



Vehicle Standard (Australian Design Rule 44/01 – Specific Purpose Vehicle Requirements) 2006

I, JAMES ERIC LLOYD, Minister for Local Government, Territories and Roads,
determine this vehicle standard under subsection 7 (1) of the *Motor Vehicle Standards
Act 1989*.

Dated 31 July 2006

[SIGNED]

James Eric Lloyd

Minister for Local Government, Territories and Roads

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0. LEGISLATIVE PROVISIONS**0.1. NAME OF STANDARD**

0.1.1. This Standard is the Vehicle Standard (Australian Design Rule 44/01 – Specific Purpose Vehicle Requirements) 2006.

0.1.2. This Standard may also be cited as Australian Design Rule 44/01 — Specific Purpose Vehicle Requirements.

0.2. COMMENCEMENT

0.2.1. This Standard commences on the day after it is registered.

0.3. REPEAL

0.3.1. This Standard repeals each vehicle standard with the name Australian Design Rule 44/01 — Specific Purpose Vehicle Requirements that is:

(a) made under section 7 of the Motor Vehicle Standards Act 1989; and

(b) in force at the commencement of this Standard.

0.3.2. This Standard also repeals each instrument made under section 7 of the Motor Vehicle Standards Act 1989 that creates a vehicle standard with the name Australian Design Rule 44/01 — Specific Purpose Vehicle Requirements, if there are no other vehicle standards created by that instrument, or amendments to vehicle standards made by that instrument, that are still in force at the commencement of this Standard.

A. FUNCTION AND SCOPE

A.1. The function of this Australian Design Rule is to specify requirements for the construction of the following vehicles designed for a specific purpose: *'Taxis'*; *'Tow Trucks'*; *'Pole-type Trailers'*; LPG-fuelled Vehicles; Emergency Vehicles; and Motorhomes/*'Caravans'*.

A.2. The requirements of ADR 44 are related to specific requirements of the particular vehicles. A "specific purpose vehicle" will belong to one or more of the vehicle categories.

B. APPLICABILITY AND IMPLEMENTATION

B.1. This ADR applies to the design and construction of vehicles as set out in the table below.

B.2. Vehicles certified to the requirements of any of the 'Acceptable Prior Rules' as shown below in the Applicability Table for a particular category @ be deemed to comply with this rule.

B.3. Prior to the relevant date of effect, vehicles certified to ADR 44101 must also be certified to: ADR 621... 'Mechanical Connections between Vehicles'; in the case of TC and TD vehicles to ADR 631... 'Trailers Designed for use in Road Trains', if appropriate; and in the case of NC vehicles to ADR 641... "Heavy Goods Vehicles Designed for use in Road Traffic & B-Doubles", if appropriate.

C. APPLICABILITY TABLE

Vehicle Category	ADR Category Code *	UNECE Category Code *	Manufactured on or After	Acceptable Prior Rules
Moped 2 wheels	LA	L1	1 March 1992	/00
Moped 3 wheels	LB	L2	1 March 1992	/00
Motor cycle	LC	L3	1 March 1992	/00
Motor cycle and sidecar	LD	L4	1 March 1992	/00
Motor tricycle	LE	L5	1 March 1992	/00
Passenger car	MA	M1	1 Jan 1992	/00
Forward-control passenger vehicle	MB	M1	1 Jan 1992	/00
Off-road passenger vehicle	MC	M1	1 Jan 1992	/00
Light omnibus	MD	M2		
up to 3.5 tonnes 'GVM' and up to 12 seats	MD1		1 July 1991	/00
up to 3.5 tonnes 'GVM' and more than 12 seats	MD2		1 July 1991	/00
over 3.5 tonnes and up to 4.5 tonnes 'GVM'	MD3		1 July 1991	/00
over 4.5 tonnes and up to 5 tonnes 'GVM'	MD4		1 July 1991	/00
Heavy omnibus	ME	M3	1 July 1991	/00
Light goods vehicle	NA	N1	1 July 1991	/00
Medium goods vehicle	NB	N2		
over 3.5 tonnes up to 4.5 tonnes 'GVM'	NB1		1 July 1991	/00
over 4.5 tonnes up to 12 tonnes 'GVM'	NB2		1 July 1991	/00
Heavy goods vehicle	NC	N3	1 July 1991	/00
Very light trailer	TA	O1	1 July 1991	/00
Light trailer	TB	O2	1 July 1991	/00
Medium trailer	TC	O3	1 July 1991	/00
Heavy trailer	TD	O4	1 July 1991	/00

44.1. DEFINITIONS

44.1.1. Refer to Vehicle Standard (Australian Design Rule Definitions and Vehicle Categories) 2005.

44.2. REQUIREMENTS

44.2.0. This rule covers additional design and construction requirements for vehicles as specific purpose vehicles. Where they fall within a vehicle category, e.g. 'Tow Trucks' into NA, NB or NC and 'Taxis, into MA,

* The category code may also be in the format L₁, L_A etc.

