

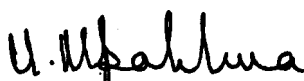
No. R. 856

2 September 2005

STANDARDS ACT, 1993

WITHDRAWAL AND REPLACEMENT OF THE COMPULSORY
SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY M1

I, Mandisi Mpahlwa, ~~Minister~~ of Trade and Industry, hereby under ~~section 22 (1) (a)~~ (ii) of the ~~Standards Act, 1993 (Act 29 of 1993)~~, and on the ~~recommendation~~ of the Council of the South African Bureau of Standards, withdraw the compulsory specification for motor vehicles of *category M1*, and *replace it* with the *compulsory* specification as set out in the schedule, with effect from the date 2 months after the date of publication of this notice.



M MPAPHLWA

Minister of Trade and Industry

SCHEDULE

COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY M₁

1.1 This specification covers the requirements for motor vehicle models of category M₁, not previously registered or licensed in South Africa, and motor vehicle models assembled from new bodies and used parts from earlier designs of motor vehicle models, designed or adapted for operation on a public road.

1.2 The requirements of this specification shall, in so far as the parts already incorporated are concerned, apply in respect of an incomplete motor vehicle model supplied for further manufacture by one manufacturer to another, and the entire specification shall apply to the vehicle after completion thereof by the last-mentioned manufacturer. In addition, the requirements shall apply to designs of bodies sold for the purposes of incorporating new or used parts of motor vehicle models previously homologated (or previously produced) by other manufacturers.

1.3 This specification does not apply to

- a) experimental or prototype vehicles constructed or imported for the purpose of testing, assessment or development, or
- b) a motor vehicle model that was manufactured before 1965, that was not previously registered or licensed in South Africa, and that is so certified by a motor club approved by the relevant Minister.

1.4 The relevant requirements of this specification that take effect on any specified date, shall not apply to vehicles manufactured or imported before that date.

1.5 Except for the requirements of 3.7, which shall not be omitted or replaced, certain special category M₁ motor vehicles designed or adapted for use as

- a) mobile living accommodation (motor caravans),
- b) ambulances and patient-transfer vehicles,
- c) prisoner-conveyance vehicles,
- d) hearses,
- e) security and anti-riot vehicles, and
- f) recreation vehicles derived from vehicles other than category M₁ vehicles,

may, alternatively, comply with the specific requirements of the relevant compulsory specification for another category of motor vehicle.

1.6 Vehicles that are sold with a category M₂ seating configuration and with a category M₁ seating configuration as an alternative, need not comply with the steering frontal impact requirements of 3.5.2.

1.7 Homologation shall comprise the confirmation by the Regulatory Authority, that the manufacturer has provided the Regulatory Authority with the following specific evidence in respect of the commodity covered by this specification:

- a) a summary of evidence showing that all relevant tests have been conducted **with** successful results under appropriate controls **in** respect of the model or type of **commodity**;
 - b) sufficient data to enable a relevant model or type and its components to be **identified** and related to (a) above;
 - c) relevant samples for the conducting of whatever tests and inspections are considered appropriate by the Regulatory Authority, to verify any, or all, of the evidence **provided**;
 - d) details of the quality management system applied by the manufacturer; _____ -
 - e) when relevant, documentation to advise subsequent manufacturers of incomplete commodities of their responsibilities; and
- 9** agreement by the manufacturing source to permit **conformity** of production audits to be carried out by the Regulatory Authority or by the Regulatory Authorities appointed agent **at** the relevant manufacturing, assembling and test facilities.

The Regulatory Authority may issue such confirmation, on application, in respect of new models or **types**, provided that such confirmation may not be used for the purpose of advertising or to imply that all units of the commodity necessarily or consequently comply with all the requirements of this specification.

1.8 Where a South African national standard, including an international standard or an **ECE** regulation adopted by South Africa as a national standard, is incorporated by reference into this specification, only the technical **requirements specification** for the commodity and the tests to verify the compliance, apply.

