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Government Notice

MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION

No. 305 1998

ROAD TRAFFIC ORDINANCE, 1967: AMENDMENT OF THE ROAD TRAFFIC REGULATIONS

The Minister has under section 165 of the Road Traffic Ordinance, 1967 (Ordinance No. 30 of 1967) -

- (a) amended the Road Traffic Regulations as set out in the Schedule; and
- (b) determined that the amendments to regulations 105 and 106 effected by paragraph 5 of the Schedule shall, from 1 July 1999, apply in respect of motor vehicles to or on which information plates or letters and figures have in terms of the Road Traffic Regulations been affixed or are displayed, as the case may be, prior to the date of publication of this notice.

SCHEDULE

1. In this Schedule, unless the context otherwise indicates, any reference to “the Regulations” means a reference to the Road Traffic Regulations promulgated under Government Notice No. 95 of 1967, as amended by Government Notices No. 88 of 1968, No. 97 of 1969, No. 123 of 1969, No. 130 of 1970, No. 176 of 1971, No. 51 of 1972, No. 56 of 1972, No. 58 of 1972, No. 90 of 1972, No. 144 of 1972, No. 158 of 1972, No. 159 of 1972, No. 42 of 1973, No. 124 of 1973, No. 164 of 1973, No. 30 of 1974, No. 31 of 1974, No. 135 of 1974, No. 238 of 1974, No. 1 of 1975, No. 68 of 1975, No. 87 of 1975, No. 175 of 1975, No. 214 of 1975, No. 272 of 1975, No. 310 of 1975, No. 341 of 1975, No. 214 of 1976, No. 400 of 1976, No. 61 of 1977, No. 376 of 1977, No. 404 of 1977, No. 215 of 1978, No. 280 of 1978, No. 38 of 1979, No. 41 of 1979, No. A.G. 131 of 1981, No. A.G. 137 of 1981, No. A.G. 141 of 1981, No. A.G. 8 of 1982, No. A.G. 9 of 1982, No. A.G. 151 of 1982, No. A.G. 152 of 1982, No. A.G. 123 of 1983, No. A.G. 133 of 1983, No. A.G. 2 of 1984, No. A.G. 56 of 1984, No. A.G. 60 of 1984, No. 78 of 1985, No. 47 of 1990, No. 95 of 1992, No. 96 of 1992, No. 48 of 1993, No. 102 of 1993, No. 190 of 1996, No. 42 of 1997 and No. 20 of 1998, and Act No. 1 of 1994.

2. Regulation 1 of the Regulations is amended -

(a) by the insertion after the definition of “axle unit” of the following definition :

“ ‘bus-train’ means a bus which -

(a) consists of two sections which are connected to each other to form a unit;

(b) can swivel in a horizontal plane at the connection between the sections referred to in paragraph (a);

(c) is designed or adapted solely or principally for the conveyance of the driver and not less than 100 other persons; and

(d) has a continuous passageway over the length thereof;” ; and

(b) by the insertion after the definition of “minibus” of the following definition :

“ ‘motor quadrucycle’ means a motor vehicle, other than a tractor, which has four wheels and which is designed to be driven by the type of controls usually fitted to a motor cycle;”.

3. Regulation 86 is amended by the substitution in subregulation (8) for the words preceding the proviso of the following words :

“(8) Any person who contravenes or fails to comply with any provision of subregulation (2) or (3) or (4) or (5) or (6) shall be guilty of an offence and on

conviction be liable to the penalties prescribed by regulation 182(b) : ”.

