

No. R. 271

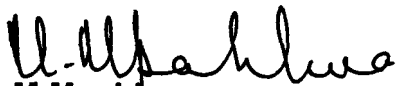
1 April 2005

## STANDARDS ACT, 1993

PROPOSED AMENDMENT OF THE COMPULSORY SPECIFICATION FOR  
MOTOR VEHICLES OF CATEGORY N2/3

It is hereby made known under section 22 (3) of the Standards Act, 1993 (Act No. 29 of 1993), that the Minister of Trade and Industry intends to amend the compulsory specification for motor vehicles of category N2/3 as published by Government Notice No. R945 in Government Gazette No. 23622 of 19 July 2002 as set out in the attached Schedule.

Any person who wishes to object to the intention of the Minister to thus amend the compulsory specification concerned, shall lodge their objection in writing with the President, South African Bureau of Standards, Private Bag X191, Pretoria, 0001, on or before the date two (2) months after publication of this notice.

**M Mphahlele****Minister of Trade and Industry**

## SCHEDULE

### COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY N<sub>2</sub> AND N<sub>3</sub>

#### 1 Scope

1.1 This specification covers the requirements for motor vehicle models of category N<sub>2</sub> and N<sub>3</sub>, not previously registered or licensed in South Africa, 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.

1.3 This specification does not apply to experimental or to prototype vehicles constructed or imported by the original manufacturers or importers for the purpose of testing, assessment or development, or to a type "A" military vehicle, or to special purpose vehicles of the type covered by National Road Traffic Act, 1996 (Act 93 of 1996), or to agricultural tractors.

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 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
- f) 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.

**6** 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:

21

builder

person who builds a category N2 or N3 motor vehicle, and "build" has a corresponding meaning

22

category N motor vehicle

goods vehicle that has at least four wheels, or that has three wheels and a maximum mass exceeding 1 t

23

category N<sub>2</sub> motor vehicle, hereinafter referred to as a vehicle

category N vehicle that is used for the carriage of goods and that has a maximum mass of more than 3,5 t but not more than 12 t

24

category N<sub>3</sub> motor vehicle, hereinafter referred to as a vehicle

category N vehicle that is used for the carriage of goods and that has a maximum mass exceeding 12 t

25

goods

any movable property

26

goods vehicle

motor vehicle, other than a motorcycle, motor tricycle, motor quadricycle, motorcar, minibus or bus, that is designed or adapted for the conveyance of goods on a public road, and that includes a truck-tractor, adaptor dolly, converter dolly and breakdown vehicle

27

importer

person who imports a category N2 or N3 motor vehicle, and "import" has a corresponding meaning

28

inspectorate authority

an organisation appointed by the Minister of the Department of Transport as the Inspectorate of manufactures, builders, and importers

29

manufacturer

person who manufactures, produces, assembles, alters, modifies, adapts or converts a category N2 or N3 motor vehicle, and "manufacture" has a corresponding meaning

2.10

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 cognizance 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;
- Ƒ 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.

#### 2.11

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

regulatory authority

an organization appointed by the Minister of the Department of Trade Industry to implement this Compulsory Specification on behalf of the South African Government

#### 2.14

type "A" military vehicle

motor vehicle, other than a type "B" military vehicle, that is designed for military purposes and that, in addition to being armed, has an armoured skin

#### 2.15

type "B" military vehicle

motor vehicle that is designed or adapted for military purposes for the carriage of goods or personnel, and that may have an armoured skin

### 3 General requirements

#### 3.1 Requirements for lights, lighting equipment and rear warning signs

##### 3.1.1 Lights

Main and dipped-beam headlights, direction-indicator lights, stoplights, front and rear position lights, rear registration plate lights, reversing lights, end-outline marker lights and parking 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

##### 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
  - 2) end-outline marker lamps as set out in 4.13; and
  - 3) rear fog lamps, as set out in 4.1.1

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; and

- c) the specific requirements, as set out in 4.5.1.1 of the said SABS 1046, for the detection of a failure of a direction-indicator lamp on the trailer(s) of a vehicle combination, shall be treated as **OPTIONAL**.

### 3.1.3 Rear warning sign (chevron)

A vehicle shall be fitted with a rear warning sign that complies with the requirements of the relevant regulations of the National Road Traffic Act.