2 Definitions

For the purposes **of** this specification, the following definitions apply:

2.1

airbag assembly

device that is installed to supplement safety belts and restraint systems in power driven vehicles which, in the event of a severe impact affecting the vehicle, automatically deploys a flexible structure intended to **limit**, by compression of the gas contained **within it**, the gravity of the contact of one or more parts of the **body of** an occupant of the vehicle **with the interior** of the passenger compartment

2.2

builder

person who **builds** a category **M₁** motor vehicle, and "build" has a corresponding meaning

2.3

category M₁ motor vehicle, hereinafter referred to as a vehicle

motor vehicle that **is used** for the carriage of passengers, that has at least four wheels, and that has seating accommodation for not more than eight passengers in addition to the **driver of the** vehicle

2.4

category M₂ motor vehicle, hereinafter referred to as a vehicle

motor vehicle that is used for the carriage of passengers, that has at least four **wheels**, and that has seating accommodation for more than eight passengers in addition to the driver of the vehicle, and that has a maximum mass not exceeding 5 t

2.5

child restraint

arrangement of components which may comprise a combination of **straps or flexible components with a securing** buckle, adjusting devices, attachments, and, in some cases, a supplementary chair or an impact shield or both, capable of being anchored to a power-driven vehicle. It is so designed as to diminish the risk of **injury to** the wearer, in the event of a collision or of an abrupt deceleration of the vehicle, by **limiting the mobility** of the wearer's **body**

26

importer

person who imports a category M₁ motor vehicle, and "import" has a corresponding meaning

27

inspectorate authority

an organization appointed by the Minister of the Department of Transport as an inspectorate of manufacturers, importers and builders

28

manufacturer

person who manufactures, produces, assembles, alters, modifies or converts a category M₁ motor vehicle, and "manufacture" has a corresponding meaning

29

model

manufacturer's description for a series of vehicle designs that do not differ in respect of body shell, cab structure, profile, or the number of axles, by which they are introduced to South Africa, by a specific source

The Regulatory Authority reserves the right to decide which variations or combinations of variations constitute a new model, and might also take cognisance of the classification system applied in the country of origin of the design

The following variations do not necessarily constitute a new model:

- a) a variant of the model in relation to trim or optional features for which compliance has been fully demonstrated;
- b) different engine and transmission combinations, including petrol and diesel engines, and manual and automatic transmissions;
- c) minor variations in profile, such as front air dams or rear spoilers;
- d) air management systems;
- e) a different number of doors;
- f) sleeper cabs on trucks;
- g) wheelbase variations;
- h) a cargo body or equipment fitted to a truck and that has no effect on compliance; and
- i) the number of driven axles.

If a vehicle is manufactured in a number of configurations, such as a sedan, a hatchback, or a station wagon, and a single or double cab, each of these may be regarded as a variant to the base model.

2.10

passenger airbag

airbag assembly intended to protect the occupants of seats other than the driver's in the event of a collision

2.11**proof of compliance**

document that contains a summary of evidence acceptable to the inspectorate authority, that a motor vehicle model complies in all aspects with this specification

2.12**public road**

road, street or thoroughfare, including the verges, or any other place, whether a thoroughfare or not, to which the public or sections of the public have the right of access and that they commonly use

2.13**rearward** facing

facing in the direction opposite to the normal direction of travel of the vehicle

2.14

regulatory authority

an organization appointed by the Minister of the Department of Trade and Industry to implement this compulsory specification on behalf of the South African Government

3 General requirements**3.1 Requirements for lights and lighting equipment****3.1.1 Lights**

Main and dipped-beam headlights, direction-indicator lights, stoplights, and front and rear position lights fitted to a vehicle shall comply with the relevant requirements given in SABS 1376-1:1983, *Lights for motor vehicles – Part 1: incandescent lamps*, as published by Government Notice no. 563 of 29 July 1983, SABS 1376-2:1985, *Lights for motor vehicles – Part 2: Headlights*, as published by Government Notice no. 1263 of 14 June 1985, and SABS 1376-3:1985, *Lights for motor vehicles – Part 3: Secondary lights*, as published by Government Notice no. 2328 of 18 October 1985:

Provided that all other lights required or allowed to be fitted in terms of 3.1.2 are hereby excluded for the purposes of this subsection of this specification.