4. The following Chapter is substituted for Chapter VII of the Regulations :

**“CHAPTER VII
DIMENSIONS OF VEHICLES AND PROJECTIONS**

Overall length of vehicle

88. No person shall operate on a public road -
- (a) any trailer which is attached to a drawing vehicle in such a manner that the combination of trailer and drawing vehicle cannot swivel in a horizontal plane, if the overall length of such trailer, including any drawbar or coupling, exceeds one comma eight metres;
 - (b) any trailer with one axle or one axle unit, excluding a semi-trailer -
 - (i) the gross vehicle mass of which exceeds 12 000 kilograms, if the overall length of such trailer, excluding any drawbar or coupling, exceeds 11,3 metres; or
 - (ii) the gross vehicle mass of which does not exceed 12 000 kilograms, if the overall length of such trailer, excluding any drawbar or coupling, exceeds eight metres;
 - (c) a trailer, excluding a semi-trailer or a trailer with one axle or one axle unit, the gross vehicle mass of which exceeds 12 000 kilograms, if the overall length of such trailer, excluding any drawbar or coupling, exceeds 12,5 metres;
 - (d) any articulated motor vehicle or any other combination of motor vehicles consisting of a drawing vehicle and a semi-trailer, if the overall length of such motor vehicle or combination of motor vehicles, including any drawbar or coupling, exceeds 18,5 metres;
 - (e) a bus-train, if the overall length thereof exceeds 20 metres;
 - (f) any other vehicle, excluding a semi-trailer, if the overall combination length, including any drawbar or coupling, exceeds 12,5 metres; or
 - (g) any other combination of motor vehicles, if the overall length of such combination, including any drawbar or coupling, exceeds 22 metres.

Restriction on combination of motor vehicles

89. (1) No person shall operate on a public road any combination of motor vehicles -

- (a) excluding a drawing vehicle and one or two trailers;
 - (b) excluding a motor vehicle drawing one other motor vehicle which is not a trailer : Provided that in the case of an emergency or a breakdown, a vehicle and a trailer may be drawn;
 - (c) consisting of a trailer attached to a drawing vehicle in such a manner that the combination of trailer and drawing vehicle cannot swivel in a horizontal plane, if the combined length of such trailer, including any drawbar or coupling, and the rear overhang of the drawing vehicle exceeds three comma one metres;
 - (d) if the length of the drawbar of any trailer in such combination, if such trailer has more than one axle, exceeds two metres : Provided that in the case of an underslung coupling, the drawbar may exceed two metres : Provided further that the distance between the two vehicles shall not exceed two comma five metres; or
 - (e) if the drawing vehicle is a motor cycle or a motor tricycle or a motor quadrucycle.
- (2) A converter dolly shall, when used in combination with a semi-trailer, be deemed not to be a trailer.

Overall width of vehicle

90. No person shall operate on a public road -
- (a) a public bus or a school bus of which -
 - (i) the distance between the centre-lines of the tyres of the two front wheels exceeds one comma nine metres; or
 - (ii) the overall width exceeds two comma six metres;
 - (b) a goods vehicle, if the gross vehicle mass thereof exceeds 12 000 kilograms and the overall width thereof (excluding mirrors or direction indicators on the side of the vehicle), exceeds two comma six metres; or
 - (c) any other vehicle, if the overall width thereof (excluding mirrors or direction indicators on the side of the vehicle), exceeds two comma five metres.

Overall height of vehicle and load

91. No person shall operate on a public road a motor vehicle, with or without any load thereon, if the overall height of such vehicle, with or without any load -
- (a) in the case of a double-decker bus, exceeds four comma six five metres;
 - or

- (b) in the case of any other motor vehicle, exceeds four comma three metres.

Turning radius and wheelbase

92. No person shall operate on a public road a vehicle -

(a) the turning radius of which exceeds 13,1 metres; or

(b) the wheelbase of which -

(i) in the case of a semi-trailer, exceeds nine metres;

(ii) in the case of a bus-train, exceeds 15 metres; or

(iii) in the case of any other vehicle, exceeds eight comma five metres.

Overhang of vehicle

93. (1) No person shall operate on a public road -

(a) a semi-trailer, the front overhang of which exceeds one comma eight metres; or

(b) a vehicle, not being a semi-trailer or not being a trailer with one axle or one axle unit, the front overhang of which -

(i) exceeds 60 per cent of the wheelbase of such vehicle; or

(ii) in the case of a vehicle having the front surface of the back rest of the driver's seat at seat level not more than one comma seven metres from the front end of the vehicle when such seat, if adjustable, is in the rearmost position, less half the distance of the wheelbase, exceeds six comma two metres : Provided that the wheelbase of a bus-train shall be the distance measured from the centre of the front axle to the centre of the middle axle; or

(iii) in the case of any other vehicle, less half the distance of the wheelbase of such vehicle, exceeds five comma eight metres.

