

Vehicle standards information



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Registration of non-conforming special purpose vehicles

Introduction

The Road Transport (Vehicle Registration) Regulation 2007 contains specific construction and equipment requirements for motor vehicles. A vehicle will not be accepted for registration unless it complies with these requirements.

The only exception to the above is where a vehicle is constructed for special purposes making compliance with legislative requirements not feasible (for example, large mobile cranes). Exemption from the Road Transport (Vehicle Registration) Regulation 2007 is considered on an individual vehicle basis. RTA Form No. 335 *Application to register a special purpose vehicle which does not comply with construction regulations* has been designed to gather information about each vehicle to allow a decision to be made on whether it should be registered.

Reasons for seeking exemption

Reasons for seeking an exemption are:

- Non-compliance with gross mass and/or axle load limits.
- Non-compliance with vehicle dimension limits. (length, width, height, rear overhang and projection forward of headlights and steering wheel).
- Hydraulic steering.
- Left hand or dual control steering.

There must be sound technical reasons for seeking an exemption from a construction requirement. Factors that are taken into account include the usage of the vehicle and whether the vehicle's functions can be undertaken by a complying vehicle.

For vehicle owners and operators in New South Wales

Registration procedure

1. Complete an *Application to register a special purpose vehicle which does not comply with construction regulations* (RTA Form 335, copy attached).
2. Attach originals of all necessary documentation. Original documentation will be returned following assessment.
3. Present the vehicle to an RTA Heavy Vehicle Inspection Station (HVIS) for inspection. The RTA inspector will:
 - Verify the details of the application.
 - Sign the application and forward it to the RTA's Vehicle Operations and Investigation Section for consideration.

If an application is made at the design stage or the vehicle has already been constructed but due to its special design it cannot be presented at an HVIS for inspection, all documents should be sent by registered mail directly to the Manager, Vehicle Operations and Investigation, Roads and Traffic Authority, PO Box 1120, Parramatta 2124 (the originals of any documents will be returned to you after assessment).

4. Once the application has been completed it will be considered by the RTA's Vehicle Operations and Investigation Section. A decision on approval is generally made within seven working days of receipt of a complete application. If documents are missing or further information is required this timeframe may be extended.
5. If the application is successful a letter of approval will be issued by the Vehicle Operations and Investigation Section. This letter sets out conditions that apply to the registration and operation of the vehicle. This letter must be presented to the RTA Motor Registry at the time of registration and a copy is to be retained in the vehicle at all times.

A vehicle will not be registered until all documents have been assessed and the vehicle has been inspected and shown to be suitable for registration. The vehicle cannot be used until approval is granted for registration.

Related publications

Vehicle Standards Information No. 5 *Vehicle dimension limits.*

Vehicle Standards Information No. 8 *Flashing lights and sirens.*

Vehicle Standards Information No. 15 *Engineering Signatories.*

Vehicle Standards Information No. 30 *Hydraulically steered motor vehicles.*

Attachment

Copy of RTA Form No. 335 *Application to register a special purpose vehicle which does not comply with construction regulations.*



For further enquiries:



RTA Technical Enquiries, PO Box 1120, Parramatta NSW 2124



1 300 137 302



02 9843 3821



www.rta.nsw.gov.au / tech-enq@rta.nsw.gov.au



APPLICATION TO REGISTER A SPECIAL PURPOSE VEHICLE WHICH DOES NOT COMPLY WITH CONSTRUCTION REGULATIONS

(REFER TO VEHICLE STANDARD INFORMATION NO. 5)

PART A GENERAL DESCRIPTION

Applicant's name: _____

Applicant's address: _____

Postcode: _____ Phone no.: _____

Contact person: _____ Fax no.: _____

Name and address under which the vehicle is to be registered: _____

Postcode: _____

Vehicle make: _____ Model: _____ Date of Manufacture: _____

Engine number: _____ VIN/Chassis number: _____

Vehicle description (eg. "mobile crane" etc): _____

Compliance plate number: _____ GVM: _____ GCM: _____

Estimated maximum speed of vehicle: _____

Describe the intended use of the vehicle: _____

Under what circumstances will the vehicle be driven on a road or road related area?

to travel from site to site (vehicle's main use is for site work)

other circumstances (please describe) _____

Areas of non-compliance for which exemption is sought:

