

Description of Heavy Vehicle (from July 2006)



Nominated configuration for all vehicles over 4.5 tonnes Gross Vehicle Mass (GVM)
 For use with Application for Registration, Application for Transfer of Registration and for changing the nominated configuration.
The registered operator or a representative with written authority must complete the form in full.
 Registration charges are available from the RTA Internet at www.rta.nsw.gov.au or from the RTA Call Centre on 13 22 13.

1. Registered name

Name

If a company, representative's name

2. Vehicle details

Registration plate number (if issued)

Make

VIN/Chassis number

GVM on compliance plate

 kgs

Note: You must check the compliance plate on the vehicle.

If no compliance plate or vehicle is modified, give the operating GVM

 kgs

Note: An SPV may have a GVM the same as the tare weight if it has no carrying capacity.

Gross Combination Mass (GCM) on compliance plate (if applicable)

 kgs

Number of seated adults including the driver (buses only)

3. Nominated configuration (see over for explanation) Nom. Code (RTA use only)

- | | | |
|----------------------------------------|--------------------------|-----|
| Rigid truck (no trailers) | <input type="checkbox"/> | RT0 |
| Short combination truck | <input type="checkbox"/> | RT1 |
| Medium combination truck | <input type="checkbox"/> | RT2 |
| Long combination truck | <input type="checkbox"/> | RT3 |
| Short combination prime mover | <input type="checkbox"/> | PM1 |
| Medium combination prime mover | <input type="checkbox"/> | PM2 |
| Long combination prime mover | <input type="checkbox"/> | PM3 |
| Trailer | <input type="checkbox"/> | TLR |
| Bus | <input type="checkbox"/> | BUS |
| Special Purpose Vehicle (SPV) (Type P) | <input type="checkbox"/> | SPP |
| Special Purpose Vehicle (SPV) (Type T) | <input type="checkbox"/> | SPT |
| Special Purpose Vehicle (SPV) (Type O) | <input type="checkbox"/> | SP2 |

4. Change of nominated configuration

Note: If you change the configuration you have previously nominated to a higher configuration you must complete a new Description of Heavy Vehicle form and take it to a motor registry. You must attach the new label to the vehicle before it is operated at its new configuration.

I wish to change the nominated configuration

5. Axle code

Axle code (see page 4 for details)

If your axle code reflects an adjustment for axle spacing tick here

6. Special Purpose Vehicles (SPV) only

Description of vehicle

Is the vehicle built as a passenger or load carrying vehicle? Yes No When carrying a load is your vehicle usually operated on the road? Yes No If fitted with equipment, is it removable without major mechanical alterations? Yes No Is the vehicle built on a normal truck chassis? Yes No When operated on the road is the weight on any axle in excess of axle load limits? Yes No

7. Declaration

Please read carefully before you sign. You could be prosecuted if you provide incorrect information.

I declare that the information given is complete, true and correct in every detail and any registration label on the vehicle will be destroyed and replaced with the new label. I acknowledge that, before the vehicle can be operated at a higher configuration than nominated, an adjustment to the registration must be made.

Signature of applicant

Date

Important notes:

- The configuration (config.) code, for enforcement purposes, will be printed on the registration label when the registration has been paid.
- You may operate a heavy vehicle at a lower configuration than nominated. It is an offence to operate a vehicle at a configuration higher than nominated.

RTA office Use

Proof of Identity

Stand alone or primary proof

Document number

Licence number

Document number

RSO signature

Staff number

Date

Question 3 - Nominated configuration

Charges for heavy vehicles are calculated using the vehicle's type, GVM, the number of axles, and vehicle's nominated configuration. The nominated configuration for a truck or prime mover refers to the combination of the hauling unit and trailers. **You must nominate the highest configuration at which you intend to operate the vehicle.** The illustrations below represent examples of typical vehicles for each configuration.



The registration fee and the inspection fee apply in addition to the charges for Heavy Vehicles. An additional administrative fee is applied to a registration effected for a period of less than one year. Charges are available from the RTA Internet or from the RTA Call Centre on 13 22 13.




When nominating a configuration:




- a trailer with a Gross Trailer Mass Rating (GTMR) or Aggregate Trailer Mass (ATM) 4.5 tonnes or less is not counted in the combination (eg a truck pulling this type of trailer is a rigid truck not a short combination truck).
- A converter dolly/low loader dolly and a semi-trailer used in combination are considered to be one trailer.
- SPV trailers are not included in a combination.
- a tow truck when towing another vehicle in its capacity as a tow truck, is to be treated as a rigid truck, if when not towing another vehicle it is a rigid truck. This does not include a prime mover fitted with a fifth wheel (turntable).


Truck configurations

Trailers are registered separately to trucks. A self propelled plant vehicle that is not an SPV, must nominate as a truck configuration.

Rigid truck (no trailers over 4.5t GTMR)		
Type 1 (lower GVM limit)		
		
No. of truck axles	GVM up to	Config. code
2	12.0t	1R2
3	16.5t	1R3
4	20.0t	1R4
5+	20.0t	1R5
Type 2 (higher GVM limit)		
		
No. of truck axles	GVM over	Config. code
2	12.0t	2R2
3	16.5t	2R3
4	20.0t	2R4
5+	20.0t	2R5



Short combination truck (up to and including 6 axles in combination and 42.5 tonnes or less)		
		
		
		
No. of truck axles	Config. code	
2	SR2	
3	SR3	
4+	SR4	


Medium combination truck (more than 6 axles in combination or more than 42.5 tonnes)		
		
		
		
No. of truck axles	Config. code	
2	MR2	
3	MR3	
4+	MR4	


Long combination truck (2+ trailers)	
	
No. of truck axles	Config. code
2	LR2
3	LR3
4+	LR4

Prime mover configurations

Trailers are registered separately to prime movers.