(2) No person shall operate on a public road -

(a) a vehicle designed or adapted for use in connection with street cleaning or the disposal of refuse or sewage, or any vehicle which is a drilling machine, mobile crane, fork lift or straddle truck, road making, earthmoving, excavation, construction or loading machine, or any bus or self-propelled caravan, the rear overhang of which exceeds 70 per cent of its wheelbase;

(b) a trailer, excluding a semi-trailer, which is equipped with -

- (i) one axle;
 - (ii) one axle unit; or
 - (iii) two axles, and if the distance between the centre-lines of the axles is less than one comma two metres,

if the rear overhang exceeds 50 per cent of the length of the body of such trailer; or
- (c) any vehicle, not referred to in paragraph (a) or (b), the rear overhang of which exceeds 60 per cent of its wheelbase.

Projections in case of vehicle other than a motor cycle, motor tricycle, motor quadrucycle or pedal cycle.

94. (1) No person shall operate on a public road a vehicle, excluding a motor cycle, motor tricycle, motor quadrucycle or pedal cycle, conveying goods or fittings -

- (a) which project either side of the longitudinal centre-line of the vehicle by more than -
 - (i) in the case of a bus or a goods vehicle, one comma three metres;
or
 - (ii) in the case of any other vehicle, one comma two five metres,

excluding any mirror or direction indicator on the side of the vehicle;
- (b) which project more than 300 millimetres beyond the front end of the vehicle of which the front overhang together with any projections -
 - (i) exceeds 60 per cent of the wheelbase; or
 - (ii) in the case of a vehicle having the front surface of the back rest of the driver's seat at seat level not more than one comma seven metres from the front end of the vehicle, exceeds six comma two metres; or
- (c) of which any bracket projects more than 150 millimetres beyond the widest part of the vehicle; or
- (d) which project more than one comma eight metres beyond the rear end of the vehicle.

(2) No person shall operate on a public road a vehicle or combination of vehicles if the combined length of such vehicle or combination of vehicles and any projection exceeds the prescribed overall length for such vehicle or combination of vehicles.

Projections in case of motor cycle, motor tricycle, motor quadrucycle or pedal cycle

95. No person shall operate on a public road a motor cycle, motor tricycle, motor quadrucycle or pedal cycle if any goods conveyed on any such cycle, or on any portion or side-car thereof, project -

- (a) more than 600 millimetres to the front of the axle centre of the front wheel; or
- (b) more than 900 millimetres to the rear of the axle centre of the rear wheel; or
- (c) more than 450 millimetres on either side of the wheels of such cycles; or
- (d) more than 300 millimetres to the outside of the wheel of any side-car,

excluding any side-mirror or crashbar of any such cycle.

Warning in respect of projecting load

96. (1) No person shall operate a vehicle on a public road if the load on such vehicle projects more than 150 millimetres beyond the side of such vehicle, unless -

- (a) during the period referred to in regulation 23, the extent of such projection is indicated -
 - (i) by means of either a white retro-reflector or a lamp emitting a white light, fitted at the outer edge of the front of such load; and
 - (ii) by means of either a red retro-reflector or a lamp emitting a red light, fitted at the outer edge of the rear of such load; and
- (b) during any other period, the extent of such projection is indicated by means of flags of red cloth, not less than 300 millimetres by 300 millimetres, suspended by two adjacent corners thereof transversely to the direction of travel of the vehicle from the front and rear of such projection.

(2) No person shall operate a vehicle on a public road if the load on such vehicle projects more than 300 millimetres beyond the rear of such vehicle, unless -

- (a) during the period referred to in regulation 23 -
 - (i) the width of such projection is indicated by means of red retro-reflectors or lamps emitting a red light fitted on the end of such projection : Provided that if the width of any such projection is less than 600 millimetres it shall be sufficient for the purpose of

indicating such width to fit one retro-reflector or lamp on the end of such projection; and