### 3.1.4 Retro-reflective markings

Where fitted to a vehicle, retro-reflective markings shall comply with the requirements of SABS **ECE R104**, Uniform provisions concerning the approval of retro-reflective markings for heavy and long vehicles and their trailers, to the level of ECE R104.02

## 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 Windscreens, windows and partitions

#### 3.2.2.1 Windscreens

**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 relevant 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 relevant requirements given 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 the 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) the fitment of automatic brake adjustment devices;
- b) the banning of asbestos in brake linings
- c) the compulsory fitment of anti-lock braking systems; and
- d) anti-lock specific brake test procedure and its requirements (paragraph 5 of annex 13 of SABS ECE R13).

**3.3.5** For the purpose of this Compulsory Specification paragraph 2.3.6 of annex 4 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-O test shall be carried out with the engine disconnected at an initial test speed of 30km/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 not be less than 1,5 m/s<sup>2</sup>. 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 controls, steering mechanism and audible warning devices

### 3.4.1 Controls

#### 3.4.1.1 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.

#### 3.4.1.2 Right-hand drive

A vehicle shall be of a right-hand drive configuration, except as allowed in terms of 3.4.1.3.

#### 3.4.1.3 Central steering

A vehicle may have a central steering configuration.

#### 3.4.2 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 doors, entrances and exits

The doors, entrances and exits of any category  $N_2$  or  $N_3$  motor vehicle shall comply with the requirements of the relevant regulations of the National Road Traffic Act, 1996 (Act 93 of 1996).

#### 3.6 Requirements for 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 Requirements for electrical connectors

Electrical connectors that are fitted for the purpose of towing a vehicle, shall comply with

a) in the case of 12 V systems:

- 1) **SABS 1327:1981**, Electrical connectors for towing and towed vehicles (7-pole connectors), or
- 2) **SABS ISO 11446:1987**, Passenger cars and light commercial vehicles with 12 V systems – 13-pole connectors between towing vehicles and trailers – Dimensions and contact allocation;

b) in the case of 24 V systems

- 1) **SABS 1327:1981**, Electrical connectors for towing and towed vehicles (7-pole connectors) or
- 2) **SABS ISO 12098:1994**, Commercial vehicles with 24 V systems – 15-pole connectors between towing vehicles and trailers – Dimensions and contact allocation.

#### 3.8 Requirements for rear underrun protection devices

All  $N_2$  vehicles of gross vehicle mass equal to or exceeding 8 t and all  $N_3$  vehicles shall be fitted with a rear underrun protection device that complies with the relevant requirements given in **SABS 1055:1983**, Motor vehicle safety standard specification for rear underrun protection devices, as published by Government Notice no. 785 of 14 October 1983.

Provided that certain vehicles may be excluded in terms of 5.2 or 5.5 of the said **SABS 1055**.

#### 3.9 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 of the relevant regulations of the National Road Traffic Act, 1996 (Act 93 of 1996).

## **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).

**4.2.2** The gaseous and particulate emissions from the vehicle shall comply with the requirements of at least one of the following:

**4.2.2.1** SANS 20049:2004 Uniform provisions concerning the approval of *compression-ignition (C.I.)* and natural gas (*NG*) engines **as** well as *positive-ignition (P.I.)* engines fuelled with liquefied petroleum gas (LPG) and vehicles equipped with C.I. and *NG* engines fuelled with *LPG*, with regard to the emissions of pollutants **by** the engine to the level of ECE R49.02B, or

**4.2.2.2** United States Regulations.

Engines which operate on diesel, liquefied petroleum **gas**, the technical requirements of **USA** Code of Federal Regulations, Part 86- Control of air pollution from new and in-use motor vehicles and new and used motor vehicle engines certification and test procedures-Subpart A 40 CFR 86.098-11 Emissions standards for 1998 and later year diesel heavy-duty engines and vehicles; and Subpart N 40 CFR 86.1300 series-Emissions Regulations for new *Otto-cycle* and diesel heavy-duty engines; gaseous and particulate exhaust test procedures, are deemed to be equivalent to the technical requirements of this standard.