Gross mass and/or axle loads _____ **COMPLETE PARTS A, B, C, D & G**

Dimension limits: length, width, height, front and rear overhang _____ **COMPLETE PARTS A, B, C, D & G**

Left hand drive/dual control _____ **COMPLETE PARTS A, B, C, D, E & G**

Hydraulic steering _____ **COMPLETE PARTS A, B, C, D, F & G**

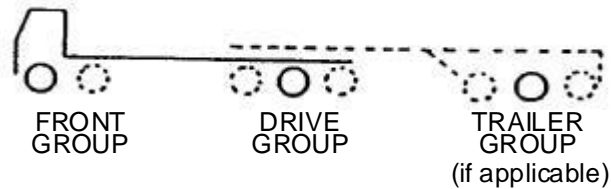
Other - describe below and attach a separate report _____

PART B

GROSS MASS & AXLE LOADS

TO BE COMPLETED IN EVERY CASE

(i) Complete the following table



If vehicle has more than 11 axles, show the following details on a separate sheet of paper and attach to this application. For vehicles up to 11 axles use diagram below:

(a) Write the number of tyres in circles (b) Write the distance between axle centres.

(a)

(b) | | | | | | | | | | |

If the vehicle has more than 5 axle groups, show details on a sheet of paper and attach it to the application. For vehicles with up to 5 axle groups use table below:

Number of axles in group

Overall axle width (mm)



Tyre size and ply rating of narrowest tyre in axle group

Load sharing axle group **YES or NO**

Manufacturer's maximum axle group ratings (tonnes)

Manufacturer's maximum suspension ratings (tonnes)

Group 1	Group 2	Group 3	Group 4	Group 5

Notes: The manufacturer's Gross Vehicle Mass (GVM) and Gross Combination Mass ratings are not to be exceeded. Refer to GVM/GCM ratings on vehicle compliance plate or check with the manufacturer. The manufacturer's axle and suspension ratings are not to be exceeded.

(ii) How were actual axle loads determined?

- Manufacturer's advice - (attach copy)

- Weighbridge - (attach weighbridge tickets)

(iii) If the axle loads exceed maximum load limits, has a permit application been completed?

YES

NO

(Attach permit application)

