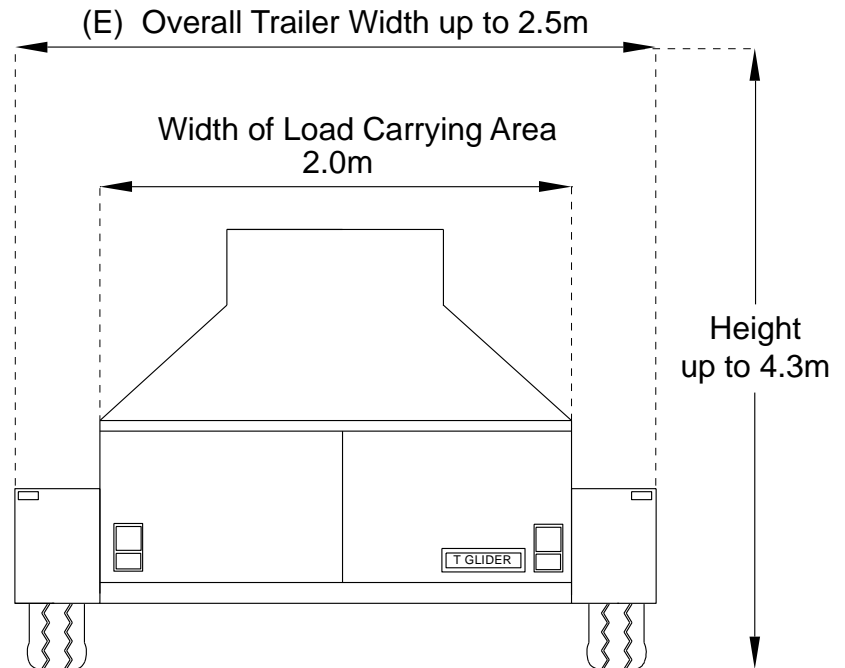
For this exemption provision, low beam headlights of the towing vehicle must be activated during daylight travel.

Additionally, side marker lamps are required on trailers greater than 7.5 metres in length in accordance with position and performance requirements for side marker lamps as outlined in Vehicle Standards Bulletin (VSB) 1 – “Building Small Trailers” as published by the Commonwealth Government.

- 2 side marker lamps towards the front plus 2 towards the rear, plus 2 midway between the front and the rear lamps.
- Additional pairs of side marker lamps, equally spaced between the front and the rear lamps, may also be fitted as long as the distances between the centres of adjacent lamps is not more than 5.0 metres.

Positioning:

Height: 250mm to 1500mm (maybe increased to 2100mm if impracticable to keep within 1500mm)



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- Spacing: not greater than 3000mm (maybe increased to 4000mm if impracticable to keep within 3000mm)
- Width: the outermost surface of the lamp must not be more than 150mm inboard of the extreme outer edge of the trailer.
- Length: not greater than 1000mm from the rear and not greater than 3000mm from the front of the trailer.

Trailer usage

For this exemption provision to take effect, the trailer can only be used for transporting gliders or equipment associated with gliders or empty travel of the trailer.

References

- Australian Vehicle Standards Rules - Rule 20 – Compliance with third edition Australian Design Rules (ADR) specific to ADR 43.4.2.1 Rear Overhang – all other requirements under Rule 20 must be complied with
- Australian Vehicle Standards Rules - Rule 70(3) – Rear Overhang
- Vehicle Standards Bulletin 1 – Building Small Trailers

More information

For more information, contact the department on 08 8924 7157 or email vehiclestandards.mvr@nt.gov.au

Attachment – the Northern Territory Gazette No. G1, 6 January 2010 (14/1)

NORTHERN TERRITORY OF AUSTRALIA

Motor Vehicles Act

EXEMPTION FROM MOTOR VEHICLES (STANDARDS) REGULATIONS

I, SIMON PHILLIP SAUNDERS, Acting Registrar of Motor Vehicles, pursuant to section 135 of the *Motor Vehicles Act*, exempt a pig trailer designed or constructed for transporting aeroplane gliders with an Aggregate Trailer Mass not greater than 4.5 tonne from *rear overhang* dimension provisions of Schedule 6, Rule 20 and Rule 70 (3) of the *Motor Vehicles (Standards) Regulations*, subject to the following conditions:

- a) rear overhang of the trailer shall not exceed 5.0 metres;
- b) width of the load carrying area or body of the trailer shall not exceed 2.0 metres if the rear overhang exceeds 3.7 metres in length;
- c) overall length of the trailer shall not exceed 12.2 metres;
- d) the trailer shall only be used for the purpose of transporting aeroplane gliders or equipment associated with aeroplane gliders or empty travel of the trailer;
- e) overall length of the towing vehicle and trailer combination, including any load, shall not exceed 19.0 metres;
- f) drawbar length of the trailer shall not exceed 8.5 metres;
- g) low beam headlights of the towing vehicle must be activated during travel; and
- h) side marker lamps are fitted to the trailer in accordance with the current National Code of Practice - Vehicle Standards Bulletin (VSB) 1 – “Building Small Trailers” as published by the Australian Government - and are activated during travel.

Dated this 21st day of December 2009

S.P. Saunders

Acting Registrar of Motor Vehicles