- (ii) the length of such projection is indicated by means of yellow retro-reflectors or lamps emitting a yellow light fitted on both sides of such projection at the end thereof; and
 - (b) during any other period, the length of such projection is indicated by means of a red flag or red cloth, not less than 300 millimetres by 300 millimetres, suspended by two adjacent corners thereof transversely to the direction of travel of the vehicle, from the end of such projection and the width of such projection is indicated by means of such flags suspended by two adjacent corners thereof parallel to the direction of travel of the vehicle, from both sides of such projection at the end thereof : Provided that if the width of such projection is less than 600 millimetres it shall be sufficient for the purposes of indicating such projection to suspend one such flag from the end thereof.
 - (3) For the purposes of this regulation -
 - (a) a retro-reflector means a retro-reflector as defined in regulation 55; and
 - (b) the light of any lamp shall comply with regulation 50.”.
5. The following Chapter is substituted for Chapter VIII of the Regulations :

“CHAPTER VIII
LOADS ON VEHICLES

Manner in which children are to be counted as passengers for the purposes of these regulations

97. (1) For the purpose of establishing the number of persons which may in terms of these regulations, excluding regulation 140, be conveyed on any vehicle, excluding a motor cycle, motor tricycle, motor quadrucycle or pedal cycle -

- (a) no child under the age of three years shall be counted as a passenger;
 - (b) two children of three years or older, but under the age of six years, shall be counted as one passenger; and
 - (c) three children of six years or older, but under the age of 13 years, shall be counted as two passengers.
- (2) In calculations in terms of subregulation (1), any fraction shall be disregarded.

Mass of persons and luggage for determining mass of load

98. For the purposes of establishing the maximum mass of persons and luggage which may be conveyed on a motor vehicle -

- (a) the mass of a person together with his or her personal effects shall, subject to regulation 97, be deemed to be 63 kilograms; and
- (b) in the case of a motor vehicle which is fitted with -
 - (i) a luggage compartment, the mass of any luggage conveyed in such compartment shall be calculated at the rate of 100 kilograms per cubic metre; or
 - (ii) a roof rack, the mass of any luggage conveyed on such roof rack shall be calculated at the rate of 75 kilograms per square metre of area occupied on the roof rack :

Provided that if a motor vehicle is examined for the purpose of obtaining a certificate of fitness in terms of section 80 of the Ordinance, this regulation shall not apply in the determination of the seating capacity of such motor vehicle.

Number of persons that may be conveyed on motor vehicle in relation to seating capacity

99. (1) Subject to regulation 97, no person shall operate on a public road a motor vehicle, excluding a minibus or a bus, or any motor cycle, motor tricycle, motor quadrucycle or pedal cycle, if -

- (a) the number of persons conveyed on any seat of such vehicle exceeds the number of persons for whom seating accommodation is provided on such seat at the rate of 380 millimetres per person measured at the widest part of the seat with the doors closed; and
- (b) the total number of persons conveyed on such vehicle, excluding persons conveyed in the goods compartment of the vehicle, exceeds the number of persons for whom seating accommodation, determined in the manner referred to in paragraph (a), is available in such vehicle : Provided that one child over the age of three years, but under the age of six years may be conveyed on each transverse seat in excess of the number of persons for whom seating accommodation determined in the manner referred to in that paragraph is available on such seat.

(2) Subject to regulation 97, no person shall operate on a public road a bus or minibus, excluding a bus or minibus which is used for hire or reward, if the number of persons on any seat exceeds the number of persons for whom seating accommodation is provided on such seat at the rate of -

- (a) 400 millimetres per person in the case of a bus; or

- (b) 380 millimetres per person in the case of a minibus,

measured at the widest part of the seat with the doors closed.

(3) For the purposes of the proviso to subregulation (1)(b), a row of seats shall be regarded as one seat.

(4) Where in this regulation a reference is made to a maximum or minimum dimension, a tolerance of ten millimetres above any such maximum and below any such minimum shall be allowed.

Permissible maximum axle massload of a vehicle

99A. (1) No person shall operate on a public road a minibus, bus, tractor or goods vehicle if the permissible maximum axle massload of such vehicle, as determined in accordance with subregulation (2), is exceeded.

(2) The permissible maximum axle massload of a vehicle shall be the lesser of the mass limits determined by -

- (a) regulation 100(1) in respect of a vehicle fitted with pneumatic tyres, or regulations 100(2) and 104 in respect of a vehicle fitted with tyres other than pneumatic tyres;
- (b) regulation 101(1)(a)(ii); and
- (c) regulation 102(1)(a), (b) and (c).