3.1.2 Lighting

Lighting shall be fitted to a vehicle and shall comply with the relevant requirements given in SABS 1046:1990, *Motor vehicle safety specification for lights and light-signalling devices installed on motor vehicles and trailers*, as published by Government Notice no. 1735 of 27 July 1990:

Provided that

- a) the requirements for the installation of retro-reflectors as given in 4.14, 4.16 and 4.17 of the said SABS 1046 may be met by the use and fitting of retro-reflectors that are defined in the relevant regulations of the National Road Traffic Act, 1996 (Act 93 of 1996), and, in addition, the requirements may also be met by the use and fitting of retro-reflectors that are integral portions of any other light lens assembly, and
- b) the specific requirements of the said SABS 1046 for

- 1) dipped beam adjustment devices as set out in 4.2.6 and appendix 1, and

- 2) rear fog lights as set out in 4.11,

shall be treated as OPTIONAL for the purposes of this compulsory specification:

Provided that, if any motor vehicle is fitted with such devices or lamps, they shall comply with the applicable requirements.

3.2 Requirements for rear-view mirrors and vision**3.2.1 Rear-view mirrors**

Rear-view mirrors shall be fitted to a vehicle and shall comply with the relevant requirements given in SABS 1436:1989, *Motor vehicle safety specification for the rear-view mirrors of motor vehicles of categories M and N*, as published by Government Notice no. 2008 of 22 September 1989.

3.2.2 Windcreens, windows and partitions**3.2.2.1 Windcreens**

3.2.2.1.1 A windscreen shall be fitted to a vehicle and shall be of safety glass that complies with the relevant requirements given in **SABS 1191:1978, High penetration-resistant laminated safety glass for vehicles**, as published by Government Notice no. 463 of 9 July 1982.

3.2.2.1.2 For the purposes of this specification, the marking requirements shall be as follows:

- a) the windscreen shall bear the glass manufacturer's registered trademark; and
- b) the glass fitted shall comply with an approved national standard, recognized by the Regulatory Authority, that will provide a method of identifying the glass type.

3.2.2.2 Windows and partitions

3.2.2.2.1 Glass partitions and glass windows fitted to a vehicle shall be of safety glass that complies with the relevant requirements given in the said **SABS 1191** or in **SABS 1193:1978, Toughened safety glass for vehicles**, as published by Government Notice no. 463 of 9 July 1982.

3.2.2.2.2 For the purposes of this specification, the marking requirements shall be as follows:

- a) the glass shall bear the glass manufacturer's registered trademark; and
- b) the glass fitted shall comply with an approved national standard, recognized by the Regulatory Authority, that will provide a method of identifying the glass type.

3.2.3 Windscreen wipers

A vehicle shall be fitted with at least one windscreen wiper that is capable of operation by means other than manual, and the windscreen wiper blade, when in operation, shall wipe the outside of the windscreen directly in front of the driver, evenly and efficiently.

3.3 Requirements for brakes and braking equipment

3.3.1 Braking equipment shall be fitted to a vehicle and shall comply with the requirements given in **SABS 1207:1985, Motor vehicle safety standard specification for braking**, as published by Government Notice no. 6 of 3 January 1986, or

3.3.2 Braking equipment shall be fitted to a vehicle and shall comply with the requirements in **SABS ECE R13 Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking** to the level of **ECE R13.08**.

Important: For "Operative Dates" for requirements in 3.3.1 and 3.3.2, see Schedule 1 attached.

3.3.3 For vehicles fitted with anti-lock braking systems, the braking equipment shall, in terms of braking performance, at least comply with the braking performance requirements for **M1** vehicles with non anti-lock braking systems fitted.

3.3.4 For the purposes of this specification, the following requirements of **SABS ECE R13** are excluded:

- a) ~~anti-lock specific brake test procedure and its requirements (paragraph 5 of annex 13 of SABS ECE R13)~~; and
- b) the banning of asbestos in brake linings

3.3.5 For the purposes of this specification, annex 4, paragraph 2.3.6 of **SABS ECE R13** is amended to read as follows:

To check compliance with the requirements specified in paragraph **5.2.1.2.4** of **SABS ECE R13**, a Type-0 test shall be carried out with the engine disconnected at an initial test speed of 30 km/h. The mean fully developed deceleration on application of the control of the parking brake system and the deceleration immediately before the vehicle stops shall be not less than **1,5 m/s²**. The test shall be carried out with a laden vehicle. The force exerted on the braking control device shall not exceed the specified values.

3.4 Requirements for interior fittings, controls, steering mechanism and audible warning devices

3.4.1 Interior fittings

No fittings shall be installed inside the passenger compartment of a vehicle unless they comply with the relevant requirements given in SABS 1047:1984, *Motor vehicle safety standard specification for interior fittings (passenger cars)*, as published by Government Notice no. 149 of 1 February 1985.

