# AFRICAN STANDARD

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# **Vehicle homologation**



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### Introduction

This standard sets minimum homologation requirements for vehicles which are to be manufactured or imported into African countries as from the dates specified in the standard and to the levels of the UN ECE Regulations specified in this standard.

A transition period to include further UN-ECE Regulations will be introduced during the 5-year review of the standard considering progress made by member states.

The intention of the transition period is to start off by introducing a set of minimum standards that will allow the relevant stakeholders (i.e. manufacturers, testing facilities, approval authorities, governments...etc) to implement systems and processes to be able to meet these and the future requirements to enhance vehicle safety, facilitate international and inter-regional trade.

# Vehicle homologation

### 1 Scope

- 1.1 This African Standard covers the homologation requirements for new motor vehicles categories not previously registered or licensed in any country.
- 1.2 This standard does not apply to:
  - Vehicles designed and constructed for use principally on construction sites or in quarries, port or airport facilities,
  - b) vehicles designed and constructed for use by the military services, civil defence, fire-fighting services and forces responsible for maintaining public order,
  - c) mobile machinery,
  - experimental or prototype vehicles constructed or imported for the purpose of testing, assessment or development, and
  - e) motor vehicles designed or adapted principally for the purposes of motor sport competition, and which are homologated under the rules of the International Federation of the Automobile (FIA) and for which such homologation documentation is lodged with the relevant Approval Authority.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ECE/TRANS/WP.29/78/Rev.6, Consolidated Resolution on the Construction of Vehicles (R.E.3)

ARS 1379, Definitions and classifications of power-driven vehicles and trailers

### 3 Terms, definitions and abbreviations

### 3.1 Definitions

For the purpose of this standard, the definitions in ECE/TRANS/WP.29/78/Rev.6 and ARS 1379, and the following apply.

### 3.1.1

### approval authority

technical authority responsible for assessing design compliance of vehicle models and recommending to the appropriate authority that units of a compliant model may be registered and licensed for operation on a public road

### 3.1.2

### distributor

any person who receives motor vehicles for the purposes of selling them to other organizations for the purposes of resale

### 3.1.3

### homologation

presentation to the approval authority of evidence of compliance of a product to certain legislated design requirements for that product and the acceptance of such evidence by the approval authority denoted by the issue of a Certificate of Homologation in accordance with this specification

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### 3.1.4

### importer

any person who imports motor vehicles into the country for the purposes of selling them or operating them

### 3.1.5

### manufacturer

a person who manufactures or assembles or modifies motor vehicles for the purposes of selling them or of selling the modification

### 3.1.6

### mobile machinery

any mobile machine, transportable equipment or vehicle with or without bodywork or wheels, not intended for the transport of passengers or goods on roads, and includes machinery installed on the chassis of vehicles intended for the transport of passengers or goods on road

### 3.1.7

### 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 a market.

The approval 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:

- 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, diesel, LPG, LNG or CNG engines, or electric drive line, and manual and automatic transmissions;
- c) minor variations in profile, such as front air dams or rear spoilers;
- d) air management systems;
- e) different number of doors;
- f) sleeper cabs on trucks;
- g) wheelbase variations;
- h) cargo body or equipment fitted to a truck and that has no effect on compliance, and
- i) number of driven axles.

If a vehicle is manufactured in several 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.

### 3.1.8

### Whole Vehicle Type Approval

### WVTA

process used to ensure that motor vehicles intended to be placed on the market for consumers meet relevant environmental, safety and security standards (i.e. ECWVTA that refer to Regulations developed by the UN ECE Working Party 29, under the '1958 Agreement')

### 3.2 Abbreviations

For the purpose of this standard, the following abbreviations apply.

**CNG** Compressed Natural Gas

**ECWVTA** European Community Whole Vehicle Type Approval

FIA Federation Internationale de l'Automobile being the governing body of motor sport and which promotes safe, sustainable and accessible mobility for all road users across the world

LNG Liquefied Natural Gas

LPD Lateral Protection Device also referred to as the side underrun device

LPG Liquefied Petroleum Gas

**UN ECE** United Nations Economic Commission for Europe

### 4 Administrative requirements

### 4.1 Administrative measures

a) The importer or local manufacturer or distributor shall register with the approval authority and nominate a local person responsible for compliance and advise the approval authority of the position and competence of the nominee.

- b) The importer or local manufacturer or distributor involved in selling vehicles shall supply to the approval authority proof of authorization by the vehicle brand to handle the brand of vehicle being homologated for sale.
- c) The body responsible for arranging the selection, inspection and importation of a vehicle type shall be able to provide the approval authority with the documentation necessary to satisfy 4.4 before shipment of the vehicle type(s) or before local serial production is commenced.
- d) The vehicle manufacturer shall supply to the approval authority the declaration of conformity details listed in Annex C signed by an appropriately qualified representative of the vehicle manufacturer.
- e) All forms listed shall be completed and shall be submitted with the application for homologation for recording in the approval system, together with the appropriate fee.

### 4.2 Application form

The approval authority shall check that the Application Form in Annex B for Homologation of a New Type of Vehicle and the applicable Summary of Evidence and Model details form in Annex B1, B2 or B3 is fully relevant to the vehicle model concerned and obtain evidence that the steps detailed in 4.1 have been completed or at least initiated, and advise the applicant that homologation will not be issued unless the arrangements in 4.1 are completed.

### 4.3 Declaration of conformity

The applicant shall supply the declaration of conformity in Annex C with all details completed at the same time as the application form in Annex B except as provided for in 4.3.1.

### 4.3.1 Compliance with WVTA

In cases where the WVTA has been issued and is available relevant to the vehicle model under consideration the declaration form in Annex C may be omitted provided the WVTA is available or if certificates of conformity covering the units under consideration are available to the Approval Authority. If the WVTA is available and is provided, then test reports in 4.4 need not be provided.

### 4.4 Provision of E-Certificates or of test reports

E-Certificates or test reports applicable to the appropriate vehicle category and scope of the UN ECE Regulation as listed in 6 and performed by a laboratory which satisfies the criteria in 5 a) shall be supplied with the application in 4.2 to the approval authority except as provided for in 4.3.1.

### 4.5 Provision of a vehicle sample

On receipt of the above forms the applicant may be requested to make a sample of the vehicle model available for inspection.

### 4.6 Issuance of a Certificate of Homologation

When the approval authority has received all evidence that the requirements of this standard have been fulfilled and recorded in the approval system, and upon payment of any fees involved, the approval authority shall issue a Certificate of Homologation for the vehicle model.

### 5 Procedural matters regarding acceptance by the approval authority

Circumstances where the approval authority shall reject an application for homologation, or rescind an existing homologation:

- a) If any test report submitted as evidence of compliance has been performed by a laboratory which:
  - i) is not listed as a testing service to a Contracting Party to the appropriate UN ECE Agreement and appropriate UN ECE Regulation, or
  - ii) is not accredited to ISO 17025 to perform the test in question, or
- b) If examination of a sample of the vehicle model does not correspond with the information on the forms provided at the time of homologation or at any time subsequent to homologation.
- c) If any of the administrative measures under 4.1 have not been completed.
- d) If any of the applicable technical requirements in 6 have not been met.