Engines which operate on petrol, and ~~which comply with the technical requirements of~~ **the** USA Code of Federal Regulations, Part 86-Control of air pollution from new and in-use motor vehicles and new and in-use motor vehicle engines certification and test procedures – Subpart A 40 CFR 86.096-10 Emissions standard for 1996 and the later model year *Otto-cycle* heavy-duty engines and vehicles; and Subpart N 40 CFR 86.1300 series – Emissions Regulations for new *Otto-cycle* and diesel heavy-duty engines; gaseous and particulate exhaust test procedures, will be accepted as complying with this standard., or

**4.2.2.3** Japanese Standards

The Japanese Exhaust Emission Standards for 'light-duty vehicles' and the 1998 Japanese Exhaust Emissions Standards for 'medium-duty vehicles', as detailed in the 'Safety Regulations for Road Vehicles', Japanese Ministry of Transport Ordinance No.67 of 28 July 1951, Article 31, as amended by Ordinance No.4 of 19 January 1996. The Japanese Exhaust Emission Standards for 'Heavy-duty vehicles', as detailed in the 'Safety Regulations for Road Vehicles', Japanese Ministry of Transport Ordinance No. 67 of 28 July 1951, Article 31, as amended by Ordinance No. 22 of 31 March 1997.

Note; For vehicles certified to Japanese requirements, the following definitions apply; Light-duty vehicles: vehicles with a GVW over 2.5t and not more than 3.5t. Medium-duty vehicles: vehicles with a GVW over 3.5t and not more than 12t. Heavy-duty vehicles: vehicles with a GVW over 12t or

**4.2.2.4** Australian Design Rules.

Australian Design Rule ADR 80/00, Emission Control for Heavy Vehicles.

### **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, when determined in accordance with SABS 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:

- a) 89 dB(A) for a vehicle that has a power unit rated at less than 150 kW; and
- b) 91 dB(A) for any other vehicle.

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, when 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 values), 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 one or more metal data 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.

**5.2.1.2** 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 5.2.1.1.

##### 5.2.2 Manufacturer's mass and power data

###### 5.2.2.1 Information on data plate

The data plates required in terms of 5.2.1 shall be legibly and permanently imprinted or stamped with the following information concerning the vehicle:

- 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;
- c) the gross axle mass-load of each axle, or gross axle unit mass-load of each axle unit, in kilograms, for the model type, denoted and prefixed by the letters GA/BA or GAU/BAE, as applicable; and
- d) the net power, in kilowatts, prefixed by the letters P/D, determined in accordance with SABS 013-1:1988. The determination of performance (of net power) of internal combustion engines - Part 1: Road vehicle internal combustion engines at sea level as published by Government Notice no. 1652 of 19 August 1988.

### 5.2.2.2 Optional data plate

The abbreviations given in 5.2.2.1(a), 5.2.2.1(b) and 5.2.2.1(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).

### 5.2.4 Provision for registration

Suitable space shall be provided on the data plate(s) for

- a) T . . . . kg (for the tare);
- b) V . . . kg (for the permissible maximum vehicle mass);
- c) A . . . kg or AU/AE . . . kg, as applicable (for the permissible axle mass-load of each axle or the permissible axle unit mass-load of each axle unit); and
- d) D/T . . . kg (for the permissible drawing vehicle mass).

The responsibility for marking this information on the data plate(s) shall rest with the final vehicle manufacturer.

### 5.2.5 Vehicle identification number (VIN)

The vehicle identification number shall comply with the relevant requirements given in SASS ISO 3779:1983, Road vehicles – Vehicle identification number (VIN) – Content and structure. However, the requirements for marking the VIN, as given in clause 5 of SABS ISO 4030:1983, Road vehicles – Vehicle identification number (VIN) – Location and attachment, as published by Government Notice 3160 of 20 November 1992, shall, for the purposes of this compulsory 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 framebody 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 when marked in accordance with 5.2 (data plate).

### 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:

Provided that any speed recording device fitted as speedometer equipment shall be exempted from the requirements of the said SABS 1441.

### 6.2 Engine, exhaust system and transmission

#### 6.2.1 Engine

The engine of a vehicle shall be 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 requirements of the relevant regulations of the National Road Traffic Act, 1996 (Act 93 of 1996).

#### 6.2.3 Transmission

A self-propelled vehicle 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.

### 6.4 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 commercial vehicles and their trailers as published in the relevant government gazette and the National Road Traffic act, 1996 (Act 93 of 1996).

### 6.5 Wheel flaps

Excluding truck-tractors, all vehicles shall be fitted with wheel flaps that comply with the relevant requirements given in SABS 1496:1989, *Wheel flaps fitted to motor vehicles*, as published by Government Notice no. 2008 of 22 September 1989:

Provided that

- a) wheel flaps that are designed and approved by the vehicle manufacturer may be fitted as an alternative, and
- b) chassis-only vehicles and chassis-cab vehicles that are being driven to a place to have body work fitted or to a dealer of such vehicles are excluded from the fitment of wheel flaps.