MB or MC, they must also comply with all requirements of those vehicles as set out in individual Australian Design Rules.

44.2.1. 'TAXIS'

44.2.1.1. General

All '*Taxis*' shall comply with the special requirements of this Section.

44.2.1.2. Access to and from Vehicle

44.2.1.2.1. An access door shall be provided adjacent to each '*Outboard Seating Position*' for MA category vehicles.

44.2.1.2.2. A device shall be fitted to the inside of each access door to allow operation of the door latch.

44.2.1.3. Passenger '*Seats*'

44.2.1.3.1. The exposed surfaces of '*Seats*' shall be covered with non-absorbent materials.

44.2.1.3.2. Removable seat covers if fitted shall be made of non-absorbent or washable material.

44.2.1.4. Appointments

44.2.1.4.1. The exposed surfaces of interior roof linings and other interior trimmina shall be of non-absorbent material.

44.2.1.4.2. The exposed surfaces of interior and luggage compartment floor coverings shall be of non-absorbent material.

44.2.1.5. Interior Lighting

44.2.1.5.1. An interior lamp(s) shall be provided which, when illuminated, shows white light for the convenience of passengers. A control for such lamp(s) shall be provided for operation by the driver from the normal driving position.

44.2.1.5.2. In addition to the requirements of clause 44.2.1.5.1 the interior lamp (s) of '*Taxis*' shall be so designed that if not already lighted it becomes lighted when any access door is opened.

44.2.1.6. Luggage Space

44.2.1.6.1. Adequate luggage space shall be provided:

44.2.1.6.1.1. in the case of sedan type vehicle, external to the passenger compartments; and

44.2.1.6.1.2. in the case of a station wagon type vehicle, to the rear of the rearmost '*Seat*' occupied by a passenger.

44.2.1.7. Roof Sign

A roof sign shall be fitted to each '*Taxi*' other than a "hire car" and shall:

44.2.1.7.1. have at least one enclosed lamp showing white light towards the front of the vehicle and capable of illuminating the sign;

44.2.1.7.2. display towards the front of the vehicle the word '*TAXI*' or words to indicate that the vehicle is a '*Taxi*'; and

- 44.2.1.7.3. be so constructed that
 - 44.2.1.7.3.1. when the taximeter of a 'Taxi' which is available for hire is set in the disengaged position the lamp shall be illuminated;
 - 44.2.1.7.3.2. when the lamp is illuminated it shall be clearly visible in daylight; and
 - 44.2.1.7.4. have a visual indicating device visible to the driver when seated in the normal driving position to indicate whether or not the roof sign is illuminated.
 - 44.2.1.7.5. Additional '*Rear Position (Side) Lamps*' to ADR 49/.., '*Stop Lamps*' to ADR 49/.. and '*Directional Indicator Lamps*' to ADR 6/.. may be incorporated with the roof sign or mounted on either side of the roof sign provided that these lamps are positioned symmetrically about the median longitudinal plane of the vehicle and are at least 400 mm apart.
- 44.2.1.8. "Not for Hire" Sign

In the case of vehicles required to be fitted with taximeters, a sign to indicate when vehicle is not available for hire shall be fitted and

 - 44.2.1.8.1. display towards the front of the vehicle the words "NOT FOR HIRE";
 - 44.2.1.8.2. not be fitted to the windscreen or the instrument panel, but may be incorporated in the roof sign; and
 - 44.2.1.8.3. if capable of illumination be so constructed that when the sign is in use the roof sign indicating that the vehicle is a 'Taxi' shall be extinguished.
- 44.2.1.9. Taximeter and Radio: Fitment and Controls
 - 44.2.1.9.1. No part of a 2-way radio installation shall extend below the lower boundary of the instrument panel directly in front of an occupant seating position.
 - 44.2.1.9.2. In the case of 'Taxis' required to be fitted with taximeters:
 - 44.2.1.9.2.1. the taximeter shall be installed and illuminated so that the hiring charges display can be readily seen by all occupants;
 - 44.2.1.9.2.2. the centreline of the meter hiring charges display shall be within 200 mm of the longitudinal vertical plane through the centreline of the 'Taxi'; and
 - 44.2.1.9.2.3. no part of the installation shall extend below the lower boundary of the instrument panel as originally installed or as supplied by the vehicle manufacturer for taxi use.
 - 44.2.1.9.3. Taximeter and radio installations shall not encroach upon occupant space, and shall not degrade the energy absorption requirement of instrument panels designed to meet the requirements of ADR 211... "Instrument Panels".
 - 44.2.1.9.4. Controls for taximeter and 2-way radio shall be accessible to the driver when seated in the normal driving position.
 - 44.2.1.9.5. Controls shall not be located in such a manner as to cause annoyance to passengers.
- 44.2.1.10. Fitment of 'Emergency Locking Retractors'

'Seatbelt Assemblies' fitted to the rear *'Outboard Seating Positions'* of *'Taxis'* shall incorporate *'Emergency Locking Retractors'*.

