

Vehicle Standards Instruction (General 27.1)

Vehicle Standards for Conditionally Registered Vehicles

Released July 2014

This Vehicle Standards Instruction (VSI) is to be used as a guide to assist applicants in determining if their vehicles comply with the *Guideline for Conditionally Registered Vehicles in Queensland* (the guideline) and the requirements of the *Transport Operations (Road Use Management—Vehicle Standards and Safety) Regulation 2010* (the VSS Regulation) for light vehicles and the *Heavy Vehicle (Vehicle Standards) National Regulation* (the HVVS Regulation) for heavy vehicles. Information is also provided to assist in determining if a vehicle exceeds dimension and mass requirements.

This document does not provide comprehensive information regarding regulation requirements for example, specific details regarding the placement of lights etc. For further information, applicants should refer to the applicable regulation.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Steering	Schedule 1 Section 16	Schedule 2 Section 4	<ul style="list-style-type: none"> A component of a steering system of a motor vehicle that is essential for effective steering of the vehicle must be built to transmit energy by mechanical means only. Failure of a non-mechanical component of the steering system must not prevent effective steering of the vehicle. These requirements do not apply to a motor vehicle if the vehicle is built for a purpose other than the transport of goods or people by road. 	<ul style="list-style-type: none"> Skid steer vehicles - only exempt if issued and complying with condition code LO1, LO3, LO5, LO6(A), LO6(B) or LO7.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Drivers view and controls	Schedule 1 Section 20	Schedule 2 Section 8	<ul style="list-style-type: none"> A motor vehicle must be built to allow the driver a view of the road and of traffic to the front and sides of the vehicle so the driver can drive the vehicle safely; and With its controls located so the driver can drive the vehicle safely. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and operating in compliance with general operation condition code GO3.
Pneumatic tyres	Schedule 1 Section 36	Schedule 2 Section 24	<ul style="list-style-type: none"> A vehicle built after 1932 must be fitted with pneumatic tyres. 	<ul style="list-style-type: none"> A vehicle fitted with solid rubber tyres or steel wheels is only exempt if issued and complying with condition code LO1, LO5, LO6 (A), LO6 (B), GO9 or LO7. A vehicle is only exempt if the operation complies with the manufacturers rating for the tyre. A vehicle fitted with rubber tracks is only exempt if issued and complying with condition code OM2 or the calculated ground pressure is less than 60 kPa and the vehicle is articulated or is fitted with differential steering. A vehicle fitted with steel tracks is only exempt if issued and complying with location code LO5 or LO6 (A).

