



Vehicle Standards Guides (<https://www.nhvr.gov.au/safety-accreditation-compliance/vehicle-standards-and-modifications/vehicle-standards-guides>)

These Vehicle Standards Guides provide advice and guidance, on a range of issues regarding heavy vehicle standards and modifications.

The NHVR produces these guides based on frequently asked questions and hot topics that may arise from time to time.

Title	Topic
<u>VSG31 - Road trains - Trailer coupling requirements (PDF, 293KB)</u> (https://www.nhvr.gov.au/files/202012-1204-vsg31-road-trains-trailer-coupling-requirements.pdf)	This guide provides information for vehicle inspectors, Approved Vehicle Examiners and owners of heavy vehicles about road train rated trailers.
<u>VSG30 - Vehicle Mounted Lifting Systems - Width Requirements (PDF, 208KB)</u> (https://www.nhvr.gov.au/files/202012-1195-vsg30-vehicle-mounted-lifting-systems-width-requirements.pdf)	This guide provides information for Approved Vehicle Examiners (AVEs) and owners modifying heavy vehicles by the addition of lifting equipment.
<u>VSG29 - Rear Marking Plates and Do Not Overtake Turning Vehicle signs (PDF, 171KB)</u> (https://www.nhvr.gov.au/files/202007-1160-vsg29-rear-marking-plates-and-do-not-overtake-turning-vehicle-signs.pdf)	Rear marking plates that are faded, damaged, incorrectly fitted or no longer clearly marked with all required information must be replaced with Class 1A, 400 or UNR70 plates.
<u>VSG28 - In-Service Emission Testing - Portable Emissions Measuring System Equipment (PDF, 309KB)</u> (https://www.nhvr.gov.au/files/201901-0981-vsg28-in-service-emission-testing-portable-emissions-measuring-system.pdf)	Advice on alternative method of checking gaseous emission and ensuring compliance after modifying a heavy vehicle's engine. Additional information on the testing procedure can be found in the <u>Simplified Emissions Test Procedure - Portable Emissions Measurement System (PDF, 522KB)</u> (https://www.nhvr.gov.au/files/201901-0982-simplified-emissions-test-procedure-pems.pdf)
<u>VSG27 - Labelling requirements for Hydrogen and Electric-powered vehicles (PDF, 235KB)</u> (https://www.nhvr.gov.au/files/201812-0971-vsg27-labelling-requirements-for-hydrogen-and-electric-powered-vehicles.pdf) - Updated 10 December 2019	Advice to manufacturers and operators of hydrogen and electric-powered vehicles (including hybrid vehicles) regarding new labelling requirements from 1 January 2019.
<u>VSG26 - Detainee transport vehicle standards exemption (PDF, 216KB)</u> (https://www.nhvr.gov.au/files/201812-0962-vsg26-detainee-transport-vehicle-standards-exemption.pdf)	Advice on the <i>National Heavy Vehicle Standards (Detainee Transport Vehicle) Exemption Notice 2018 (No. 1)</i> .
<u>VSG25 - Connecting Advanced Braking Systems in combination (PDF, 184KB)</u> (https://www.nhvr.gov.au/files/201809-0892-vsg25-connecting-advanced-braking-systems-in-combination.pdf)	Advice to heavy vehicle owners and operators about when a trailer equipped with an advanced braking system must have the antilock braking system (ABS)/electronic braking system (EBS) electrical plug connected.
<u>VSG24 - Emergency services speed limiting exemption notice (PDF, 196KB)</u> (https://www.nhvr.gov.au/files/201807-0867-vsg24-emergency-services-speed-limiting-exemption-notice.pdf)	Advice to emergency service entities on the requirement for heavy emergency vehicles to comply with maximum road speed limiting requirements.