44.2.2. *'TOW TRUCKS'*

44.2.2.1. Classification

Every *'Tow Truck'* shall have a *'Load Capacity'* appropriate to the gross mass of any vehicle it is required to tow in accordance with one of the following classes:

44.2.2.1.1. Class 1

A *'Tow Truck'* of this class shall have a *'Load Capacity'* of not less than 1.2 tonnes and shall be equipped with a *'Crane'* with a safe working load of not less than one tonne. A Class 1 *'Tow Truck'* shall be limited to the lifting and carrying, or towing of vehicles with a (gross mass not exceeding 2 tonnes.

44.2.2.1.2. Class 2

A *'Tow Truck'* of this class shall have a *'Load Capacity'* of not less than 3 tonnes and shall be equipped with a *'Crane'* with a safe working load of not less than 2.5 tonnes. A Class 2 *'Tow Truck'* shall be limited to the lifting and carrying or towing of vehicles with a gross mass up to 5 tonnes.

44.2.2.1.3. Class 3

A *'Tow Truck'* of this class shall have a minimum *'Gross Combination Mass'* rating. of 18 tonnes and shall be equipped with a *'Crane'* with a safe working load of not less than 5 tonnes. A Class 3 *'Tow Truck'* shall be limited to the lifting and carrying. or towing of motor vehicles with a gross mass not exceeding 12 tonnes.

44.2.2.1.4. Class 4

A *'Tow Truck'* of this class shall have a minimum *'Gross Combination Mass'* rating. of 25 tonnes and shall be equipped with at least the following:

44.2.2.1.4.1. tandem rear *'Axle Group'*;

44.2.2.1.4.2. a *'Crane'* of safe working load not less than 5 tonnes;

44.2.2.1.4.3. a power operated winch; and

44.2.2.1.4.4. air brake facilities for connecting to

44.2.2.1.4.5. towed vehicles.

44.2.2.2. *'Crane'*

44.2.2.2.1. The design, construction and marking, of the *'Crane'*, its attachments and supporting structure shall be in accordance with the requirements of Australian Standard 1418 "Rules for Cranes", Part 1 (1977- "General Requirements") and Part 5 (1980- "Mobile Cranes") and be approved by the relevant authority supervising lifting appliances.

44.2.2.2.2. The *'Crane'* shall be located and mounted on the vehicle in the manner directed by the said authority.

- 44.2.2.2.3. Every '*Tow Truck*' shall be provided with means for supporting the load in its raised position whilst under tow.
- 44.2.2.3. General Requirements
 - 44.2.2.3.1. Every '*Tow Truck*' shall be fitted with dual tyres on the wheels of the rear '*Axle Group*'.
 - 44.2.2.3.2. Every '*Tow Truck*' shall be equipped with suitable spacer bars and safety chains to enable the driver thereof to exercise efficient control over the towed vehicle whilst being towed.
 - 44.2.2.3.2.1. Spacer bars shall be of such design as to minimise any damage to the towed vehicle which could be caused by the '*Tow Truck*' or its equipment.
 - 44.2.2.3.3. Every '*Tow Truck*' shall have its class as determined by application of clause 44.2.2.1 clearly marked on some conspicuous part of its right-hand side. The letters shall be at least 50 mm high and 25 mm wide.
- 44.2.2.4. Additional Lamps and Warning Signs
 - 44.2.2.4.1. Every '*Tow Truck*' shall be equipped with:
 - 44.2.2.4.1.1. a flashing amber light which shall comply with the provisions of section 44.2.7; and
 - 44.2.2.4.1.2. an adjustable white lamp so mounted that during the hours of darkness it will illuminate the area in which the coupling of '*Tow Truck*' to any vehicle to be lifted, carried or towed is to be effected.
 - 44.2.2.4.2. Every '*Tow Truck*' shall have equipment which can be placed on the towed vehicle and connected electrically to the '*Tow Truck*' so as to enable the requirements of ADR 13/... to be complied with
 - 44.2.2.4.3. Every '*Tow Truck*' shall be equipped with not less than 3 portable warning devices complying with the Standard Specification for warning signs set out in AS E38-1962 1 portable Warning Signs for Motor Vehicles', including Amendment 1.
- 44.2.2.5. Fire Extinguisher