PART C DRIVER'S VIEW & PHOTOGRAPH TO BE SUPPLIED

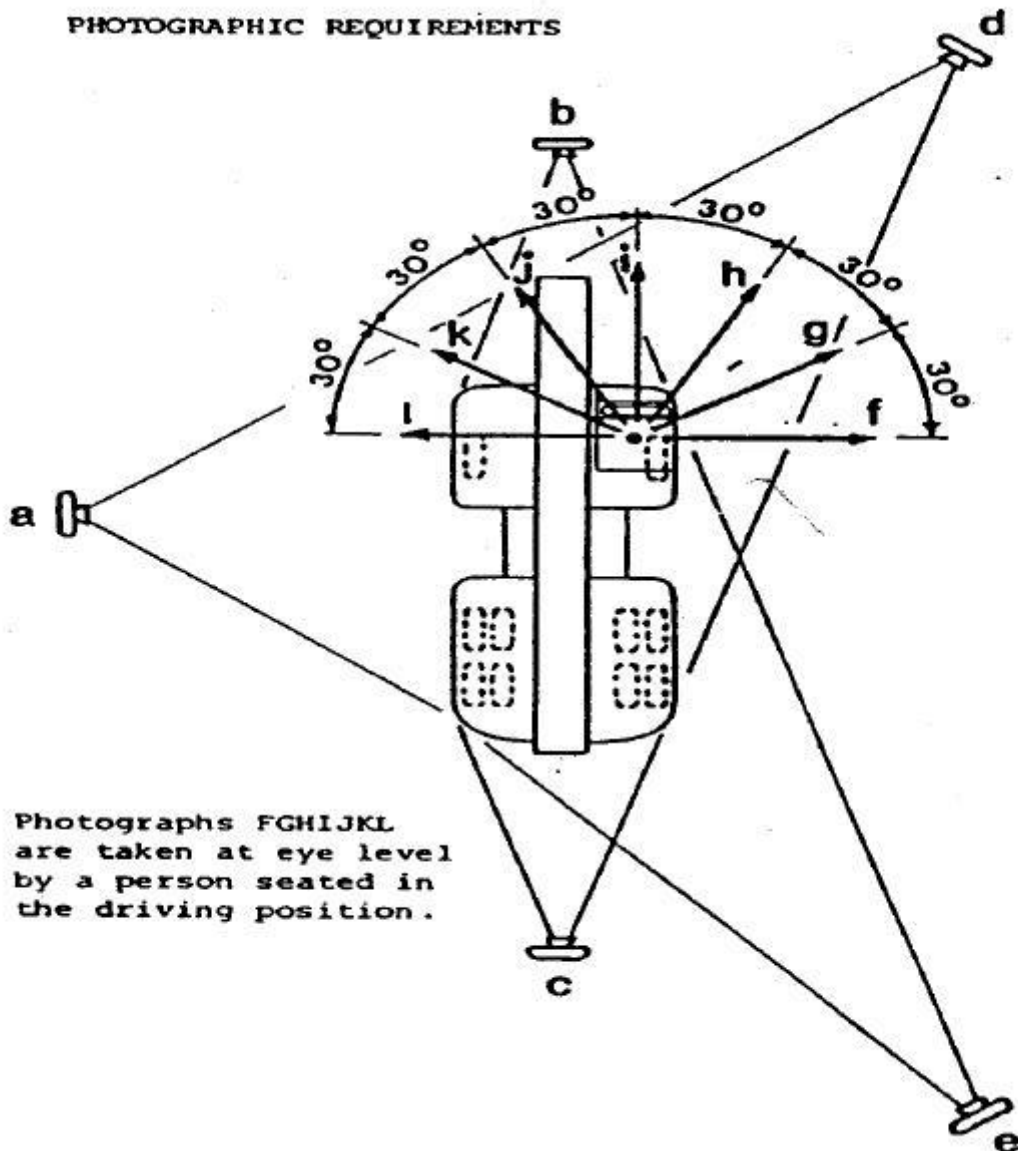
(i) Are any components which are associated with the special construction of the vehicle within the driver's view to the front or side? (An example would be where the boom of a mobile crane projects ahead of the driver's cabin.)

- NO - attach photographs a, b, c, d, & e
- YES - attach photographs a, b, c, d, e, f, g, h, i, j, k, & l

(ii) is the vehicle left hand drive/ or dual control?

- NO - attach photographs as required in part (i)
- YES - attach photographs a, b, c, d, e, f, g, h, i, j, k, & l

PHOTOGRAPHIC REQUIREMENTS



Photographs A, B, C, D, & E are to be supplied in all cases (except where application is made prior to construction of the vehicle).

Photographs taken in the direction of F, G, H, I, J, K & L are to be supplied for the driving position, where part of the special construction of the vehicle is within the driver's field of view to the front side.

Note: Photographs are to be colour prints using 35mm camera with a 50mm lens (or equivalent) to minimise distortion (colour "Polaroid" photographs are acceptable). Photographs taken with a "wide angle" lens are not acceptable.

PART D DIMENSION LIMITS

(additional dimension details are required for trailers - refer to page 5)

The legal limits for vehicle dimensions are shown in Vehicle Standards Information No 5 "Vehicle dimension limits".

OVERALL LENGTH

Overall length: _____ metres

OVERALL WIDTH (EXCLUDING MIRRORS & SIGNALLING DEVICES)