Title	Topic
<p>VSG23 - 26 metre B-double Car Carriers (PDF, 176KB) (https://www.nhvr.gov.au/files/201806-0855-vsg23-26m-b-double-car-carriers.pdf)</p>	<p>Advice about changes made to the requirements for a combination that is a B-double and is fitted with two decks for carrying vehicles.</p>
<p>VSG22 - Requirements for tag trailers (PDF, 319KB) (https://www.nhvr.gov.au/files/201806-0852-vsg22-requirements-for-tag-trailers.pdf) - Updated 10 December 2019</p>	<p>Advice to heavy vehicle owners and operators about what a tag trailer is and the applicable requirements under the Heavy Vehicle National Law.</p>
<p>VSG21 - National roller brake testing procedure (PDF, 229KB) (https://www.nhvr.gov.au/files/201801-0762-vsg21-national-rbt-procedure.pdf) - Updated April 2020</p> <p>Please note the following supporting documents:</p> <ul style="list-style-type: none"> • National roller brake testing procedure (PDF, 959KB) (https://www.nhvr.gov.au/files/201801-0760-national-roller-brake-testing-procedure.pdf) • Phasing in the National roller brake testing procedure (PDF, 1.3MB) (https://www.nhvr.gov.au/files/201801-0761-phasing-in-national-rbt-procedure.pdf) 	<p>Provides inspectors who operate at third party approved inspection stations (AIS) with information about the new National roller brake testing procedure (RBT procedure).</p> <p>Updated April 2020 with important information about calibration delays during COVID-19.</p>
<p>VSG19 - Vehicle warning signs (PDF, 555KB) (https://www.nhvr.gov.au/files/201806-0736-vsg19-vehicle-warning-signs.pdf) - Updated 28 February 2020</p>	<p>Information about warning sign requirements for combinations longer than 22m.</p>
<p>VSG18 - Low friction plates on fifth wheels and skid plates (PDF, 360KB) (https://www.nhvr.gov.au/files/201712-0715-vsg18-low-friction-plates-on-fifth-wheels-and-skid-plates.pdf)</p>	<p>Revised advice about the installation of low friction plates to the fifth wheel or skid plate of heavy vehicles.</p>
<p>VSG17 - Implementation of revised tip truck hoisting system requirements (PDF, 166KB) (https://www.nhvr.gov.au/files/201803-0711-vsg17-tip-truck-hoisting-system-requirements.pdf)</p>	<p>Advice about the implementation of the revised tip truck hoisting system requirements detailed in Vehicle Standards Bulletin 6 (VSB6) (https://www.nhvr.gov.au/safety-accreditation-compliance/vehicle-standards-and-modifications/vehicle-standards-bulletin-6).</p>
<p>VSG16 - 50mm ball couplings (PDF, 489KB) (https://www.nhvr.gov.au/files/201709-0684-vsg16-50mm-ball-couplings.pdf)</p> <p>Please note the following supporting document:</p> <ul style="list-style-type: none"> • 50mm ball couplings - VSG16 FAQs (PDF, 176KB) (https://www.nhvr.gov.au/files/201710-0719-50mm-ball-couplings-vsg16-faqs.pdf) 	<p>Advice about the installation and use of 50mm ball couplings on heavy vehicles with a gross vehicle mass (GVM) of more than 5000kg.</p>
<p>VSG15 - Delayed implementation of Modification Codes H6 and H7 (PDF, 330KB) (https://www.nhvr.gov.au/files/201708-0680-vsg15-delayed-implementation-of-modification-codes-h6-and-h7.pdf)</p>	<p>Advice about the delayed implementation of Vehicle Standards Bulletin 6 (VSB6) Modification Codes H6 and H7 for 1 September 2017.</p>
<p>VSG14 - NHVIM Fact Sheet - Brake Testing (PDF, 322KB) (https://www.nhvr.gov.au/files/201706-0553-vsg14-fact-sheet-brake-testing.pdf)</p>	<p>Information about machine brake testing, namely roller brake testing, in the National Heavy Vehicle Inspection Manual</p>
<p>VSG13 - Rear-loading waste collection vehicles in New South Wales (PDF, 366KB) (https://www.nhvr.gov.au/files/201706-0552-vsg_13-rear-loading-waste-collection-vehicles-in-nsw.pdf)</p>	<p>Information about the vehicle standards exemption (notice) for rear-loading waste collection vehicles operating in New South Wales.</p>
<p>VSG12 - Truck-mounted attenuators (PDF, 361KB)</p>	<p>Fitting and use of truck-mounted attenuators</p>