### 6 Technical requirements

### 6.1 Requirements at introduction

Vehicle models manufactured, distributed or imported for sale on or after **1 September 2022** shall comply with the Technical Requirements of the UN ECE Regulations and their Series levels as specified in 6.1.1, 6.1.2 and 6.1.3 to enable the approval authority to issue a Certificate of Homologation for the vehicle model concerned.

Compliance with the Technical Requirements of any later level of the below UN ECE Regulations or new UN ECE Regulations replacing the below Regulations, shall constitute compliance with the required Regulations listed below.

NOTE 1: The scopes are shown by categories of vehicles, but some of them may be limited to a specific subcategory/class or to a minimum/maximum weight within the category.

NOTE 2: UN ECE Regulations are continuously adapted to the technical progress and their scope may be modified.

NOTE 3: For information, the amendment levels indicated below, and the latest levels applied in Europe before 01 January 2010 are shown in the last column of the Table in Annex A.

### 6.1.1 Vehicles of Category M & N

Vehicles of Category M & N shall comply with the requirements set in the Scope of the Regulations in Table 1.

Table 1 — Requirements for vehicles of Category M & N entering into service on or after 1 September 2022

Item	Sur	nmarised Description of UN ECE Regulation	UN ECE Regulation
	(for Of	ficial title of UN ECE Regulation refer Annex A)	and Level
1	Lights -	Head Lights	R112.00
		Front / Rear Position Light & Stop Light	R7.02
		Front / Side / Rear Direction Indicator Light	R6.01
		Reverse Light	R23.00
		Rear Reflector	R3.02
		Registration Plate Light	R4.00
2	Light Insta	llation – Applicable only for lights required above	R48.04
3	Steering B	ody Impact	R12.02

Item	Summarised Description of UN ECE Regulation	UN ECE Regulation
	(for Official title of UN ECE Regulation refer Annex A)	and Level
4	Brakes and Braking Equipment	R13.11 <sup>a</sup>
	Brakes and Braking Equipment	R13H.00 <sup>b</sup>
5	Restraining Device Anchorages	R14.05
6	Restraining Devices	R16.04
7	Seats and their Anchorages	R17.04
8	Audible Warning Device	R28.00
9	Tyres – Light Vehicles	R30.02
	Tyres – Commercial Vehicles	R54.00
10	Speedometer	R39.00
11	Windscreen and other Glass	R43.00
12	Rear View Mirrors	R46.02
13	Vehicle Emissions	R49.03 B1c
14	Sound Levels in Motion	R51.02
15	Towing Devices	R55.01
16	Rear Under Run Protection	R58.01
17	Strength of Super Structure	R66.01
18	Vehicle Emissions	R83.05 B <sup>d</sup>
19	Retro-reflective Markings	R104.00
20	Door Latches & Hinges	R11.03
21	Interior Fittings	R21.01
22	Fire Risks of vehicle	R34.03
23	Speed Limitation Devices	R89.00
24	Frontal Impact for M1 only	R94.01

a UN ECE R13.11 including Supplement 5 to the 11 Series of amendments as published as consolidated document UN ECE R13 Revision 7 dated 4 August 2011 with document number E/ECE/TRANS/505/Rev.1/Add.12/Rev.7 from the UN ECE.

- b UN ECE R13H.00 including all revisions up to Supplement 07 to the original version of the Regulation as published in UN ECE R13H Revision 1 Amendment 2 dated 11 November 2009 with document number E/ECE/TRANS/505/Rev.2/Add.12H/Rev.1/Amend.2 from the UN ECE.
- c UN ECE R49.03 level B1 is the Euro emission standard of Euro IV.
- d UN ECE R83.05 level B is the Euro emission standard of Euro IV.

### 6.1.2 Vehicles of Category O

Vehicles of Category O shall comply with the requirements set in the Scope of the Regulations in Table 2.

Table 2 — Requirements for vehicles of Category O entering into service on or after 1 September 2022

Item	Sumr	marised Description of UN ECE Regulation	UN ECE Regulation
	(for Offic	cial title of UN ECE Regulation refer Annex A)	and Level
1	Lights -	Rear Position Light & Stop Light	R7.02
		Rear Direction Indicator Light	R6.01
		Reverse Light	R23.00
		Side Marker Light	R91.00
		Rear Reflector	R3.02
		Registration Plate Light	R4.00
2	Light Instal	llation – Applicable only for lights required above	R48.04
3	Brakes and	d braking equipment	R13.08
4	Tyres – Lig	ght Vehicles	R30.02
	Tyres – Co	ommercial Vehicles	R54.00
5	Windscree	n and Other Glass	R43.00
6	Coupling D	Pevices	R55.01
7	Rear unde	r run protection	R58.01
8	Retro-refle	ctive markings	R104.00

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### 6.1.3 Vehicles of Category L

Vehicles of Category L shall comply with the requirements set in the Scope of the Regulations in Table 3.

Table 3 — Requirements for vehicles of Category L entering into service on or after 1 September 2022

Item	Summ	arised Description of UN ECE Regulation	UN ECE Regulation
	(for Offici	al title of UN ECE Regulation refer Annex A)	and Level
1	Lights -	Head Lights	R56.01
			R57.02
			R72.01
			R76.01
			R82.01
			R113.00
		All Secondary Lights	R50.00
		Rear Reflector	R3.02
2	Light Installa	tion – Applicable only for lights required above	R53.01
			R74.01
3	Audible warr	ning devices	R28.00
4	Speedomete	ers	R39.00
5	Windscreens	S	R43.00
6	Suppression	of noise emission -in motion	R9.06
			R41.03
			R63.01
7	Vehicle emis	ssions	R40.01
			R47.00
8	Brakes and	braking equipment	R78.03
9	Tyres		R75.00
			R88.00
10	Rear view m	nirrors	R81.00
3	Audible warı	ning devices	R28.00

### 6.2 Future Requirements

Vehicle models manufactured or imported for sale on or after **1 January 2028** shall comply with the Technical Requirements of the UN ECE Regulations and their Series levels as specified in Annex A to enable the approval authority to issue a Certificate of Homologation for the vehicle model concerned.