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Headlights	Schedule 1 Section 59	Schedule 2 Section 39	<ul style="list-style-type: none"> A motor vehicle must be fitted with: <ul style="list-style-type: none"> (a) if it is a moped, motorbike, or motor trike with 1 front wheel - 1 low-beam headlight; or (b) If it has 4 or more wheels or is a motor trike, other than a moped, with 2 front wheels - a pair of low-beam headlights. If a motor vehicle built after 1934 can travel at over 60km/h: <ul style="list-style-type: none"> (a) each low-beam headlight mentioned above must be able to work in the high-beam position; or (b) the vehicle must be fitted with- <ul style="list-style-type: none"> (i) 1 headlight that can work in the high-beam position if the vehicle is required to have 1 low-beam headlight; or (ii) A pair of headlights that can work in the high-beam position. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.
Taillights	Schedule 1 Section 68	Schedule 2 Section 47	<ul style="list-style-type: none"> A vehicle must have at least 1 tail light fitted on or towards the rear of the vehicle. A motor trike with 2 rear wheels, or a motor vehicle with 4 or more wheels, built after 1959 must have at least 1 tail light fitted on or towards each side of the rear of the vehicle. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Number plate lights	Schedule 1 Section 73	Schedule 2 Section 51	<ul style="list-style-type: none"> At least 1 number plate light must be fitted to the rear of a vehicle. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.
Park lights	Schedule 1 Section 66	Schedule 2 Section 45	<ul style="list-style-type: none"> A motor vehicle built after June 1953 must be fitted with – <ul style="list-style-type: none"> (a) if it is a motor trike with 2 front wheels, other than a moped, or a motor vehicle with 4 or more wheels – a pair of parking lights; or (b) If it is a motorbike with an attached sidecar, or a motor trike with 1 front wheel, other than a moped – at least 1 parking light. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Front clearance lights	Schedule 1 Section 74	Schedule 2 Section 52	<ul style="list-style-type: none"> Front clearance lights may only be fitted to a vehicle that is at least 1.8m wide. A pair of front clearance lights must be fitted to a motor vehicle that is at least 2.2m wide. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.
Rear clearance lights	Schedule 1 Section 76	Schedule 2 Section 54	<ul style="list-style-type: none"> Rear clearance lights may only be fitted to a vehicle that is at least 1.8m wide. A pair of rear clearance lights must be fitted to a motor vehicle that is at least 2.2m wide. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.
Side marker lights	Schedule 1 Section 77	Schedule 2 Section 55	<ul style="list-style-type: none"> A pair of side marker lights must be fitted towards the rear of the sides of a motor vehicle that is not over 7.5m long and at least 2.2m wide. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with a location limitation code (LO) or (OS) and the vehicle is not permitted to operate between sunset and sunrise (TD). A vehicle operating under a condition code LO5 is permitted to operate between sunset and sunrise if operating in a flood lit work site. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Front, side and rear reflectors	Schedule 1 Section 93,95 & 98	Schedule 2 Section 70, 72 & 74	<ul style="list-style-type: none"> Front reflectors – a motor vehicle – <ul style="list-style-type: none"> (a) With 4 or more wheels may have 1 or more front-facing white or yellow reflectors fitted towards each side of its front. (b) With less than 4 wheels may have 1 or more front-facing white or yellow reflectors? Rear reflector – a motor vehicle with 4 or more wheels must have a rear-facing red reflector towards each side of its rear. Side reflectors – a vehicle may be fitted with side-facing reflectors. 	<ul style="list-style-type: none"> Front reflectors – a motor vehicle – <ul style="list-style-type: none"> (a) With 4 or more wheels may have 1 or more front-facing white or yellow reflectors fitted towards each side of its front. (b) With less than 4 wheels may have 1 or more front-facing white or yellow reflectors? Rear reflector – a motor vehicle with 4 or more wheels must have a rear-facing red reflector towards each side of its rear. Side reflectors – a vehicle may be fitted with side-facing reflectors.
Brake lights	Schedule 1 Section 81	Schedule 2 Section 59	<ul style="list-style-type: none"> A brake light must be fitted to the rear of a vehicle, other than a sugar trailer, built after 1934. A pair of brake lights must be fitted to the rear of – <ul style="list-style-type: none"> (a) a motor vehicle built after 1959 that has 4 or more wheels; and (b) A motor trike built after 1959 that has 2 rear wheels. 	<ul style="list-style-type: none"> A vehicle is only exempt if issued and complying with location limitation condition code LO1 or LO5 or vehicle speed does not exceed 20 km/hr. A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the position required by this section.

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Direction indicating lights	Schedule 1 Section 85	Schedule 2 Section 62	<ul style="list-style-type: none"> • A motor vehicle with 4 or more wheels that was built after August 1966 must have - <ul style="list-style-type: none"> (a) a pair of direction indicator lights fitted on, or towards, its front that face forwards; and (b) A pair of direction indicator lights fitted on, or towards, its rear that face backwards. • A motor vehicle with less than 4 wheels that was built after June 1975 must have – <ul style="list-style-type: none"> (a) A pair of direction indicator lights fitted on, or towards, its front that face forwards; and (b) A pair of direction indicator lights fitted on, or towards, its rear that face backwards. • A motor vehicle that is not required to have direction indicator lights may have – <ul style="list-style-type: none"> (a) 1 or more pairs of direction indicator lights that are visible from both the front and rear of the vehicle; or (b) Both <ul style="list-style-type: none"> (i) a pair of direction indicator lights fitted on, or towards, its front that face forwards; and (ii) A pair of direction indicator lights fitted on, or towards, its rear that face backwards. 	<ul style="list-style-type: none"> • A vehicle is only exempt if issued and complying with location limitation condition code LO1 or LO5. • A vehicle is only exempt from these requirements if the lights are fitted as close as is practicable to the positions required by this section