Overall width: _____ metres

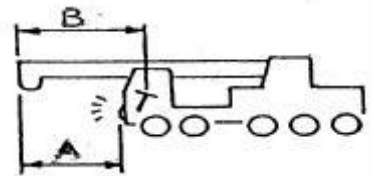
OVERALL HEIGHT

Overall height: _____ metres

FORWARD PROJECTION

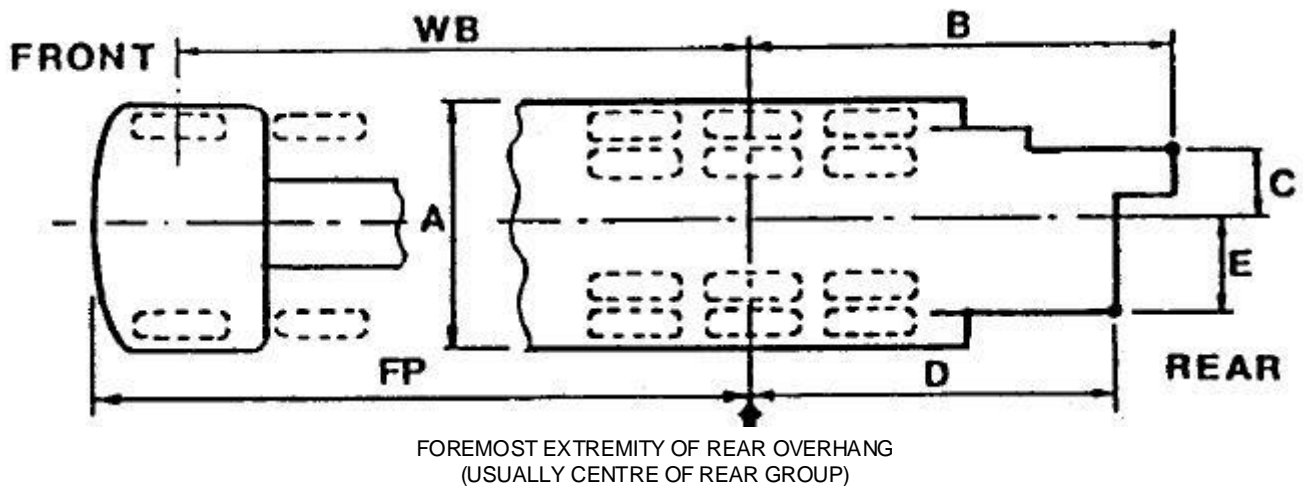
Projection ahead of headlights A: _____ metres

Projection ahead of steering wheel centre B: _____ metres



REAR OVERHANG

COMPLETE THE DIMENSIONS FOR YOUR VEHICLE ON THE DIAGRAM BELOW. IF THE DIAGRAM IS NOT APPROPRIATE FOR YOUR VEHICLE, ATTACH A SEPARATE DRAWING SHOWING A DIMENSIONED OUTLINE OF THE REAR OF YOUR VEHICLE IN PLAN VIEW.



- (i) Wheel base WB= _____ mm
- (ii) Forward projection FP= _____ mm
- (iii) Maximum width (excluding mirrors and signalling devices) A= _____ mm
- (iv) Rear overhang B= _____ mm
 - on right hand side C= _____ mm
- (v) Rear overhang D= _____ mm
 - on left hand side E= _____ mm
- (vi) By how much does the rear overhang exceed the legal limit? _____ mm

(vii) If your vehicle exceeds the maximum rear overhang limit, you may need to supply a swept path diagram for the vehicle. If so use the Austroads template that most closely represents your vehicle configuration.

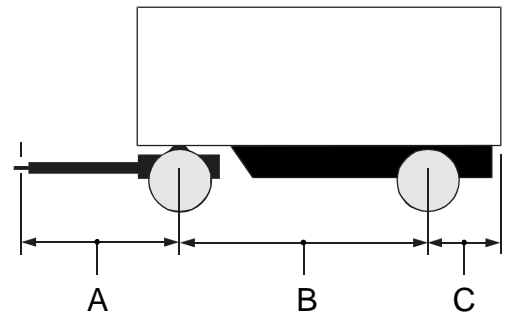
YES NO - (Attach documents)

TRAILERS - (Dimensions continued from page 4)