3.4.2 Controls

3.4.2.1 General

All controls that are fitted to a vehicle, and that are required for the operation of the vehicle, shall be so located that the driver can reach and operate them when he is seated in the normal driving position, with the seat belt fastened.

3.4.2.2 Right-hand drive

A vehicle shall be of a right-hand drive configuration, except as allowed in terms of 3.4.2.3.

3.4.2.3 Central steering

A vehicle may have a central steering configuration.

3.4.3 Audible warning devices

A vehicle shall be fitted with one or more audible warning devices such that, when they are operated, a continuous sound is emitted at a level of at least 93 dB, determined in accordance with SABS 0169:1984, *Determining the performance of audible warning devices (hooters) after installation in a motor vehicle*, as published by Government Notice no. 966 of 11 May 1984.

3.5 Requirements for the steering mechanism system

3.5.1 Energy absorption capacity of the steering control

The energy absorption capacity of the steering control shall comply with the relevant requirements given in SABS 1440:1987, *Motor vehicle safety specification for the steering mechanism of motor vehicles (Category M₁ only): Behaviour on impact*, as published by Government Notice no. 2227 of 9 October 1987.

3.5.2 Frontal impact characteristics

The frontal impact characteristics of the vehicle and its steering mechanism shall comply with the relevant requirements given in the said SABS 1440.

3.6 Requirements for door latches, hinges, entrances and exits

3.6.1 Door latches and hinges

Side doors fitted as a means of entrance or exit in a vehicle shall have door latches and hinges that comply with the relevant requirements given in SABS 1443:1987 *Motor vehicle safety specification for door latches and hinges*, as published by Government Notice no. 2227 of 9 October 1987:

Provided that section 3 in annex 1 of the said SABS 1443 is excluded for the purposes of this compulsory specification.

3.6.2 Entrances and exits

The means of entrance to and exit from a vehicle that is designed and constructed with a fixed hood and that has a tare exceeding 570 kg, shall be as follows:

- a) at least one ready means of entrance and exit on the left and right sides of the vehicle, each such means being equipped with a permanent device that is capable of being operated from both the inside and the outside of the vehicle for the purpose of opening and closing; or
- b) a means as specified in (a) above, provided on one side of the vehicle and, on the other side or at the back, an accessible means of escape, of size at least 450 mm x 450 mm, that is readily removable from both the inside and the outside of the vehicle or is equipped with a permanent device for opening and closing as specified in (a) above:

Provided that, in the case of a vehicle designed and constructed as an ambulance or for the conveyance of prisoners, such means need be provided in the driver's compartment only.

37 Requirements for seats, seat anchorages, restraining device anchorages, restraining devices (safety belts) and supplementary restraining devices (airbags)

3.7.1 Seats and seat anchorages

A vehicle shall be fitted with seats and seat anchorages that comply with the relevant requirements given in SABS 1429:1987, Motor vehicle safety specification for strength of seats and of their anchorages, as published by Government Notice no. 1878 of 4 September 1987.

3.7.2 Restraining device anchorages

Excluding seating positions that have seats of the folding tip-up (jockey), rearward-facing or sideways-facing type, and seating positions in the rear rows of seats on simple single box type construction vehicles that contain at least three rows of seats,

- a) all seating positions on a vehicle that requires to have restraining devices fitted, shall have restraining device anchorages that comply with the relevant requirements given in SABS 1430:1987, Motor vehicle safety specification for anchorages for restraining devices in motor vehicles, as published by Government Notice no. 1878 of 4 September 1987, and
- b) all other seating positions on a vehicle shall have at least two lower restraining device anchorages installed, which shall comply with the relevant requirements given in (a) above:

Provided that for rear outboard seating positions (except where no upper anchorages can be installed, for example, in a convertible type vehicle or in a vehicle with a removable roof), two lower restraining device anchorages and one upper restraining device anchorage shall be fitted.

3.7.3 Restraining devices (safety belts)

3.7.3.1 The restraining devices (safety belts) that are fitted to a vehicle shall comply with the relevant requirements given in SABS 1080:1983, Restraining devices (safety belts) for occupants of adult build in motor vehicles (Revised requirements), as published by Government Notice no. 264 of 17 February 1984.

3.7.3.2 The type and location of the restraining devices (safety belts) required to be fitted to a vehicle and the method of installation thereof shall comply with the relevant requirements given in SABS 0168:1983, The installation of restraining devices (safety belts) in motor vehicles, as published by Government Notice no. 265 of 17 February 1984, except that the same exclusions for seating positions shall apply as in 3.7.2.