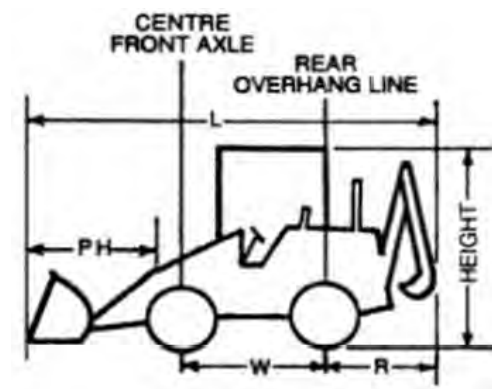
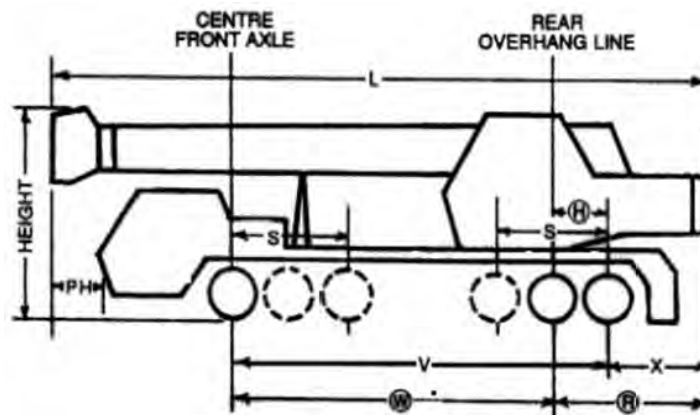
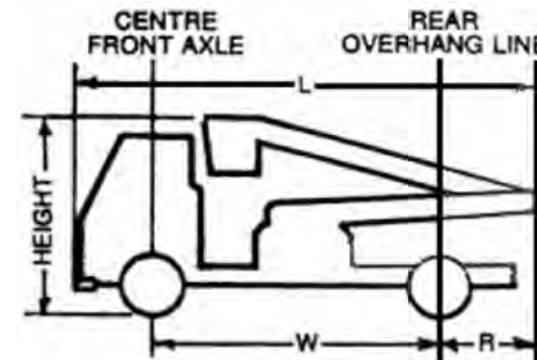
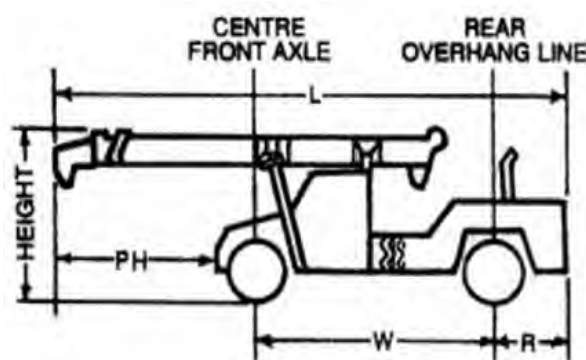
Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Horn	Schedule 1 Section 23	Schedule 2 Section 11	<ul style="list-style-type: none"> A motor vehicle must be fitted with at least 1 horn or other device that can give audible warning to other road users of the approach or position of the vehicle. 	<ul style="list-style-type: none"> Nil
Rear vision mirrors	Schedule 1 Section 24	Schedule 2 Section 12	<ul style="list-style-type: none"> At least 1 rear vision mirror must be fitted to – <ul style="list-style-type: none"> (a) a car; and (b) a motorbike with 2 front wheels; and (c) A motorbike, or motor trike with 1 front wheel, built before July 1975. At least 1 rear vision mirror must be fitted to each side of – <ul style="list-style-type: none"> (a) a motor vehicle with a GVM over 3.5t; and (b) A motorbike, or motor trike with 1 front wheel, built after June 1975. A motor vehicle with a GVM not over 3.5t, other than a motor vehicle mentioned above, must be fitted with – <ul style="list-style-type: none"> (a) at least 1 rear vision mirror on the right side of the vehicle; and (b) At least 1 rear vision mirror on the left side of the vehicle or inside the vehicle. A rear vision mirror fitted to a motor vehicle with a GVM over 3.5t must not project over 150mm beyond the widest part, excluding lights, signalling devices and reflectors, of the vehicle or combination. However, the rear vision mirror may project not over 230mm beyond the widest part of the vehicle or combination. 	<ul style="list-style-type: none"> Nil