<u>Title</u>	<u>Topic</u>
VSG11 - Fitting of additional reflectors and conspicuity markings (PDF, 343KB) (https://www.nhvr.gov.au/files/201806-0447-vsg11-additional-reflectors-and-conspicuity-markings.pdf)	Fitting of additional reflectors and conspicuity markings on heavy vehicles intended to improve their visibility.
VSG10 - Backlit Badges and Logos (PDF, 248KB) (https://www.nhvr.gov.au/files/201605-0341-vsg10-backlit-badges-and-logos.pdf)	Fitment and use of backlit badges, emblems or logos on heavy vehicles.
VSG9 - Re-rating of Gross Vehicle Mass (PDF, 200KB) (https://www.nhvr.gov.au/files/201806-0309-vsg9-re-rating-of-gross-vehicle-mass.pdf)	Heavy vehicle safety standards requirements for modifying a vehicle's gross vehicle mass (GVM).
VSG8 - Film on bus emergency exits (PDF, 476KB) (https://www.nhvr.gov.au/files/201603-0308-vsg8-film-on-bus-emergency-exits.pdf)	Heavy vehicle safety standards requirements when applying films (advertising, vandal proofing, tinting and other films) to bus emergency exits.
VSG7 - Modifications to new vehicles: Fitting bodies and tow couplings (PDF, 292KB) (https://www.nhvr.gov.au/files/201603-0307-vsg7-fitting-bodies-and-tow-couplings.pdf)	Heavy vehicle safety standards requirements when modifying a new heavy vehicle by fitting a body or tow coupling.
VSG6 - Update for Approved Vehicle Examiners in New South Wales (PDF, 231KB) (https://www.nhvr.gov.au/files/201603-0306-vsg6-modification-to-heavy-vehicles-nsw-ave-update.pdf)	Modifications previously classed as "owner certified" in NSW that now require approval by an Approved Vehicle Examiner (AVE).
VSG5 - Converting a vehicle into a motorhome (PDF, 491KB) (https://www.nhvr.gov.au/files/201806-0305-vsg5-converting-a-vehicle-into-a-motorhome.pdf)	Heavy vehicle safety standards requirements to consider when converting a vehicle into a motorhome that will have a gross vehicle mass (GVM) greater than 4.5t.
VSG4 - Inspection of drawbar eyes (PDF, 1.2MB) (https://www.nhvr.gov.au/files/201603-0304-vsg4-inspection-of-drawbar-eyes.pdf)	Inspection of drawbar eye couplings and identifying some common issues that may lead to coupling failure.
VSG3 - Semitrailer rear bumpers (PDF, 219KB) (https://www.nhvr.gov.au/files/201602-0298-vsg3-semitrailer-rear-bumpers.pdf)	Changes to the requirements for rear bumper bars on semitrailers.
VSG 2 - Changes to heavy vehicle safety standards (PDF, 224KB) (https://www.nhvr.gov.au/files/201806-0290-vsg2-changes-to-heavy-vehicle-safety-standards.pdf)	Provides advice to the heavy vehicle industry about changes that will be made to the heavy vehicle safety standards from 22 February 2021.
VSG 1 - Driving Lamps (PDF, 216KB) (https://www.nhvr.gov.au/files/201508-0231-vsg1-driving-lamps.pdf)	Heavy vehicle safety standards requirements when attaching LED light bars to a heavy vehicle for use as a driving lamp.

Source URL: <https://www.nhvr.gov.au/safety-accreditation-compliance/vehicle-standards-and-modifications/vehicle-standards-guides>