# Annex A (informative)

# Requirements for vehicles entering into service on or after 1 January 2028

UN Regulation	Title	77	$L_2$	<b>L</b> 3	<b>L</b> 4	L <sub>5</sub>	<b>7</b> e	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N,	$\mathcal{N}_2$	N <sub>3</sub>	0,	05	ဝိ	04	<b>1</b>	8	S	UN ECE Series Level
1 and 2	Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam and/or a driving-beam and equipped with filament lamps of categories R <sub>2</sub> and/or HS <sub>1</sub> Uniform provisions concerning								x	X	X	x	X	X								R1.02
	the approval of incandescent electric lamps for headlamps emitting an asymmetrical passing-beam or a driving- beam or both																					
 3	Uniform provisions concerning the approval of retro-reflecting devices for power-driven vehicles and their trailers	X	х	х	X	х	X	Х	х	х	x	х	x	X	х	х	х	x	х			R3.02
4	Uniform provisions concerning the approval of devices for the illumination of rear registration plates of power-driven vehicles and their trailers								х	X	x	х	X	X	X	X	X	X	х			R4.00
5	Uniform provisions concerning the approval of power-driven vehicle's "sealed beam" headlamps (SB) emitting a European asymmetrical passing-beam or a driving- beam or both																		X			R5.02
6	Uniform provisions concerning the approval of direction indicators for power-driven vehicles and their trailers	X	X	х	X	X	Х	Х	Х	х	x	х	x	x	х	x	x	X	х			R6.01
7	Uniform provisions concerning the approval of front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles (except motor cycles) and their trailers	X	X	x	X	X	X	х	x	X	x	х	X	X	x	x	x	X	x			R7.02

	UN Regulation	Title	77	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>L</b> 6	77	'W	M <sub>2</sub>	$M_3$	N,	N <sub>2</sub>	N <sub>3</sub>	0٬	05	03	04	<b>1</b>	R	S	UN ECE Series Level
	8	Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with halogen filament lamps (H <sub>1</sub> , H <sub>2</sub> , H <sub>3</sub> , HB <sub>3</sub> , HB <sub>4</sub> , H <sub>7</sub> , H <sub>8</sub> , H <sub>9</sub> , HIR <sub>1</sub> , HIR <sub>2</sub> and/or H <sub>11</sub> )								X	X	X	X	X	X								R8.05
	9	Uniform provisions concerning the approval of category L <sub>2</sub> , L <sub>4</sub> and L <sub>5</sub> vehicles with regard to noise		x		X	Х																R9.06
	10	Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility	X	x	Х	Х	Х	х	x	Х	X	X	Х	X	X	х	x	X	x				R10.03
aly 2027	11	Uniform provisions concerning the approval of vehicles with regard to door latches and door retention components								Х			х										R11.03
OII TOUT JULY	12	Uniform provisions concerning the approval of vehicles with regard to the protection of the driver against the steering mechanism in the event of impact								х			х										R12.02
	13	Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking									X	х	Х	X	X	х	x	X	X				R13.11ª
	13-H	Uniform provisions concerning the approval of passenger cars with regard to braking								X			x										R13H00 <sup>b</sup>
	14	Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages, ISOFIX anchorages systems, ISOFIX top tether anchorages and i- Size seating positions								x	X	x	x	X	X								R14.05
	15	This UN Regulation is obsolete																					N/A

UN Regulation	Title	۲,	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>7</b> e	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	$M_3$	١N	$\mathcal{N}_2$	N <sub>3</sub>	0,	O	O³	04	1	R	S	UN ECE Series Level
16	Uniform provisions concerning the approval of:  I. Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles  II. Vehicles equipped with safety-belts, safety-belt reminder, restraint systems, child restraint systems, ISOFIX child restraint systems and i-Size child restraint systems		Х		X	x	X	X	x	X	X	X	X	X	X	X	X	X	X			R16.04
17	Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints								х	х	X	X	х	х								R17.04
18	Uniform provisions concerning the approval of motor vehicles with regard to their protection against unauthorized use									x	x		x	x								R18.02
19	Uniform provisions concerning the approval of power-driven vehicle front fog lamps			х	Х	х		Х	х	x	X	X	х	х					x			R19.02
20	Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with halogen filament lamps (H <sub>4</sub> lamps)								x	X	X	X	X	X								R20.02
21	Uniform provisions concerning the approval of vehicles with regard to their interior fittings								x													R21.01
22	Uniform provisions concerning the approval of protective helmets and their visors for drivers and passengers of motor cycles and mopeds																					R22.05
23	Uniform provisions concerning the approval of reversing and manoeuvring lamps for power- driven vehicles and their trailers								х	X	X	Х	x	х	х	х	X	х	Х			R23.00

UN Regulation	Title	۲,	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>L</b> 6	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N	M <sub>2</sub>	M <sub>3</sub>	0,	O <sub>2</sub>	Õ	04	Ţ	8	S	UN ECE Series Level
24	Uniform provisions concerning: I. The approval of compression ignition (C.I.) engines with regard to the emission of visible pollutants II. The approval of motor vehicles with regard to the installation of C.I. engines of an approved type III. The approval of motor vehicles equipped with C.I. engines with regard to the emission of visible pollutants by the engine IV. The measurement of power of C.I. engine	x	X	X	X	X	x	x	x	X	X	X	X	X								R24.03
25	Uniform provisions concerning the approval of head restraints (headrests), whether or not incorporated in vehicle seats		X		X	X	x	X	x	X	X	x	X	X								R25.04
26	Uniform provisions concerning the approval of vehicles with regard to their external projections								х													R26.03
27	Uniform provisions for the approval of advance-warning triangles																					R27.03
28	Uniform provisions concerning the approval of audible warning devices and of motor vehicles with regard to their audible signals			х	X	X			Х	х	X	Х	х	х								R28.00
29	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants of the cab of a commercial vehicle											х	x	x								R29.01
30	Uniform provisions concerning the approval of pneumatic tyres for motor vehicles and their trailers								х			Х			Х	X						R30.02

UN	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> <sub>5</sub>	$L_6$	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	$M_3$	١N	N <sub>2</sub>	N <sub>3</sub>	0،	O <sup>2</sup>	O³	04	7	R	S	UN ECE Series Level
31	Uniform provisions concerning the approval of power-driven vehicle's halogen sealed-beam headlamps (HSB) emitting an European asymmetrical passing beam or a driving beam or both								x	X	×	X	X	X					x			R31.02
32	Uniform provisions concerning the approval of vehicles with regard to the behaviour of the structure of the impacted vehicle in a rear-end collision								х													R32.00
33	Uniform provisions concerning the approval of vehicles with regard to the behaviour of the structure of the impacted vehicle in a head-on collision								х													R33.00
34	Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks								х	X	x	Х	X	X	Х	x	X	X				R34.03
35	Uniform provisions concerning the approval of vehicles with regard to the arrangement of foot controls								х													R35.00
36	Uniform provisions concerning the approval of large passenger vehicles with regard to their general construction									X	x											R36.03
37	Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers	х	Х	Х	X	х	Х	Х	х	х	X	х	X	х	х	x	X	Х	х			R37.03
38	Uniform provisions concerning the approval of rear fog lamps for power-driven vehicles and their trailers			X	Х	Х		Х	х	X	X	Х	X	X	Х	х	X	Χ	х			R38.00
39	Uniform provisions concerning the approval of vehicles with regard to the speedometer equipment including its installation	х	X	X	X	X	Х	х	х	X	X	х	х	x								R39.00