Standard	VSS Regulation Section	HVVS Regulation Section	Requirements	Exemptions
Mudguards	Schedule 1 Section 22	Schedule 2 Section 10	<ul style="list-style-type: none"> A vehicle must have firmly fitted a mudguard for each wheel or for adjacent wheels. 	<ul style="list-style-type: none"> This requirement does not apply to a vehicle if – <ul style="list-style-type: none"> (a) the construction or use of the vehicle makes fitting of the mudguard unnecessary or impracticable; or (b) The body or part of the body of the vehicle acts as a mudguard.

Dimension Requirements

The *Transport Operations (Road Use Management—Vehicle Standards and Safety) Regulation 2010* (the VSS Regulation) [for light vehicles] and the *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* (the HV-MDL Regulation) [for heavy vehicles] set the dimension limits for all vehicles. If a vehicle exceeds these limits, it may need to operate under a permit or guideline/ notice.

- Width
 - No greater than 2.5m
- Height
 - No greater than 4.3m
- Length (L)
 - No greater than 12.5m
- Distance from Rear Overhang Line (R)
 - No greater than 3.7 m; or
 - 60% of the wheelbase (W), whichever is the lesser.
- Projection in front of headlamp (PH)
 - No greater than 1.2m
- Axle group spacing (S)
 - Tandem (dual) axles—between 1 and 2m
 - Tri axles—between 2 and 3.2m
 - Quad axles—between 3.2 and 4.9m



Mass Requirements

The *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* (the HV-MDL Regulation) set the mass limits for all heavy vehicles. If a heavy vehicle exceeds these limits, it will need to operate under a permit or guideline/ notice.

Axles and Tyres	Maximum Axle or Axle Group Load (tonnes)
/—/ Steer	6.0
— Single 2 tyres	6.0 — Tyre width less than 375mm 6.7 — Tyre width from 375 mm to 449mm 7.0 — Tyre width 450mm or more
— Single 4 tyres	9.0 8.5 — When fitted to a pig trailer 10.0 — When fitted to a bus licensed to carry standing passengers
/—/ Twin /—/ Steer	10.0 — Fitted with non-load sharing suspension 11.0 — Fitted with load sharing suspension
— Tandem — 4 tyres	11.0 — Tyre width less than 375mm 13.3 — Tyre width from 375 mm to 449mm 14.0 — Tyre width 450mm or more
— Tandem — 6 tyres	13.0

Axles and Tyres	Maximum Axle or Axle Group Load (tonnes)
— Tandem — 8 tyres	16.5 15.0 — When fitted to a pig trailer
— Triaxle — 6 tyres —	20.0 — Tyre width 375mm or greater 15.0 — Tyre width less than 375mm 18.0 — When fitted to a pig trailer with tyre width 375mm or greater
— Triaxle — 12 tyres —	20.0 18.0 — When fitted to a pig trailer
— Triaxle — Combination — of 2 and 4 — tyres per — axle	20.0 15.0 — Tyre width on single tyres less than 375mm 18.0 — When fitted to a pig trailer with tyre width 375mm or greater
— Quad — 8 tyres — —	20.0 — Tyre width 375mm or greater 15.0 — Tyre width less than 375mm
— Quad — 16 tyres — —	20.0