Permissible maximum axle unit massload of a vehicle

99B. (1) No person shall operate on a public road a minibus, bus, tractor or goods vehicle if the permissible maximum axle unit massload of such vehicle, as determined in accordance with subregulation (2), is exceeded.

(2) The permissible maximum axle unit massload of a vehicle shall be the lesser of the mass limits determined by -

- (a) regulation 100(1) in respect of a vehicle fitted with pneumatic tyres or regulations 100(2) and 104 in respect of a vehicle fitted with tyres other than pneumatic tyres;
- (b) regulation 101(1)(a)(iii); and
- (c) regulation 102(1)(d), (e), (f) and (g).

Permissible maximum vehicle mass

99C. (1) No person shall operate on a public road a minibus, bus, tractor or goods vehicle if the permissible maximum vehicle mass of such vehicle, as determined

in accordance with subregulation (2), is exceeded.

(2) The permissible maximum vehicle mass of a vehicle shall be the lesser of the mass limits determined by -

- (a) the sum of all the permissible maximum axle massloads and axle unit massloads of the vehicle as contemplated in regulations 99A and 99B;
- (b) regulation 101(1)(a)(i);
- (c) regulation 101(2);
- (d) regulation 101(3); and
- (e) regulation 102A :

Provided that the permissible maximum vehicle mass of such vehicle shall not exceed 56 000 kilograms.

Permissible maximum combination mass

99D. (1) No person shall operate on a public road a combination of vehicles if the drawing vehicle is a minibus, bus, tractor or goods vehicle, and if the permissible maximum combination mass of such combination, as determined in accordance with subregulation (2), is exceeded.

(2) The permissible maximum combination mass of a combination of vehicles shall be the lesser of the mass limits determined by -

- (a) the sum of all the permissible maximum axle massloads and axle unit massloads of the combination of vehicles as contemplated in regulations 99A and 99B;
- (b) regulation 101(1)(b);
- (c) regulation 101(2);
- (d) regulation 101(3); and
- (e) regulation 102A :

Provided that the permissible maximum combination mass of such combination shall not exceed 56 000 kilograms.

Load on tyres

100. (1) No person shall operate on a public road a minibus, bus or goods vehicle fitted with pneumatic tyres, if the gross vehicle mass exceeds 3500 kilograms and if any wheel massload of such vehicle is in excess of that recommended by the

manufacturer of such tyre.

(2) No person shall operate on a public road any vehicle fitted with tyres, other than pneumatic tyres, if the wheel massload exceeds eight kilograms per one millimetre width of any such tyre.

Gross vehicle mass, gross axle massload, gross axle unit massload, gross combination mass, power to mass ratio and axle massload of driving axle to total mass ratio not to be exceeded.

101. (1) No person shall operate on a public road a minibus, bus, tractor or goods vehicle -

(a) if -

- (i) the gross vehicle mass;
 - (ii) any gross axle massload; or
 - (iii) any gross axle unit massload,
- is exceeded;

(b) drawing any other motor vehicle if the gross combination mass is exceeded.

(2) No person shall operate on a public road a vehicle which is a minibus, bus, tractor or goods vehicle if the mass in kilograms of such vehicle or of a combination of vehicles of which such first-mentioned vehicle forms a part, whether or not it is conveying a load, exceeds a figure arrived at by multiplying the maximum net power in kilowatts of the engine of such vehicle as determined in accordance with, or calculated with due regard to, the Code of Practice of the South African Bureau of Standards, SABS 013 : 'The determination of performance (at net power) of internal combustion engines' : Part 1 - 1988 : 'Road vehicle internal combustion engines at sea level' (which shall be available for inspection during office hours at the offices of the Under Secretary for Transport : Ministry of Works, Transport and Communication, Windhoek) -

- (a) by 400, in the case of the drawing vehicle being a tractor; or
- (b) by 240, in the case of any other drawing vehicle.

(3) No person shall operate on a public road a minibus, bus, tractor or goods vehicle if the mass in kilograms of such vehicle, or of a combination of vehicles of which such first-mentioned vehicle forms a part, whether or not it is conveying a load, exceeds five times the total axle massload of the driving axle or axles of such vehicle as determined in accordance with regulation 99A.