UN Regulation	Title	L <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	L4	<b>L</b> 5	<b>7</b> e	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0,	0	ဝိ	04	7	R	S	UN ECE Series Level
40	Uniform provisions concerning the approval of motor cycles equipped with a positive- ignition engine with regard to the emission of gaseous pollutants by the engine			X	X	X																R40.01
41	Uniform provisions concerning the approval of motor cycles with regard to noise			x																		R41.02
42	Uniform provisions concerning the approval of vehicles with regard to their front and rear protective devices (bumpers, etc.)								х													R42.00
43	Uniform provisions concerning the approval of safety glazing materials and their installation on vehicles	х	Х	Х	Х	X	Х	X	х	X	х	х	X	X	х	x	X	x	Х			R43.00
44	Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles ("Child Restraint System")																					R44.04
45	Uniform provisions concerning the approval of headlamp cleaners, and of power-driven vehicles with regard to headlamp cleaners	х	Х	Х	X	Х	х	Х	х	X	х	х	X	х					х			R45.01
46	Uniform provisions concerning the approval of devices for indirect vision, and of motor vehicles with regard to the installation of these devices	х	Х	Х	Х	Х	х	Х	х	Х	х	х	X	х								46.02
47	Uniform provisions concerning the approval of mopeds equipped with a positive- ignition engine with regard to the emission of gaseous pollutants by the engine	х	X																			R47.00
48	Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices								x	Х	х	х	X	х	х	х	х	x				R48.04

On 18th July 2024

UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	L4	<b>L</b> 5	<b>7</b> 6	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0,	O <sup>2</sup>	ဝိ	04	7	R	S	UN ECE Series Level
49	Uniform provisions concerning the measures to be taken against the emission of gaseous and particulate pollutants from compressionignition engines and positive ignition engines for use in vehicles								х	X	X	X	X	X								R49.03B1
50	Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for vehicles of category L	x	X	X	X	X	X	X														R50.00
51	Uniform provisions concerning the approval of motor vehicles having at least four wheels with regard to their sound emissions								х	X	X	х	X	X								R51.02
52	Uniform provisions concerning the approval of M <sub>2</sub> and M <sub>3</sub> small capacity vehicles with regard to their general construction									Х	X											R52.01
53	Uniform provisions concerning the approval of category L <sub>3</sub> vehicles with regard to the installation of lighting and lightsignalling devices			Х																		R53.00
54	Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers									x	x	х	X	х			X	X				R54.00
55	Uniform provisions concerning the approval of mechanical coupling components of combinations of vehicles								х	х	x	х	X	X	х	X	X	X				R55.01
56	Uniform provisions concerning the approval of headlamps for mopeds and vehicles treated as such	х	Х																			R56.00
57	Uniform provisions concerning the approval of headlamps for motor cycles and vehicles treated as such			X	х	Х	x	X														R57.01

	UN Regulation	Title	77	<b>L</b> 2	<b>L</b> <sub>3</sub>	<b>L</b> 4	<b>L</b> 5	<b>7</b> 6	<b>L</b> <sub>7</sub>	Μ1	M <sub>2</sub>	$M_3$	N,	M <sub>2</sub>	N <sub>3</sub>	0,	0	O³	04	7	R	S	UN ECE Series Level
	58	Uniform provisions concerning the approval of:  I. Rear underrun protective devices (RUPDs)  II. Vehicles with regard to the installation of a RUPD of an approved type  III. Vehicles with regard to their rear underrun protection (RUP)												X	X			X	x				R58.01
	59	Uniform provisions concerning the approval of replacement silencing systems								X			X										R59.00
y 2027	60	Uniform provisions concerning the approval of two-wheeled motor cycles and mopeds with regard to driver-operated controls including the identification of controls, tell- tales and indicators	×		X																***************************************		R60.00
OII IOUI OUIS	61	Uniform provisions concerning the approval of commercial vehicles with regard to their external projections forward of the cab's rear panel											X	X	X								R61.00
	62	Uniform provisions concerning the approval of power-driven vehicles with handlebars with regard to their protection against unauthorized use	X	X	Х	X	X	X	X														R62.00
	63	Uniform provisions concerning the approval of two-wheeled mopeds with regard to noise	X																				R63.01
	64	Uniform provisions concerning the approval of vehicles with regard to their equipment which may include: a temporary use spare unit, run flat tyres and/or a run flat- system, and/or a tyre pressure monitoring system								x			x										R64.01
	65	Uniform provisions concerning the approval of special warning lamps for power-driven vehicles and their trailers	X	Х	X	X	Х	х	x	Х	X	X	Х	X	X	X	Х	X	X	Х			R65.00

UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> <sub>3</sub>	L4	<b>L</b> 5	$L_6$	<b>L</b> <sub>7</sub>	₩,	$M_2$	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0,	0	03	04	7	R	S	UN ECE Series Level
66	Uniform provisions concerning the approval of large passenger vehicles with regard to the strength of their superstructure									Х	X											R66.01
67	Uniform provisions concerning the approval of:  I. Specific equipment of vehicles of category M and N using liquefied petroleum gases in their propulsion system  II. Vehicles of category M and N fitted with specific equipment for the use of liquefied petroleum gases in their propulsion system with regard to the installation of such equipment								x	X	X	x	X	X								R67.00
68	Uniform provisions concerning the approval of power-driven vehicles including pure electric vehicles with regard to the measurement of the maximum speed								x			x										R68.00
69	Uniform provisions concerning the approval of rear marking plates for slow-moving vehicles (by construction) and their trailers								Х	Х	X	x	X	X	х	X	X	X	х			R69.01
70	Uniform provisions concerning the approval of rear marking plates for heavy and long vehicles									x	x			X	x	X	X	X				R70.01
71	Uniform provisions concerning the approval of agricultural tractors with regard to the driver's field of vision																		Х			R71.00
72	Uniform provisions concerning the approval of motor cycle headlamps emitting an asymmetrical passing-beam and a driving-beam and equipped with halogen filament lamps (HS <sub>1</sub> lamps)			x	X	X																R72.00

	UN Regulation	Title	۲٦	<b>L</b> 2	L <sub>3</sub>	L4	<b>L</b> <sub>5</sub>	97	<b>L</b> <sub>7</sub>	M <sub>1</sub>	$M_2$	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0,	0	Õ	04		R	S	UN ECE Series Level
	73	Uniform provisions concerning the approval of:  I. Vehicles with regard to their lateral protection devices (LPD)  II. Lateral protection devices (LPD)  III. Vehicles with regard to the installation of LPD of an approved type according to Part II of this Regulation							***************************************					X	×		***************************************	X	X				R73.00
	74	Uniform provisions concerning the approval of category L <sub>1</sub> vehicles with regard to the installation of lighting and light- signalling devices	Х																				R74.00
,	75	Uniform provisions concerning the approval of pneumatic tyres for motor cycles and mopeds	Х	Х	Х	X	Х																R75.00
	76	Uniform provisions concerning the approval of headlamps for mopeds emitting a driving- beam and a passing-beam	x	X				X															R76.00
	77	Uniform provisions concerning the approval of parking lamps for power-driven vehicles								х	x	х	х	х	X					х			R77.00
	78	Uniform provisions concerning the approval of vehicles of category L <sub>1</sub> , L <sub>2</sub> , L <sub>3</sub> , L <sub>4</sub> and L <sub>5</sub> with regard to braking	х	х	X	X	Х																R78.03
	79	Uniform provisions concerning the approval of vehicles with regard to steering equipment								х	x	х	х	х	X	x	х	x	х				R79.01
	80	Uniform provisions concerning the approval of seats of large passenger vehicles and of these vehicles with regard to the strength of the seats and their anchorages									X	x											R80.01