Short combination prime mover (1 Trailer only)	
	
No. of prime mover axles	Config. code
2	SP2
3	SP3
4+	SP4

Medium combination prime mover (B-Double)	
	
No. of prime mover axles	Config. code
2	MP2
3	MP3
4+	MP4




Long combination prime mover (Road Train)	
	
No. of prime mover axles	Config. code
2	LP2
3	LP3
4+	LP4

Trailer configurations

Includes semi-trailers, dollies, pig, dog and pole-type trailers, but excludes SPV trailers.

Trailers	
	
No. of axles	Config. code
1	HT1
2	HT2
3	HT3
4 - 9	HT4 - 9


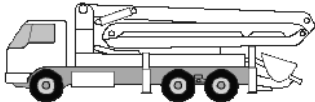
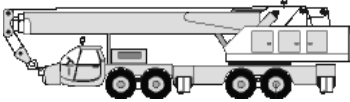
Bus Configurations

Bus		
Type 1 (lower GVM limit)		
		
No. of axles	GVM up to	Config. code
2	12.0t	1B2
Type 2		
 		
No. of axles	GVM over	Config. code
2	12.0t	2B2
3+	4.5t	2B3

Articulated Bus

Articulated Bus	
	
No. of axles	Config. code
3+	AB3

Special Purpose Vehicle configurations

SPV	
Type P (Plant)	
	
No. of axles	Config. code
Any	PSV
Type T (Truck) (all axles within mass limits)	
	
No. of axles	Config. code
Any	TSV
Type O (Overmass) (1 or more axles over mass limits)	
	
No. of axles	Config. code
1	OSV1
2	OSV2
3	OSV3
4	OSV4
5-12	OSV5-12

Vehicle configuration definitions for charges

Rigid truck types 1 and 2	A truck nominated not to haul a trailer over 4.5t GTMR at any time. The difference between the types is that Type 1 has lower GVM limits. Includes truck based plant that are not SPVs.
Short combination truck	A truck nominated to haul one trailer where: (a) the combination has 6 axles or less and (b) the maximum total mass that is legally allowable for the combination is 42.5 tonnes or less.
Medium combination truck	A truck, other than a short combination truck nominated to haul one trailer.
Long combination truck	A truck nominated to haul two or more trailers.
Short combination prime mover	A prime mover nominated to haul a maximum of one trailer only.
Medium combination prime mover (B-Double)	A prime mover nominated to haul two semi-trailers where the second semi-trailer is mounted on the rear of the first semi-trailer.
Long combination prime mover (Road train)	A prime mover nominated to haul two or more trailers, not including a medium combination prime mover.
Trailer	A load-carrying vehicle without motive power, with a GTMR or ATM over 4.5 tonnes, designed to be hauled by another vehicle. An SPV trailer is classed as a Type T (Truck). Examples include air compressors and generators.
Converter dolly	A trailer, with one axle group or single axle and a fifth wheel coupling, designed to convert a semi trailer into a dog trailer.
Low loader dolly	A mass-distributing device that: (a) is usually coupled between a prime mover and low loader; and (b) consists of a gooseneck rigid frame; and (c) does not directly carry any load itself; and (d) is equipped with one or more axles, a kingpin and a fifth wheel coupling.
Bus	A vehicle currently fitted to carry more than nine seated adults including the driver.
Special Purpose Vehicle (SPV)	A vehicle whose primary purpose for which it was built, or permanently modified, is not the carriage of goods or passengers.
(SPV) (Type P)	Built, or permanently modified, primarily for: (a) off-road use; or (b) use on a road related area; or (c) use on an area of road that is under construction or repair. Examples include: tractors, bulldozers, backhoes, graders and front end loaders.
(SPV) (Type T)	Built, or permanently modified, primarily for use on roads and that has no axle or axle group in excess of the mass limits. Examples include: cherrypickers, concrete pumps and SPV trailers (air compressors and generators).
(SPV) (Type O)	Built, or permanently modified, primarily for use on roads and that has at least one axle or axle group in excess of the mass limits. Examples include: mobile cranes and well-boring plant.

Question 4 - Axle code

The axle code is used to record the layout and number of axles and tyres on your vehicle. Select the axle code that most closely matches your vehicle's axle layout and number of tyres (as shown by the white numbers). Include non-driven axles (eg retractable, tag, lazy, pusher axles etc).

Note: All prime movers and all trailers (including dollies, pigs and dogs) must have separate registration.

See Axle spacings below for vehicles with small wheels grouped closely together.

Trucks, prime movers, buses

Axle layout	Axle code
	R11
	R12
	R19
	R13
	R14
	R15
	R16
	R22
	R24
	R26

All Trailers including SPV Trailers

Axle layout	Axle code
	T1
	T2
	T9
	T3
	T4
	T0
	T5
	T6
	T8
	T22
	T24
	T44

Self Propelled Plant and SPVs

The axle code for these vehicles only includes the total number of axles.	P# # the number of axles on the vehicle (from 1 to 12)	For trailers with more than four axles, ie 5, 6, 7, 8 or 9.	T1# where # the number of axles on the vehicle (from 5 to 9)
---------------------------------------------------------------------------	------------------------------------------------------------------	-------------------------------------------------------------	------------------------------------------------------------------------

Axle spacings (for charging purposes only)

For calculation of the number of axles on your vehicle, please note the following:

- 2 axles not more than 1 metre apart from the wheel centres are regarded as 1 axle
- 3 axles not more than 2 metres apart from the wheel centres are regarded as 2 axles
- 4 axles not more than 3.2 metres apart from the wheel centres are regarded as 3 axles

Please tick the box on page 1 if you have made an adjustment for axle spacing.