Massload carrying capacity of the road

102. (1) No person shall operate, subject to regulation 103, on a public road a motor vehicle or a combination of motor vehicles, the wheels of which are fitted with pneumatic tyres, if -

- (a) the wheel massload of such wheels -
 - (i) which are fitted to a steering axle, exceeds 3 850 kilograms; or
 - (ii) which are fitted to an axle other than a steering axle, exceeds 4 000 kilograms;
- (b) the axle massload of an axle fitted with two or three such wheels, and -
 - (i) which is a steering axle, exceeds 7 700 kilograms; or
 - (ii) which is an axle other than a steering axle, exceeds 8 000 kilograms;
- (c) the axle massload of an axle fitted with four such wheels and -
 - (i) which is fitted to a vehicle designed to compact refuse and which is conveying such refuse, exceeds 10 200 kilograms;
 - (ii) which is fitted to a breakdown vehicle, exceeds 10 200 kilograms;
 - (iii) which is placed in the rear or middle of a bus-train, exceeds 10 200 kilograms;
 - (iv) which is fitted to a bus, excluding a bus-train, exceeds 10 200 kilograms; or
 - (v) which is not mentioned in subparagraphs (i) to (iv), exceeds 9 000 kilograms;
- (d) the axle massload of an axle unit which consists of two axles, each of which is fitted with two or three wheels and -
 - (i) which is a steering axle unit, exceeds 15 400 kilograms; or
 - (ii) which is an axle unit other than a steering axle unit, exceeds 16 000 kilograms;
- (e) the axle massload of an axle unit which consists of two axles, each of which is fitted with four wheels, and -
 - (i) which is fitted to a vehicle, except a trailer designed to compact refuse and which is conveying such refuse, exceeds 20 400 kilograms;

- (ii) which is fitted to a breakdown vehicle, exceeds 20 400 kilograms;
or
 - (iii) which is not mentioned in subparagraphs (i) and (ii), exceeds 18 000 kilograms;
- (f) the axle massload of an axle unit which consists of three or more axles, each of which is fitted with two or three wheels, and -
- (i) which is a steering axle unit, exceeds 23 100 kilograms; or
 - (ii) which is an axle unit other than a steering axle unit, exceeds 24 000 kilograms; or
- (g) the axle massload of an axle unit which consists of three or more axles, each of which is fitted with four wheels, exceeds 24 000 kilograms.

(2) For the purposes of this regulation, 'axle massload' means the axle massload of a vehicle as determined in accordance with regulation 99A(2).

Massload carrying capacity of bridges

102A. (1) No person shall operate on a public road a vehicle or combination of vehicles, the wheels of which are fitted with pneumatic tyres, if the total axle massload of any group of axles of such vehicle or combination of vehicles exceeds the mass in kilograms determined by multiplying by 2 100 the dimension of such group measured as referred to in subregulations (3), (4) and (5), and by adding 18 000.

(2) A group of axles referred to in subregulation (1) may comprise any series of axles, but shall not consist of one axle unit referred to in regulation 102(1)(d), (e), (f) or (g) alone.

(3) The dimension referred to in subregulation (1) shall be measured in metres and tenths of metres from the centre of the first axle of any group of axles to the centre of the last axle of such group.

(4) If the dimension measured in accordance with subregulation (3) is not a definite figure in metres and tenths of a metre, the next highest number of tenths of a metre by which the dimension so measured is exceeded shall be used for the calculation in accordance with subregulation (1).

(5) If a group of axles of a combination of vehicles is measured in accordance with this regulation, the vehicles of such combination shall be positioned in line and both sides of such combination of vehicles shall be measured, and if the dimensions of the two sides differ, the longer dimension shall be used for the calculation in accordance with subregulation (1).

Distribution of axle massload and wheel massload on vehicle fitted with pneumatic tyres.