	UN Regulation	Title	<b>L</b> 1	<b>L</b> 2	<b>L</b> 3	L <sub>4</sub>	<b>L</b> 5	<b>7</b> 6	<b>L</b> <sub>7</sub>	M <sub>1</sub>	$M_2$	$M_3$	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	0,	0	o³	04	Ţ	R	S	UN ECE Series Level
	81	Uniform provisions concerning the approval of rear-view mirrors of two-wheeled power- driven vehicles with or without side car, with regard to the mounting of rear-view mirrors on handlebars	x	X	X	X	X	X	X														R81.00
	82	Uniform provisions concerning the approval of moped headlamps equipped with filament halogen lamps (HS <sub>2</sub> )	х	х				Х															R82.00
	83	Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements								х	X		х	х									R83.05B <sup>d</sup>
. = 0 = 0 = 1	84	Uniform provisions concerning the approval of power-driven vehicles equipped with internal combustion engines with regard to the measurement of fuel consumption								X			X										R84.00
	85	Uniform provisions concerning the approval of internal combustion engines or electric drive trains intended for the propulsion of motor vehicles of categories M and N with regard to the measurement of the net power and the maximum 30 minutes power of electric drive trains								Х	X	X	Х	X	X								R83.00
	86	Uniform provisions concerning the approval of agricultural or forestry vehicles with regard to the installation of lighting and light-signalling devices																		X			R86.00
	87	Uniform provisions concerning the approval of daytime running lamps for power-driven vehicles	x	X	X	X	Х	Х	x	Х	Х	X	Х	X	X					х			R87.00
	88	Uniform provisions concerning the approval of retroreflective tyres for two-wheeled vehicles	х																				R88.00

UN Regulation	Title	77	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> <sub>5</sub>	<b>7</b> 9	<b>L</b> <sub>7</sub>	<i>™</i>	$M_2$	$M_3$	N,	M <sub>2</sub>	N <sub>3</sub>	0،	o <sup>z</sup>	ဝိ	04	1	R	S	UN ECE Series Level
89	Uniform provisions concerning the approval of:  I. Vehicles with regard to limitation of their maximum speed or their adjustable speed limitation function  II. Vehicles with regard to the installation of a speed limitation device (SLD) or adjustable speed limitation device (ASLD) of an approved type  III. Speed limitation devices (SLD) and adjustable speed limitation devices (SLD)								X	X	X	X	X	X								R89.00
 90	Uniform provisions concerning the approval of replacement brake lining assemblies, drum- brake linings and discs and drums for power-driven vehicles and their trailers	X	X	X	X	X	X	X	Х	X	X	X	X	X	X	X	X	X				R90.01
 91	Uniform provisions concerning the approval of side-marker lamps for motor vehicles and their trailers								X	X	X	Х	X	X	X	X	X	X	Х			R91.00
92	Uniform provisions concerning the approval of non-original replacement exhaust silencing systems (RESS) for motorcycles, mopeds and three-wheeled vehicles	X	X	X	X	X																R92.00
93	Uniform provisions concerning the approval of: I. Front underrun protective devices (FUPDs) II. Vehicles with regard to the installation of an FUPD of an approved type III. Vehicles with regard to their front underrun protection (FUP)												X	X								R93.00
94	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision								х													R94.01

UN Regulation	Title	<b>L</b> 1	<b>L</b> 2	<b>L</b> 3	L <sub>4</sub>	<b>L</b> 5	<b>7</b> 6	<b>L</b> <sub>7</sub>	<i>™</i>	$M_2$	$M_3$	١N	$N_2$	N <sub>3</sub>	0،	02	03	04	L	8	S	UN ECE Series Level
95	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a lateral collision								X			X										R95.02
96	Uniform provisions concerning the approval of compression ignition (C.I.) engines to be installed in agricultural and forestry tractors and in nonroad mobile machinery with regard to the emissions of pollutants by the engine																		X			R96.02
97	Uniform provisions concerning the approval of vehicle alarm systems (VAS) and of motor vehicles with regard to their alarm systems (AS)								х			х										R97.01
98	Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas- discharge light sources			X					Х	X	X	X	X	X								R98.00
99	Uniform provisions concerning the approval of gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles								Х	X	х	х	х	Х								R99.00
100	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train								Х	Х	X	Х	Х	X								R100.00

UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>7</b> 8	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N,	M <sub>2</sub>	N <sub>3</sub>	0,	o O	03	04	7	R	S	UN ECE Series Level
101	Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range and of categories M <sub>1</sub> and N <sub>1</sub> vehicles powered by an electric power train only with regard to the measurement of electric energy consumption and electric range								x			x										R101.00
102	Uniform provisions concerning the approval of: I. A close-coupling device (CCD) II. Vehicles with regard to the fitting of an approved type of CCD												X	x			x	x				R102.00
103	Uniform provisions concerning the approval of replacement pollution control devices for power-driven vehicles contents								x			x										R103.00
104	Uniform provisions concerning the approval of retro-reflective markings for vehicles of category M, N and O									X	x	х	X	X		x	x	x				R104.00
105	Uniform provisions concerning the approval of vehicles intended for the carriage of dangerous goods with regard to their specific construction features											х	X	x		x	x	X				R105.04
106	Uniform provisions concerning the approval of pneumatic tyres for agricultural vehicles and their trailers																		x			R106.00
107	Uniform provisions concerning the approval of category M <sub>2</sub> and M <sub>3</sub> vehicles with regard to their general construction									х	Х											R107.02

UN Regulation	Title	77	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>L</b> 6	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N,	N,	N <sub>3</sub>	0,	0,	03	04	7	8	S	UN ECE Series Level
108	Uniform provisions concerning the approval for the production of retreated pneumatic tyres for motor vehicles and their trailers								х			х			х	Х						R108.00
109	Uniform provisions concerning the approval for the production of retreated pneumatic tyres for commercial vehicles and their trailers									х	х	х	X	х			х	х				R109.00
110	Uniform provisions concerning the approval of:  I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system  II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system								х	Х	x	х	X	x								R110.00
111	Uniform provisions concerning the approval of tank vehicles of categories N and O with regard to rollover stability												Х	X			X	Х				R111.00
112	Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with filament lamps and/or Light-Emitting Diode (LED) modules	X	X	X	X	X	х	X	х	X	X	х	X	X					х			R112.00
113	Uniform provisions concerning the approval of motor vehicle headlamps emitting a symmetrical passing-beam or a driving-beam or both and equipped with filament, gas-discharge light sources or LED modules		X	X	X	X	х	X											x			R113.00

UN Regulation	Title	77	<b>L</b> 2	<b>L</b> 3	L4	<b>L</b> 5	<b>7</b> e	<b>L</b> <sub>7</sub>	M <sub>1</sub>	$M_2$	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0٬	05	ဝိ	04	7	R	S	UN ECE Series Level
114	Uniform provisions concerning the approval of:  I. An airbag module for a replacement airbag system;  II. A replacement steering wheel equipped with an airbag module of an approved type;  III. A replacement airbag system other than that installed in a steering wheel								x	X	X	×	X	X								R114.00
115	Uniform provisions concerning the approval of:  I. Specific LPG (liquefied petroleum gases) retrofit systems to be installed in motor vehicles for the use of LPG in their propulsion system;  II. Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system								x	X	X	X	X	X								R115.00
116	Uniform technical prescriptions concerning the protection of motor vehicles against unauthorized use								x			Х										R116.00
117	Uniform provisions concerning the approval of tyres with regard to rolling sound emissions and/or adhesion on wet surfaces and/or rolling resistance								X	X	x	X	x	X	X	x	x	X				R117.01
118	Uniform technical prescriptions concerning the burning behaviour and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles										x											R118.00
119	Uniform provisions concerning the approval of cornering lamps for power-driven vehicles								Х	X	X	Х	X	X					х			R119.00

UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	$L_6$	<b>L</b> <sub>7</sub>	M <sub>1</sub>	$M_2$	$M_3$	N1	N <sub>2</sub>	N <sub>3</sub>	0,	0	03	<b>O</b> 4	7	R	S	UN ECE Series Level
120	Uniform provisions concerning the approval of internal combustion engines to be installed in agricultural and forestry tractors and in non-road mobile machinery, with regard to the measurement of the net power, net torque and specific fuel consumption																		X			R120.00
121	Uniform provisions concerning the approval of vehicles with regard to the location and identification of hand controls, tell-tales and indicators								x	Χ	X	х	X	X								R121.00
122	Uniform technical prescriptions concerning the approval of vehicles of categories M, N and O with regard to their heating systems								х	Χ	X	x	X	X	Х	Χ	X	X				R122.00
123	Uniform provisions concerning the approval of Adaptive Front- lighting Systems (AFS) for motor vehicles								x	X	X	x	X	x								R123.00
124	Uniform provisions concerning the approval of wheels for passenger cars and their trailers								х						Х	X						R124.00
125	Uniform provisions concerning the approval of motor vehicles with regard to the forward field of vision of the motor vehicle driver								х													R125.00
126	Uniform provisions concerning the approval of partitioning systems to protect passengers against displaced luggage, supplied as non-original vehicle equipment								х													R126.00

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UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> 3	<b>L</b> 4	<b>L</b> 5	<b>7</b> e	<b>L</b> <sub>7</sub>	M <sub>1</sub>	$M_2$	M <sub>3</sub>	N,	N <sub>2</sub>	N <sub>3</sub>	0,	0	ဝိ	04	7	R	S	UN ECE Series Level
127	Uniform provisions concerning the approval of motor vehicles with regard to their pedestrian safety performance											x										New since 2010
128	Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers	x	X	X	X	Х	x	X	x	X	x	x	X	X	x	x	x	X	х			New since 2010
129	Uniform provisions concerning the approval of enhanced Child Restraint Systems used on board of motor vehicles (ECRS)																					New since 2010
130	Uniform provisions concerning the approval of motor vehicles with regard to the Lane Departure Warning System (LDWS)									X	X		X	х								New since 2010
131	Uniform provisions concerning the approval of motor vehicles with regard to the Advanced Emergency Braking Systems (AEBS)									X	X		X	X								New since 2010
132	Uniform provisions concerning the approval of Retrofit Emission Control Devices (REC) for heavy duty vehicles, agricultural and forestry tractors and non-road mobile machinery equipped with compression ignition engines									X	x	x	X	X					x			New since 2010
133	Uniform provisions concerning the approval of motor vehicles with regard to their reusability, recyclability and recoverability								х			х										New since 2010
134	Uniform provisions concerning the approval of motor vehicles and their components with regard to the safety-related performance of Hydrogen- Fuelled Vehicles (HFCV)								х			х										New since 2010
135	Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)								х	<b>X</b> *		х	<b>X</b> *									New since 2010

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UN Regulation	Title	<b>L</b> <sub>1</sub>	<b>L</b> 2	<b>L</b> <sub>3</sub>	L4	<b>L</b> <sub>5</sub>	<b>L</b> 6	<b>L</b> <sub>7</sub>	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N	N <sub>2</sub>	N <sub>3</sub>	0,	O <sup>2</sup>	o³	04	7	R	S	UN ECE Series Level
136	Uniform provisions concerning the approval of vehicles of category L with regard to specific requirements for the electric power train	х	Х	X	Х	X	х	Х														New since 2010
137	Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system								х													New since 2010
138	Uniform provisions concerning the approval of Quiet Road Transport Vehicles with regard to their reduced audibility (QRTV)								х			х										New since 2010
139	Uniform provisions concerning the approval of passenger cars with regard to Brake Assist Systems (BAS)								х			х										New since 2010
140	Uniform provisions concerning the approval of passenger cars with regard to Electronic Stability Control (ESC) Systems								х			х										New since 2010
141	Uniform provisions concerning the approval of vehicles with regard to their Tyre Pressure Monitoring Systems (TPMS)								х			x										New since 2010
142	Uniform provisions concerning the approval of motor vehicles with regard to the installation of their tyres								х			х										New since 2010
143	Uniform provisions concerning the approval of Heavy Duty Dual-Fuel Engine Retrofit Systems (HDDF-ERS) to be installed on heavy duty diesel engines and vehicles										x			х								New since 2010

UN ECE R13.11 including Supplement 5 to the 11 Series of amendments as published as consolidated document UN ECE R13 Revision 7 dated 4 August 2011 with document number E/ECE/TRANS/505/Rev.1/Add.12/Rev.7 from the UN ECE.

UN ECE R13H.00 including all revisions up to Supplement 07 to the original version of the Regulation as published in UN ECE R13H Revision 1 Amendment 2 dated 11 November 2009 with document number E/ECE/TRANS/505/Rev.2/Add.12H/Rev.1/Amend.2 from the UN

UN ECE R49.03 level B1 is the Euro emission standard of Euro IV. С

UN ECE R83.05 level B is the Euro emission standard of Euro IV.

1. Vehicle details

# Annex B

(informative)

# Application form for homologation of a new model type of vehicle

### **APPLICATION FOR HOMOLOGATION**

Category and description:					
Make:					
2 Applicantia detaila					
2. Applicant's details  Manufacturer's name:					
Address:					
Distributor or Importer's nam	e:				
Name of the person appointed	ed by the local body as the repre	esentative or F	roxy:		
Address:				Code	<del>)</del> :
Postal Address:	-			Code	e:
Requested Homologation da	ite:				
Sample vehicle availability da	ate:				
Intended vehicle model intro	duction date:				
Contact person's name:					
Telephone no.:		Cell no.:			
E-mail:		1			
Model Assembly Condition:	CBU	SKD	CKD		Local
sample vehicle on the public tests may be conducted in or confidential, please mask all	by particular requirements with regreat road whilst it is at the premises order to verify compliance, if considentity marks prior to submissions.	s of the Approv sidered necess ion of vehicle.	al Authorit sary. If the	y, as ce e sample	rtain non-destructive e vehicle identity is
Terms and conditions  1) Applications will not be accept 2) The appropriate fees must accept	pted if all the details are not supplie ccompany this application.	ed			
I hereby certify that the informall the variants of the vehicle	mation contained herein is comp model.	plete and corre	ct in all re	spects a	and is representative of
Signature:	Name:				
Title:	Date: _				