3.7.4 Child restraints

In the case of any vehicle manufactured with child restraints installed, such child restraints shall comply with the compulsory specification for Child-restraining devices for use in motor vehicles as published by Government Notice no. 642 of 2 May 1997.

3.7.5 Supplementary restraining devices (airbags)

3.7.5.1 If a motor vehicle is fitted with an airbag assembly, it shall carry information to the effect that it is equipped with such an assembly.

3.7.5.2 In the case of a motor vehicle fitted with an airbag assembly intended to protect the driver, the information shall consist of the inscription "AIRBAG" located in the interior of the circumference of the steering wheel; this inscription shall be durably affixed and easily visible.

3.7.5.3 In the case of a motor vehicle fitted with a passenger airbag intended to protect the front seat occupants other than the driver, this information shall consist of a warning label. An example of a possible design of a pictogram is shown in figure 1.

3.7.5.4 A motor vehicle fitted with one or more passenger airbags shall carry information about the extreme hazard associated with the use of rearward-facing child restraints on seats equipped with airbag assemblies.

3.7.5.5 Every passenger seating position which is fitted with an airbag shall be provided with a warning label against the use of a rearward-facing child restraint in that seating position. The warning label, in the form of a pictogram which may include explanatory text, shall be durably affixed and located such that it is easily visible in front of a person about to install a rearward-facing child restraint on the seat in question. An example of a possible design of a pictogram is shown in figure 1. A permanent reference should be visible at all times, in case the warning is not visible when the door is closed. This requirement does not apply to those seats equipped with a device which automatically deactivates the airbag assembly when a rearward-facing child restraint is installed.



Colours

The pictogram should be red.

The seat, child restraint and contour line of the airbag should be black.

The word "AIRBAG" and the airbag should be white.

figure 1 — Airbag warning label

3.8 Requirements for anti-theft devices

Anti-theft devices shall be fitted and shall comply with the relevant requirements of SABS 1248:1986, Devices to prevent the unauthorized use of motor vehicles (anti-theft devices), as published by Government Notice no. 936 of 16 May 1986.

3.9 Requirements for head restraints

Head restraints, if forming an integral part of the seat back or if installed on any forward-facing seat of a vehicle, shall comply with the relevant requirements given in SABS 1269:1986, Motor vehicle safety specification for head restraints (passenger cars), as published by Government Notice no. 936 of 16 May 1986.

3.10 Requirements for warning triangles

In the case of any vehicle supplied with warning triangles as part of the vehicle equipment, ~~such~~ warning triangles shall comply with the requirements given in SABS 1329-1:1987, *Retro-reflective and fluorescent warning signs for road vehicles – Part 1: Triangles*, as published by Government Notice no. 2227 of 9 October 1987.

4 Requirements for the control of environmental interference

4.1 Suppression of radio and television interference

A vehicle, its components and its accessories shall comply with the current applicable regulations relating to interference with communications, promulgated under the Telecommunications Act, 1996 (Act 103 of 1996).

4.2 Suppression of atmospheric pollution

4.2.1 The exhaust emission from the engine of a vehicle shall be such as to comply with the current applicable regulations promulgated under the Atmospheric Pollution Prevention Act, 1965 (Act 45 of 1965).

422 The gaseous and particulate emissions from the vehicle shall comply with the requirements of SABS ~~ECE R83 Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements~~ to the level of ~~ECE R83.02~~, except for the type V test (durability of pollution control devices), or

423 The gaseous and particulate emissions from the vehicle shall comply with the requirements of SANS 20083 *Uniform provisions concerning the approval of vehicle with regard to the emissions of pollutants according to engine fuel requirements* to the level of ~~ECE R83.04~~.

Important: For "Operative Dates" for requirements in 422 and 423, see Schedule 1 attached

4.3 Suppression of noise emission

4.3.1 Vehicles in motion

With the exception of noise emission originating from audible warning devices, any noise emitted by a vehicle, determined in accordance with SASS 0205:1986, *The measurement of noise emitted by motor vehicles in motion*, as published by Government Notice no. 936 of 16 May 1986, shall not exceed 82 dB(A). To allow for any lack of precision in the measuring equipment, the highest sound level reading obtained shall be reduced by 1 dB(A).