103. Notwithstanding regulation 102, no person shall operate on a public road a motor vehicle which is fitted with pneumatic tyres if -

- (a) on any axle of such motor vehicle -
 - (i) with two tyres, the wheel massload on one tyre exceeds the wheel massload on the other tyre by more than ten per cent; or
 - (ii) with four tyres, the wheel massload on two tyres nearest to each other exceeds the wheel massload on the other two tyres by more than ten per cent;
- (b) in the case of an articulated motor vehicle, the axle massload of a steering axle of such vehicle or the sum of the axle massloads of a steering axle unit is less than 11 per cent of the sum of all axle massloads of such vehicle;
- (c) in the case of a motor vehicle, not being an articulated motor vehicle, with a steering axle unit, the sum of the axle massloads of such steering axle unit is less than 30 per cent of the sum of all axle massloads of such vehicle; or
- (d) in the case of any other vehicle, the axle massloads of a steering axle is less than 20 per cent of the sum of all axle massloads of such vehicle, except in the case of a tractor when the axle massload of the steering axle shall not be less than 12 per cent of the sum of all the axle massloads of such tractor.

Axle massload of vehicles fitted with tyres other than pneumatic tyres

104. No person shall operate on a public road a vehicle -

- (a) fitted with metal tires, if any axle massload of such vehicle exceeds 2 700 kilograms; or
- (b) fitted with tyres, other than pneumatic tyres or metal tires, if any axle massload or the sum of all the axle massloads of such vehicle exceeds 50 per cent of that permitted for vehicles fitted with pneumatic tyres in terms of regulation 102 or, if the axle massload of any steering axle of such vehicle does not comply with the requirements of paragraph (b), (c) or (d) of regulation 103.

Information to be displayed on certain vehicles

105. No person shall operate on a public road a minibus, bus or goods vehicle which, according to the registration certificate thereof, was registered for the first

time prior to 1 January 1999 and of which the gross vehicle mass does not exceed 3 500 kilograms, unless there is displayed in a conspicuous position on the left side of such vehicle in letters and figures of not less than 40 millimetres in height and which shall be clearly legible at all times -

- (a) the tare of such vehicle in kilograms (denoted as 'T');
- (b) the permissible maximum vehicle mass referred to in regulation 99C in kilograms (denoted as 'V'); and
- (c) if the vehicle is used to draw any other vehicle, the permissible maximum drawing vehicle mass which shall be the lesser of the masses determined in kilograms in terms of regulation 101(1)(b) or (2) or (3) (and denoted as 'D/T') :

Provided that if such vehicle is fitted with a plate in terms of regulation 106, this regulation shall not be applicable to such motor vehicle.

Information plates on certain vehicles

106. (1) No person shall operate on a public road a minibus, bus or goods vehicle which, according to the registration certificate thereof -

- (a) was registered for the first time prior to 1 January 1999 and of which the gross vehicle mass exceeds 3 500 kilograms; or
- (b) was registered for the first time on or after 1 January 1999,

unless the following particulars in respect of such minibus, bus or goods vehicle are clearly imprinted or stamped on a metal plate or plates affixed in an accessible place on a door post, under the bonnet or on the dashboard of the vehicle concerned or, in the case of a trailer, on the left side thereof in any conspicuous place :

- (i) the tare in kilograms (denoted as 'T');
- (ii) the gross vehicle mass in kilograms (denoted as 'GVM');
- (iii) the gross axle massload or gross axle unit massload of each axle or axle unit in kilograms (denoted as 'GA' or 'GAU' respectively);
- (iv) in the case of a semi-trailer the gross kingpin massload as specified by the manufacturer (denoted as 'GKM');
- (v) the gross combination mass in kilograms if the vehicle is used to draw any other vehicle (denoted as 'GCM');
- (vi) if applicable, the net power in kilowatts as determined in accordance with or calculated with due regard to the Code of

Practice of the South African Bureau of Standards, SABS 013, 'The determination of performance (at net power) of internal combustion engines' : Part 1 - 1988 : 'Road vehicle internal combustion engines at sea level' (and denoted as 'P');

- (vii) the permissible maximum vehicle mass referred to in regulation 99C in kilograms (denoted as 'V') : Provided that this paragraph shall not be applicable to a semi-trailer;
- (viii) the permissible maximum axle massload referred to in regulation 99A or axle unit massload referred to in regulation 99B of each axle or axle unit in kilograms (denoted as 'A' or 'AU' respectively); and
- (ix) the permissible maximum drawing vehicle mass referred to in regulation 105(c) (denoted as 'D').