# Annex B1 (informative)

# Compliance summary of evidence for the homologation of vehicles of Categories M & N

MAKE	
MODEL	
VARIANTS	
VEHICLE	
CATEGORY	

	Item	Requirements	Compliance Standards UN ECE	Test Report/Certificate Number	Test Approval/ Authority Name	Country of Approval test	Date of test or report or compliance certification	Change symbol Ф
-	1	Lights						
•		Head lights						
5		- Main beam	R112.00					
)		- Dipped beam	R112.00					
-		Secondary lights						
5		- Front position light	R7.02					
		- Rear position light	R7.02					
2024		- Stop light S1	R7.02					
2024		- Front direction light	R6.01					
, 0		- Rear direction light	R6.01					
18th July		<ul> <li>Side direction indicator</li> </ul>	R6.01					
2		- Reverse light	R23.00					
8		- Rear reflector	R3.02					
2 -		- Reg Plate light	R4.00					
On (	2	Light Installation	R48.04					
)	3	Steering Body Impact	R12.02					
	4	Brakes and braking	R13.11					
		equipment	R13H.00					
	5	Restraining Device Anchorages	R14.05					
)	6	Restraining Devices	R16.04					
	7	Seats and their Anchorages	R17.04					
	8	Audible Warning Device	R28.00					
$\hat{\Sigma}$	9	Tyres – Light Vehicles	R30.02					
		Tyres – Commercial Vehicles	R54.00					
	10	Speedometer	R39.00					
2	11	Windscreen and Other Glass	R43.00					
•	12	Rear View Mirrors	R46.02					
•	13	Vehicle Emissions	R49.03 B1					
•	14	Sound Levels in Motion	R51.02					
•	15	Towing Devices	R55.01					
	16	Rear Under Run Protection	R58.01					
	17	Strength of Super Structure	R66.01					
	18	Vehicle Emissions	R83.05 B					
	19	Retro-reflective Markings	R104.00					
	20	Door Latches & Hinges	R11.03					

# ARS 1595:2021

Item	Requirements	Compliance Standards UN ECE	Test Report/Certificate Number	Test Approval/ Authority Name	Country of Approval test	Date of test or report or compliance certification	Change symbol Ф
21	Interior Fittings	R21.01					
22	Fire Risks of vehicle	R34.03					
23	Speed Limitation Devices	R89.00					
24	Frontal Impact for M1 only	R94.01					

### 2. Change Details

z. Onunge Details		
Item	Remarks	Change Symbol Φ

On 18th July 2024

# Motor vehicle model details for the homologation of vehicles of Categories M & N

							T					
1.	APPLICANT'S	REFEREN	NCE No:				ISSUE DATE:					
2.	Vehicle mo	del details										
Make:												
Model:												
Catego	ry:											
3.	Variant ide	ntification a	and vehicle d	escription	(use No.	1 for Variant)						
Variant No	Variant identif	fication			Vehicle Description							
1											Ø	
2												
3												
4	Typical veh	nicle identif	ication numb	ers								
Variant No					cation – [	Description suffic	cient to enable obse	erver to r	ead the	e number	Change Symbol Ø	
1												
2												
3												
5.	Typical eng	gine numbe	er									
Variant No		ımber	Location – Description sufficient to enable observer to read the number									
1											Ø	
2												
3												
6.	Major dime	ensions										
					D	escription						
Variant No	Length mm	Width mm	n Whee		Height mm	Rear overhang mm	Minimum Turning Radius m	Axle spac m	ing	Steering axle spacing m	Change Symbol Ø	
1								-		-		
2												
3												
7.	Doors and	seats									, ,	
Variant					D	escription					Change	
No		Number o					al number of seatin	g positio			Symbol Ø	
	Side		Rea	r		Standard	Option 1			Option 2	ש	
1							-			-		
2												

NOTE: Place change symbol against item revised or added and describe details of design change in section 19.

8. Front and Rear Axles

3

# ARS 1595:2021

Variant No Total number of axles fitted with dual tyres Number of steer only axles Number of drive only axles Number of steer drive axles  1	Chang Symbo
2         3         9.         Mass Data           9.         Mass Data         Description           Variant No         Tare mass of variant (kg)         Gross vehicle mass (kg)         Gross combination mass (kg)         Gross axle mass – front mass - rear (kg)         Gross axle/axle-unit mass - rear (kg)	
9.         Mass Data           Description           Variant No         Tare mass of variant (kg)         Gross vehicle mass (kg)         Gross combination mass (kg)         Gross axle mass – Gross axle/axle-unit mass - rear (kg)	
9. Mass Data  Variant No (kg) (kg) (kg) (kg)  Description  Gross combination Gross axle mass – Gross axle/axle-unit mass front mass - rear	
Variant No     Tare mass of variant (kg)     Gross vehicle mass (kg)     Gross combination mass (kg)     Gross axle mass – front mass - front mass - rear (kg)	
Variant No     Tare mass of variant     Gross vehicle mass     Gross combination mass     Gross axle mass – front     Gross axle/axle-unit mass – rear       (kg)     (kg)     (kg)     (kg)     (kg)	
No Tare mass of variant Gross vehicle mass mass front mass - rear (kg) (kg) (kg) (kg) (kg)	
	Chang Symbo
1	
2	
3	
10. Engine options	
Variant No Capacity (cm³) Cylinder & Configuration, e.g. V8, Flat 4 (F4) in Line 4 (L4) Configuration, e.g. V8, Flat 4 (F4) in Line 4 (L4) Configuration, e.g. V8, Flat 4 (F4) in Line 4 (L4) Configuration, e.g. Petrol (P), diesel (D), LP gas (LP), electric (E) or other (specify) Configuration, e.g. Net engine power SABS 013 kW/rpm SABS 013 kW/rpm number of carburettors (SC)	Chang Symbo
1	
2	
3	
11. Transmission options	
Transmission Variant No – Enter, S – Standard, O – Optional	Chang
Type   Description   1   2   3   4   5   6   7   8   9   10	Symbo Ø
Manual 6 Speed, Manual Transmission	<del></del>
Auto	
12. Suspension (not required for category M1, and N1, models and for M2 models with a GVM <2500kg 12.1 Front suspension options	
Variant No Description	Chang Symbo Ø
12.2 Pear suggestions entities	
12.2 Rear suspension options  Variant Type Description	Chang

NOTE: Place change symbol against item revised or added and describe details of design change in section 19.