Every '*Tow Truck*' shall be equipped with a fire extinguisher of not less than 4.5 litres capacity, selected in accordance with AS 2444 - 1985 "Portable Fire Extinguishers - Selection and Location".
- 44.2.3. Not Used
- 44.2.4. Not Used
- 44.2.5. '*POLE-TYPE TRAILERS*' AND THEIR DRAWING VEHICLES - SPECIAL LIGHTING REQUIREMENTS
 - 44.2.5.1. On every '*Pole-type Trailer*' there shall be the following:
 - 44.2.5.1.1. on each side of the rearmost bolster, one '*Side Marker Lamp*'; and
 - 44.2.5.1.2. one front reflex reflector, non-triangular on each side of the front facing section of the foremost bolster.
 - 44.2.5.2. Drawing Vehicles for '*Pole-type Trailers*'

- 44.2.5.2.1. On every motor vehicle fitted with one or more bolster, i.e. a motor vehicle designed to draw a '*Pole-type Trailer*', there shall be the following:
- 44.2.5.2.1.1. on each side of the rearmost bolster, one '*Side Marker Lamp*'; and
- 44.2.5.2.1.2. one front reflex reflector, non-triangular on each side of the front facing, section of the foremost bolster.
- 44.2.6. LIQUEFIED PETROLEUM GAS (LPG) FUELLED VEHICLES
- 44.2.6.0. All motor vehicles manufactured to use LPG as a fuel shall meet the following requirements.
- 44.2.6.1. The LPG fuel system shall at least meet the Australian Standard 1425-1989 "SAA Automotive LP Gas Code"
- 44.2.6.2. The LPG storage cylinder(s) comply with AS 3509-1988 "LP Gas Fuel Vessels for Automotive Use"
- 44.2.6.3. The vehicle shall be clearly and permanently marked in a conspicuous position within the engine bay with the following:
- 44.2.6.3.1. a statement that the LPG fuel system has been installed in accordance with the document referred to in Clause 44.2.6.1.
- 44.2.6.3.2. the identification of the licensed or approved person or organisation which installed the LPG fuel system; and
- 44.2.6.3.3. the date of installation.
- 44.2.6.4. The vehicle, to indicate that it is equipped to use LPG as a fuel shall carry affixed to the front and rear registration plates, an external label of durable material conforming with at least the following specifications:
- 44.2.6.4.1. size, not less than 25 mm square; and
- 44.2.6.4.2. colour, reflective red conforming to Australian Standard 1742-1975 'Manual of Uniform Traffic Control Devices' Appendix C, Class 2.
- 44.2.7. EMERGENCY COMMUNITY SERVICE VEHICLE LAMPS
- 44.2.7.1. Any motor vehicle used as an ambulance may be equipped with a lamp or lamps which when lighted show the word "AMBULANCE" or illuminate a sign recognised as that of an ambulance service.
- 44.2.7.2. Flashing warning lamps
- Vehicles operated by ambulance, fire fighting and police authorities or organisations providing emergency community services which may require priority travel when engaged on emergency work may be equipped with a flashing lamp or lamps. Such lamps shall meet the following provisions:
- 44.2.7.2.1.1. At least one lamp shall be mounted on top of the vehicle and when lighted, shall be visible in normal daylight up to a distance of not less than 200 metres to vehicles approaching from any direction.
- 44.2.7.2.1.2. The colour shall be:
- 44.2.7.2.1.2.1. blue in the case of police vehicles;

- 44.2.7.2.1.2.2. red in the case of ambulance, or fire fighting vehicles; or
- 44.2.7.2.1.2.3. amber in the case of other emergency community service vehicles.
- 44.2.7.2.1.3. In the case of vehicles permitted to display flashing warning lamps, additional lamps may be mounted in any position on the vehicle provided that no part of the lens of the lamps is visible either directly or indirectly to the driver when seated in the normal driving position.
- 44.2.7.2.1.4. All flashing, warning lamps fitted to a motor vehicle and under the provisions of this Clause shall be of the same colour.
- 44.2.8. MOTORHOME AND 'CARAVANS'
- 44.2.8.1. Doors
- Every motor vehicle (motorhome) or trailer ('Caravan') equipped with fuel burning (cooking) facilities or living, or sleeping, accommodation shall have only outward-opening or sliding doors. At least Gas Equipment and Appliances', issued by the one such door shall be located on the left-hand side Australian Liquefied Petroleum Gas Association. or at the rear
- 44.2.8.2. Liquefied Petroleum Gas Equipment
- Unless otherwise 'Approved', liquefied petroleum gas installations in motorhomes and 'Caravans' shall comply with the requirements of "Code Governing the Installation in Caravans of Liquefied Petroleum Gas Equipment and Appliances", issued by the Australian Liquefied Petroleum Gas Association.
- 44.2.8.3. Fire Extinguisher
- Motorhomes and 'Caravans' shall be provided with a fire extinguisher(s) selected and located in accordance with the Australian Standard referred to in clause 44.2.2.5.