4.3.2 Vehicles when stationary

With the exception of noise emission originating from audible warning devices, any noise emitted by a vehicle, determined in accordance with ~~SABS 0181:1981, The measurement of noise emitted by road vehicles when stationary~~, as published by Government Notice no. 463 of 9 July 1982, and SABS 0281:1994, *Engine speed (S valves), reference sound levels and permissible sound levels of stationary road vehicles*, as published by Government Notice no. 1313 of 25 August 1995, shall be recorded for homologation purposes.

5 Requirements concerning metrological data

5.1 Vehicle dimensions

The dimensions of a vehicle shall comply with the applicable requirements of the relevant regulations of the National Road Traffic Act 1996 (Act 93 of 1996).

5.2 Information plates

5.2.1 Data plates

5.2.1.1 A vehicle shall have a metal data plate or plates affixed by rivets, or by welding, or by any other method that will achieve permanency of attachment during the life of the vehicle, in a conspicuous and readily accessible position on a part not subject to replacement.

5212 As an alternative to the above, a data plate may be a self-adhesive tamperproof metal or plastics label that is not transferable from one vehicle to another, is clearly legible, and undergoes permanent and obvious

damage on removal. The self-adhesive tamperproof label shall be resistant to engine oils, to engine coolants, to normal engine temperatures and to humidity. In addition, it shall have permanency characteristics similar to those of the plate(s) described in 521.1.

5213 The data plate(s) shall be legibly and indelibly printed or stamped with the following details of the model type or of the vehicle, as applicable:

- a) the gross vehicle mass, in kilograms, for the model type, denoted and prefixed by the letters GVM/BVM;
- b) the gross combination mass, in kilograms, for the model type, denoted and prefixed by the letters GCM/BKM; and
- c) the gross axle mass-load of each axle, or the gross axle unit mass-load of each axle unit, in kilograms, for the model type, denoted and prefixed by the letters GNBA or GAWBAE, as applicable.

522 Optional data plate

The abbreviations given in 5.2.1.3(a), 5.2.1.3(b) and 5.2.1.3(c) are not required if the information is supplied in the following order:

- a) gross vehicle mass;
- b) gross combination mass; and
- c) gross axle masses in the order front to rear.

5.2.3 Information on vehicle engine

The requirements for the vehicle engine number shall comply with the relevant regulations of the National Road Traffic Act, 1996 (Act 93 of 1996).

524 Vehicle identification number (VIN)

The vehicle identification number shall comply with the relevant requirements given in SABS ISO 3779:1983, *Road vehicles – Vehicle identification number (VIN) – Content and structure*, and SABS ISO 4030:1983, *Road vehicles – Vehicle identification number (VIN) – Location and attachment*, as published by Government Notice no. 3160 of 20 November 1992. However, the requirements for marking the VIN, as given in clause 5 of the said SABS ISO 4030, shall, for the purpose of this specification, be taken to read as follows:

5 VIN attachment

5.1 The VIN shall be marked direct on any integral part of the vehicle; it may be either on the frame, or, for integral frame body units, on a part of the body not easily removed or replaced.

5.2 The VIN shall also be marked on the data plate.

5.3 Deleted.

5.4 The height of the roman letters and the arabic numerals of the VIN shall be as follows:

- at least 7 mm if marked in accordance with 5.1 (frame, body, etc.) on motor vehicles and trailers; and
- at least 3 mm if marked in accordance with 5.2 (data plate).

5.2.5 Visible identification

An identification code made up of all or part of the VIN shall be applied to the motor vehicle, such that it is readily visible to a person standing outside the vehicle, without the use of aids.

In cases where only part of the VIN is used, the code shall be sufficient to provide unique identification of any unit of a model, provided the model is known.

5.3 Measuring units.

All gauges, indicators or instruments that are fitted to a motor vehicle and are calibrated in physical units shall be calibrated in units as prescribed by the current applicable regulations promulgated under the Measuring Units and National Measuring Standards Act, 1973 (Act 76 of 1973).

6 Requirements for vehicle equipment, components and systems

6.1 Speedometers

A vehicle that is capable of exceeding a speed of 25 km/h on a level road shall be equipped with speedometer equipment that complies with the relevant requirements given in **SABS 1441:1987, Motor vehicle safety specification for speedometer equipment on motor vehicles**, as published by Government Notice no. 1878 of 4 September 1987.