(2) No person shall operate on a public road a tractor which according to the registration certificate thereof was registered for the first time on or after 1 January 1999, unless a metal plate upon which -

- (a) the net power of the engine in kilowatts as determined in terms of the Code of Practice referred to in subregulation (1)(vi) (denoted as 'P');
- (b) the gross combination mass in kilograms (denoted as 'GCM'); and
- (c) the permissible maximum drawing vehicle mass referred to in regulation 105(c) (denoted as 'D'),

clearly imprinted or stamped, is affixed to such tractor in an accessible place.

Manner in which goods shall be conveyed

107. Notwithstanding regulations 91 and 102, no person shall operate on a public road a motor vehicle conveying any goods -

- (a) in such manner as to cause any part of such vehicle, excluding the wheels thereof, or such goods so conveyed to come into contact with the surface of the road on which the vehicle is being operated : Provided that the one end of a chain, known as a 'static chain' and attached to such motor vehicle, may come into contact with the surface of such road;
- (b) in such manner as to obscure the driver's view of traffic to the front or to either side of him or her, or his or her view of traffic reflected in any rear-view mirror of the vehicle;
- (c) which are not -
 - (i) safely contained within the body of such vehicle; or

- (ii) securely fastened to such vehicle,
and which are not properly protected from being dislodged or spilled from such vehicle;
- (d) including a canopy, enclosure, trellis or roofrack, or any other structure attached to the body or roof of the motor vehicle, if such vehicle is a motor car, minibus, bus or goods vehicle of less than 3 500 kilograms tare and if the height of such goods measured from the highest point of such roof or the roof of such goods vehicle driver's cabin, exceeds 50 per cent of the height of the motor vehicle, measured from the ground level to the highest point of the roof of the motor vehicle : Provided that this regulation shall not apply to a motor vehicle conveying only pedal cycles on the roof of such motor vehicle : Provided further that the maximum height prescribed by regulation 91 shall in no instance be exceeded, irrespective of whether a pedal cycle or any other item is conveyed;
- (e) in any container provided with 'twist locks', unless such container is securely fastened to the vehicle by means of not less than four such 'twist locks', and this paragraph shall also apply to empty containers conveyed on a motor vehicle.

Circumstances under which persons may be conveyed on goods vehicle

107A. (1) No person shall, subject to subregulation (2), operate on a public road a goods vehicle conveying any person unless that portion of the vehicle in which such person is being conveyed is enclosed to a height of -

- (a) if such person so being conveyed is seated, not less than 350 millimetres above the surface upon which such person is seated; or
- (b) if such person so being conveyed is standing, not less than 900 millimetres above the surface on which such person is standing,

in a manner and with a material of sufficient strength to prevent such person so being conveyed from falling from such vehicle when it is in motion.

(2) Subregulation (1) shall not apply to employees being conveyed in the course of their employment, or to or from a workplace or workstation.

Determining of massloads of individual axles

107B. In the application of these regulations, the massloads of all the individual axles of -

- (a) an axle unit may be added to determine the total massload of such axle unit;

- (b) a group of axles may be added to determine the total massload of such group of axles;
 - (c) a vehicle may be added to determine the total massload of such vehicle;
or
 - (d) a combination of vehicles may be added to determine the total massload of such combination of vehicles.”.
6. The following regulation is substituted for regulation 182 of the Regulations :
- “182. Any person who contravenes or fails to comply with -
- (a) any of the provisions of regulation 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 98 or 99 or 99A or 99B or 99C or 99D or 100 or 101 or 102 or 102A or 103 or 104 or 107 or 107A, as the case may be, shall be guilty of an offence and on conviction be liable to a fine not exceeding N\$ 20 000 or to imprisonment for a period not exceeding two years or to both such fine and such imprisonment; or
 - (b) any of the provisions of any of the regulations not mentioned in paragraph (a), shall be guilty of an offence and on conviction be liable to a fine not exceeding N\$ 4 000 or to imprisonment for a period not exceeding one year or to both such fine and such imprisonment.”.
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