## **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 national standards in the appropriate parts of sections 3 to 6 given in table 1 shall be deemed to have been met if compliance with the equivalent standards given or to their later level is achieved.

## COMPULSORY SPECIFICATION FOR MOTOR-VEHICLES OF CATEGORY N<sub>2</sub> AND N<sub>3</sub>

### Schedule 1 — Operative dates

1	2	3	4	5
Sub-section	Item	Operative date	Exclusions	Exclusions expiry date
	All subsections/items not mentioned below	7 October 1992	Nil	
3.1.1	Lights to SABS 1376	15 July 1987  1 January 1998	Vehicle models homologated before 15 July 1987  Registration plate lights, reversing lights, end-outline marker lights and parking lights fitted to vehicle models homologated before 1 January 1998	1 January 2001  1 January 2001
3.1.2	Lights to SABS 1046	1 June 1992	Fitment of category 5 indicators	1 January 2001
3.3.1	Braking to SABS 1207	15 June 1992	Category N <sub>2</sub> vehicles homologated before 1 June 1992  Category N <sub>2</sub> vehicles homologated before 1 January 1987 may comply with SABS 1051	1 January 2001  1 January 2001
3.3.2	Braking to SABS ECE R13	1 January 2001	Vehicles homologated before 1 January 2001	To be agreed
3.6	Seats and seat anchorage to SABS 1429	1 June 1992	Vehicle models homologated before 1 June 1992 may comply with SABS 1052	1 January 2001
3.7	Electrical connectors (where fitted) to SABS 1327 or SABS ISO 11446, and SABS ISO 12098	6 August 1997	Nil	
3.8	Rear underrun protection to SABS 1055	15 July 1987	Category N <sub>2</sub> vehicles	1 January 2001
4.2.2	Vehicle emissions to SANS 20049 to the level of ECE R49.02B, US EPA 1998, Japanese 1998 or ADR 80/00	1 January 2006	Vehicle models homologated before 1 January 2006	1 January 2010
4.3.1	Suppression of noise emission to SABS 097	1 September 1983	Vehicles models homologated before the operative date	1 January 2001
4.3.1	Suppression of noise emission to SABS 0205	19 September 2002	Nil	
4.3.2	Noise when stationary to SABS 0281	14 April 1992	Nil	
5.2.5	VIN to SABS ISO 3779 and SABS ISO 4030	1 November 1995	Nil	
6.5	Wheel flaps to SABS 1496	1 June 1992	Vehicles homologated before 1 June 1992	1 January 2001

## COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY N<sub>2</sub> AND N<sub>3</sub>

Table 1 — Equivalent standards that shall be  
deemed to comply with SABS standards

1	2	3	4	5	6	7	8	9
Sub-section	Item	SABS No.	Dated	Equivalent standards				Remarks
				EEC	Incl.	ECE	Others	
3.1.1	Lights	1376-1 1376-2 1376-3	1983 1985 1985	76/757 76/758 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 R77		Applicable only for headlamps, direction indicators, stoplights, front and rear position lights
3.1.2	Installation of lights	1046	1990	76/756	89/278	R48		
3.1.3	Rear warning signs	Act	1996					
3.2.1	Rear-view mirrors	1436	1989	71/127	88/321	R46.01		
3.2.2.1	Windscreens	1191	1978	92/22		R43		
3.2.2.2	Windows and partitions	1191 or 1193	1978 1978	92/22 92/22		R43 R43		
3.3	Braking	1207 or ECE R13	1985 1996	71/320	79/489	R13.04 R13.08		
3.4.2	Audible warning devices	0169	1984	70/388		R28.01		
3.6	Seats and seat anchorages	1429	1987	74/408	81/577	R17.02		
3.8	Rear underrun protection devices	1055	1983	70/221	81/333	R58.01		
3.9	Warning triangles	Act	1989			R27.03		If supplied
4.1	Radio interference	Act	1996	71/245		R10.01		
4.2	Atmospheric pollution	Act	1965	70/220 72/306		R15 R24 R83		
4.2.2.1	Vehicle emissions	SANS 20049	2004			R49.02B		
4.3.1	Noise when in motion	0205	1986	70/157	77/212	R51		
4.3.2	Noise when stationary	0181 0281	1981 1994	70/157	84/424	R51		
5.2.1	Data plate(s)			76/114	78/507			
5.2.5	Vehicle identification number (VIN)	ISO 3779 ISO 4030	1983 1983					
6.1	Speedometer	1441	1987	75/443		R39		
6.4	Tyres	Act	1996			R54		