6.2 Engine, exhaust system and transmission

6.2.1 Engine

The engine of a vehicle shall be so fitted with a cover that any part of the engine that constitutes a source of danger is out of normal reach of a person.

6.2.2 Exhaust system

The exhaust system of a vehicle shall comply with the relevant regulations of the National Road Traffic Act.

6.2.3 Transmission

A vehicle, the tare of which exceeds 570 kg, shall be equipped with a transmission that enables it to be controlled and driven in both a forward and a reverse direction.

6.3 Fuel system

6.3.1 Fuel filler cap

The orifice for filling a fuel tank on a vehicle shall be fitted with an effective cap that prevents incidental ingress of water or other foreign matter.

6.3.2 Fuel filler inlet

A vehicle equipped with a positive-ignition engine shall be fitted with a fuel inlet orifice so designed that it prevents the tank from being filled from a petrol pump delivery nozzle which has an external diameter of **23.6** mm or greater.

For the purpose of this subsection, category **M1** vehicles which are also offered in the M2 configuration shall be considered to be of category **M2**.

6.4 Tyres

The tyres fitted to the wheels of a motor vehicle shall comply with the relevant requirements of the compulsory specification for **Pneumatic tyres for passenger cars and their trailers** as published by Government Notice no. 1125 of 16 November 2001.

6.5 Vehicle bodies

Vehicle bodies referred to in 1.2 shall be provided with sufficient instructions on the selection and assembly of components, such that the completed vehicle complies (or is capable of complying) with the requirements of this specification, when the instructions are followed.

7 Compliance requirements

Proof of compliance shall be provided by the manufacturer, importer or builder (MIB) to the inspectorate authority in respect of **each** motor vehicle model covered by the scope of this specification.

Such proof of compliance shall consist of the relevant documentation to enable the inspectorate authority to **satisfy** itself that compliance **has** been achieved before any such vehicle is registered in the Republic of South Africa.

8 Equivalent requirements

The requirements of any of the South African national standards stated in column 3 in the appropriate **parts** given in table 1 shall be deemed to have been met if compliance with the equivalent standards **given in** columns 5, 6 or 7 of the same table, or to any of their later amendment levels is achieved.

Where an **EEC** Directive is quoted in column 5, **and** an amendment level is quoted in column 6, this **shall** mean that the Directive and its' amendments up, and including the quoted level (in column 6), is the minimum level acceptable.

COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY M₁

SCHEDULE 1 — Operative dates

1	2	3	4	5
Sub-section	Item	Operative date	Exclusions	Exclusions expiry date
3.1.1	Lights to SAW 1376	15 July 1987	Vehicle models homologated before 15 July 1987	1 January 2001
3.1.2	Lights to SABS 1046	1 July 1991	Fitment of category 5 indicators as per 4.5 of SABS 1046	1 January 2001
3.2.1	Rear-View mirrors to SABS 1436	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.3.1	Braking to SABS 1207	15 July 1987	Vehicle models homologated before 15 July 1987 shall comply with SABS 1051	1 January 2001
3.3.2	Braking to the requirements of SABS ECE R13 equivalent to ECE R13.08	1 January 2001	Vehicle models homologated before 1 January 2001	To be agreed
3.4.1	Interior fittings to SABS 1047	15 July 1987	Vehicle models homologated before 15 July 1987	1 January 2001
3.5.1	Energy absorption of steering control to SABS 1440	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.5.2	Frontal impact characteristics to SABS 1440	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.6	Door latches and hinges to SABS 1443	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.7.1	Seats and seat anchorages to SABS 1429	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.7.2	Restraining device anchorages to SABS 1430	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.7.4	Child restraints (if fitted) to the relevant compulsory specification	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
3.7.5	Supplementary restraining devices (airbags)	1 January 2001	Vehicle models homologated before 1 January 2001	To be agreed
3.8	Anti-theft devices to SABS 1248	1 July 1987	Vehicle models homologated before 1 July 1987	1 January 2001
3.9	Head restraints (if fitted) to SABS 1269	15 July 1987	Vehicle models homologated before 1 July 1987	1 January 2001
3.10	Warning triangles (if supplied) to SABS 1324	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
4.2.2	Vehicle emissions to SABS ECE R83 to the level of ECE R83.02	1 February 2005	Vehicle models homologated before 1 February 2005	1 January 2008
4.2.3	Vehicle emissions to SANS 20083 to the level ECE R83.04	1 January 2006	Vehicle models homologated before 1 January 2006	1 January 2008
5.2.5	Visible identification	1 August 2001	Nil	
6.1	Speedometers to SABS 1441	1 July 1991	Vehicle models homologated before 1 July 1991	1 January 2001
6.3	Fuel filler inlet restrictor	1 October 2003	Nil	

COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY M₁

**Vehicles incorporating new body designs and used components
from earlier designs of Original Equipment Manufacturers
motor vehicles and new bodies (replicas and kit cars)**

SCHEDULE 2 — Operative dates

1	2	3	4	5
Sub-section	Item	Operative date	Exclusions	Exclusions expiry date
3.1.2	Installation of lights to SABS 1046	1 January 1997	Vehicles homologated before 1 January 1997, for 4.2.4.1, 4.5.42 and 4.5.4 only, of SABS 1046 in cases where the headlight and indicator positions form part of a design intended to replicate the position of an earlier model of motor vehicle	1 January 2006
3.3.1	Braking to SABS 1207 or SABS ECE R13	1 January 1997	Vehicles incorporating major components of rear engine vehicles, which were homologated before 1 January 1980, except where the original engine or transmission is altered to an extent that the control of the vehicle would be adversely affected	1 January 2001
3.4.1	Interior fittings to SABS 1047	1 January 1997	Vehicles homologated before 1 January 1997, at the discretion of the SABS	1 January 2001
3.5.2	Frontal impact characteristics to SABS 1440	1 January 1997	Vehicles homologated before 1 January 1997 NB — No exclusions for the energy absorption of the steering control (see 3.5.1)	1 January 2006

COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY M₁

TABLE 1 — Equivalent standards that shall be
deemed to comply with SA national standards

1	2	3	4	5	6	7	8	9
Sub-section	Item	SABS No.	Date	Equivalent standards			Other	Remarks
				EEC	Amend.			
1.1.1	Lights	1376-1 1376-2 1376-3	1983 1985 1985	76/758 76/757 76/759 76/760 76/761 76/762 77/538 77/539 77/540		R1 R2.02 R3.02 R4 R5.01 R6.01 R7.01 R8.04 R19.01 R20.02 R23 R31.01 R37.02 R38		Applicable only for headlamps, direction indicators, stoplights, front and rear position lights
1.1.2	Installation of lights	1046	990	76/756	19/278	R48		
2.1	Rear-view mirrors	1436	989	71/127	8/321	R46.01		
2.2.1	Windscreens	1191	978	32/22		R43		
2.2.2	Windows and partitions	1191 or 1193	978 978	32/22 32/22		R43 R43		
3	Braking	1207 ECE R13	985 096	71/320	9/489	R13.04 R13.08 R13H		
4.1	Interior fittings	1047	984	74/60	8/632	R21.01		
4.3	Audible warning devices	0169	984	70/388		R28.01		
5	Steering mechanism	1440	087	74/297		R12.02		
6.1	Door latches and hinges	1443	987	70/387		R11.02		
7.1	Seats and seat anchorages	1429	987	74/408	11577	R17.02		
7.2	Restraining device anchorages	1430	987	76/115	2/318	R14.02		
7.3.1	Restraining devices (safety belts)	1080	983	71541	2/319	R16.03		
7.3.2	Installation of restraining devices	1168	983	71541	2/319	R16.03		
7.4	Child restraints	1340	996			R44.01		fitted
8	Anti-theft devices	1248	986	4/61		R18.01		
9	Head restraints	1269	986	8/932		R25.02		fitted
10	Warning triangles	1329-1	987			R27.03		supplied
1	Radio and television interference	act	196	21245		R10.01		
2	Atmospheric pollution	act	1965	0/220 id 2/306		R15, R24		
2.2	Vehicle emissions	ICE R83	1993	0/220	93J59	R83.02		
2.3	Vehicle emissions	TRANS 0083	1963			R83.04		
3.1	Noise when in motion	205	1986	71/157	811334	R51		
3.2	Noise when stationary	181 281	1981 1994	71/157	841424	R51		
5.2.1	Data plates			76/114	78/507			
5.2.4	IN	ISO 3779 ISO 4030	1983 1983				ISO 3779 ISO 4030	
6.1	Speedometers	441	1987	51443				
6.4	Tyres	act	1996	2/23		R30		