Indicate trailer type ✓

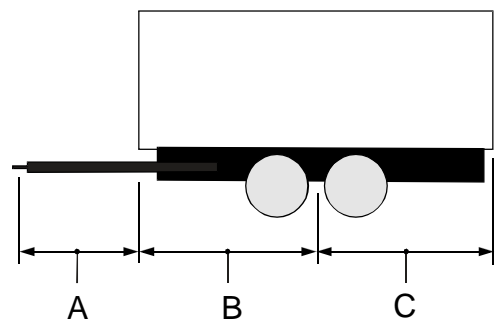
Dog trailer

- A. Drawbar length mm
- B. Wheelbase mm
- C. Rear overhang mm



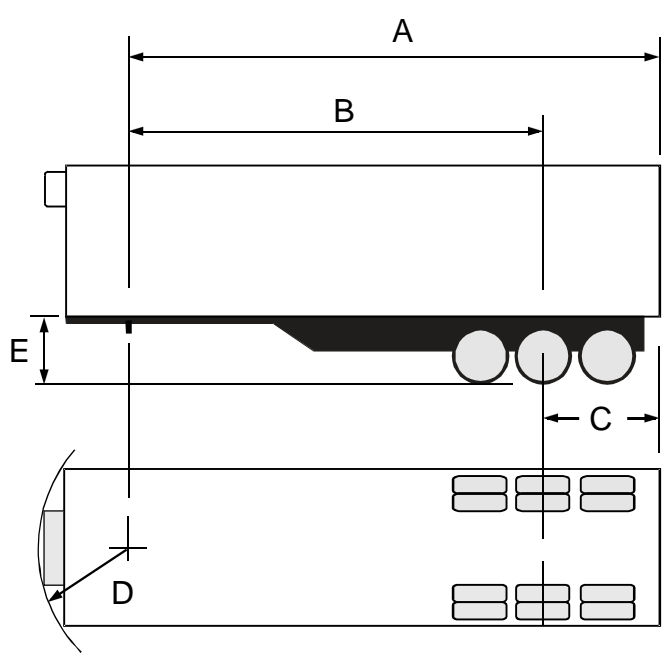
Pig trailer

- A. Drawbar length mm
- B. Forward loading space mm
- C. Rear overhang mm



Semi-trailer

- A. Point of articulation to rear of trailer mm
- B. Point of articulation to foremost extremity of rear overhang mm
- C. Rear overhang mm
- D. Radius forward of trailer kingpin (includes any trailer fittings eg. refrigeration unit). mm
- E. Deck height mm



PART E

LEFT HAND DRIVE OR DUAL CONTROL

(i) Please indicate the reason why your vehicle must be left hand drive:

Explain why the vehicle cannot be converted to right hand drive:

The nature of operation requires that the vehicle be left hand drive. (Explain operation):

Other (describe):

(ii) Is the vehicle dual control (two sets of controls - LHD and RHD)?

NO

a) Does your vehicle hold compliance plate approval for dual control?

CPA No. _____ If not.

YES

b) Attach a description, including drawings or photographs of the method of obtaining dual control _____ and _____

c) describe the circumstances under which the left hand side steering control will be used and indicate the reason for driving the vehicle from the left hand side.

NOTE: Your attention is drawn to the requirement in PART C that in addition to the photographs showing the general construction of the vehicle, seven more photographs are to be provided which show the field of view of a person seated in the left hand driving position.

PART F

HYDRAULIC STEERING

Some special purpose vehicles are manufactured with hydraulic steering systems without any mechanical linkage to provide manual override in the event of hydraulic failure (this does not include POWER ASSISTED STEERING).

(i) Is the vehicle fitted with full hydraulic steering? YES NO

(ii) If yes, attach a separate report showing in details how the system operates.

Is such a report attached? YES NO

(iii) If yes, is a steering failure warning device fitted? YES NO

PART G

DECLARATION

Declaration of applicant:

I hereby declare that all particulars are correct and apply for exemption in the case of the items listed under PART A of this application.

In support of this application I have completed the applicable parts and have included the following documentation.

(i) Data showing the tare weight and the individual axle group weights.

(ii) Manufacturer's brochure/s and/or specifications.

(iii) Photographs.

(iv) Where necessary, swept path drawings.

Signature of Applicant: _____ Date: _____

Declaration of the person in whose name the vehicle will be registered.

I acknowledge that this vehicle does not comply with the requirements of the Road Transport (Vehicle Registration) Regulation 2007 in respect of the items listed under PART A of this application.

Name of Owner (print): _____ Date: _____

Signature of Owner: _____

(In the case of partnerships, companies etc. the capacity of the signatory should be shown ie., Partner, Manager, Secretary etc)

OFFICE USE ONLY

REPORT OF VEHICLE INSPECTOR

I certify that the information provided on this form has been checked and is correct and that, apart from the areas of non-compliance listed in Part A of this form the vehicle complies, in all other respects, with the Road Transport (Vehicle Registration) Regulation 2007.

Signed

AIS/IVR No.

Station/Registry

Date

Approval is recommended (Head Office Use Only)

Name: _____

Signature: _____ Date _____

Approved

Name: _____

Signature: _____ Date _____

Approval No. _____