Type

No

Symbol

Ø

Description

13. Lights and reflectors – for 1-2 variants

Lights/Reflect	ctors		Change		Lights/Reflecto	rs		Change
Description	Number	Colour	symbol Ф	Description		Number	Colour	Symbol Ø
Main Beam	2	CLEAR		Rear fog I	ight	0	-	
Dipped beam	2	CLEAR			Front	0	-	
Front fog lamp	2	CLEAR		Parking light	Rear	0	-	
Reversing light	2	CLEAR		ligiit	Side	0	-	
Direction indicator, front	2	AMBER		End-outlin	End-outline marker light – Front		-	
Direction indicator, rear	2	AMBER		End-outlin	e marker light – Rear	0	-	
Direction indicator, side	2	AMBER		Rear retro	-reflector	2	RED	
Hazard warning signal	6	AMBER		Front retro	o-reflector	0	•	
Stop light-S1	2	RED		Side retro	-reflector	0	-	
High Mounted Stop lamp-S3	1	RED		Day runnii	Day running light		CLEAR	
Rear registration plate light	2	CLEAR		Chevron		0	-	
Front position (side) light	2	CLEAR						
Rear position (side) light	2	RED						·

14. Rear view mirrors and wheel flaps

Variant No	Description (S – Standard, O – Optional, N – Available)											
		Fittir	Fitting of v	Change   Symbol								
	Internal	External RH side	External LH side	Close proximity	Wide angle	Front	Rear	Ø				
1												
2												
3												

15. Brakes

10.	Diakes							
Variant No	Service brake: Mechanical (M) Hydraulic (HYD) Other (specify)	Thickness, r diameter and ventilated	meter and nm (DI), drum width, mm (DR), (V) or non- (N) brakes  Rear	Power assistance: e.g. full air, air over hydraulic, vac over hydraulic, hydraulic power, electric, others	Park brake type: Mechanical (M) or other (specify)	Anti-lock system	Prop valve: Load sensing (L) G valve (G) pressure deducing (P) pressure limiting (L)	Change Symbol Ø
1								
2								
3								

16. Tyre and rim information (not required for category M1 and N1 models and for M2 models with GVM ≤ 2 500 kg)

		Rim size	Whee	l track	Variant No – Enter, S – Standard, O – Optional, N – Not available										
Tyre	Tyre designation	Offset (mm)	F (mm)	R (mm)	1	2	3	4	5	6	7	8	9	10	Change Symbol Ø
Α		_													
В															

## ARS 1595:2021

17. Additional options available for variants which could relate to compliance

Description	Variant No – Enter, S – Standard, O – Optional, N – Not available										Change Symbol
Description	1	2	3	4	5	6	7	8	9	10	Ø

18.	Additional general information

19.	Change details	
Change symbol Ф	Description of change	Date

#### 20. Photographs

Photographs may be in black and white or in colour and may be of any size between the minimum of 85 mm x 50 mm and the maximum, A4 size. Alternatively, brochures may be supplied.

Photographs shall show a ¾ front and a ¾ rear view of opposite sides of the vehicle and be identified on the reverse side by make, model, variant number and manufacturer's reference or document which is attached.

REQUIREMENT	Variant No.										Symbol Ø
	1	2	3	4	5	6	7	8	9	10	
Are Four photos of each variant attached (Enter Y for Yes, N for no)											
If No, and it is claimed that the photos of another variant are representative, then indicate that variant number											

Vehicle PICTURES

# Annex B2 (informative)

## Compliance summary of evidence for the homologation of vehicles of Categories O

MAKE	
MODEL	
VARIANTS	
VEHICLE	
CATEGORY	

Item	Requirements	Compliance Standard UN ECE	Test Report/Certificate Number	Test Approval/ Authority Name	Country of Approval test	Date of test or report or compliance certification	Change symbol Ф
1	Secondary lights						
	- Rear position light	R7.02					
	- Stop light S1	R7.02					
	- Rear direction light	R6.01					
	- Reverse light	R23.00					
	- Side Marker light	R91.00					
	- Side reflector	R3.02					
	- Rear reflector	R3.02					
	- Reg Plate light	R4.00					
2	Light Installation	R48.04					
3	Brakes and braking equipment	R13.08					
4	Tyres – Light Vehicles	R30.02					
	Tyres – Commercial Vehicles	R54.00					
5	Windscreen and Other Glass	R43.00					
6	Coupling Devices	R55.01					
7	Rear under run protection	R58.01					
8	Retro-reflective markings	R104.00					

### 2. Change Details

Item	Remarks	Change Symbol Φ

## ARS 1595:2021

## Motor vehicle model details for the homologation of vehicles of Categories O

1.	APPLICANT'S REFE	RENCE No:					18	SSUE DATE:		
2.	Vehicle model det	ails								
Make:										
Model:										
Categor	y:									
	Rigid Drawbar	Rotating	g Drawbar		Semi-Traile	r	Inte	rlink		
3.	Variant identification	on and vehicle de	escription (	use No.	1 for Variant)		·			
Variant No	Variant identification			Vehicle Description						
1										
2										
3										
4	Typical vehicle ide	entification number	ers	U.					•	
Variant No	Typical vehicle identi			ation – Description sufficient to enable observer to read the number						
1									Ø	
2										
3										
5.	Major dimensions									
				De	escription				Oh	
Variant No	Length mm	Widtl	ı	W	heelbase mm	0	Rear verhang mm	Axle unit spacing m	Change Symbol Ø	
1										
2										
3										
6.	Front and Rear Ax	des								
Variant				De	escription				Change	
No	Total number o	f axles fitted	Numbe	er of axle	es fitted with dua	al tyres	Number	of steer only axles	Symbol Ø	
1										
2									1	
3										
NOTE:	Place change symbol a	against item revised o	r added and	describe de	etails of design char	nae in secti	on 19.			

7. Mass Data

		Desc	ription		01
Variant No	Tare mass of variant	Gross vehicle mass	Gross axle mass – front	Gross axle/axle-unit mass - rear	Change Symbol Ø
	(kg)	(kg)	(kg)	(kg)	~
1					
2					
3					

8. Suspension

8.1 Front suspension options

Variant No	Туре	Description	Change Symbol Ø
1			
2			
3			

8.2 Rear suspension options

Variant No	Туре	Description	Change Symbol Ø
1			
2			
3			

9. Lights and reflectors – for all variants

Lights/Refle	ectors		Change	Lights/Reflect	Change		
Description	Number	Colour	symbol Ф	Description	Number	Colour	Symbol Ø
Reversing light				Rear fog light			
Direction indicator, rear				Parking light - Rear			
Side Marker Lights				End-outline marker light – Rear			
Hazard warning signal				Rear retro-reflector			
Stop light-S1				Front retro-reflector			
Rear registration plate light				Side retro-reflector			
Rear position (side) light	Rear position (side) light			Chevron			

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10.	Brakes							
Variant No	Service brake: Mechanical (M) Hydraulic (HYD) Other (specify)	(N) brakes Front Rear		Power assistance: e.g. full air, air over hydraulic, vac over hydraulic, hydraulic power, electric, others	Park brake type: Mechanical (M) or other (specify)	Anti-lock system	Prop valve: Load sensing (L) G valve (G) pressure deducing (P) pressure limiting (L)	Change Symbol Ø
1								
2								
3								

11. Tyre and rim information (not required for category M1 and N1 models and for M2 models with GVM ≤ 2 500 kg) Variant No – Enter, S – Standard, O – Optional, N – Not available Rim size Wheel track Change Tyre Tyre Offset F R 1 2 3 5 6 7 8 9 4 10 Symbol designation (mm) (mm) (mm) Ø Α В

18. Additional general information

19. Change details

Change symbol Description of change Date

Φ

### 20. Photographs

representative, then indicate that variant number

Photographs may be in black and white or in colour and may be of any size between the minimum of 85 mm x 50 mm and the maximum, A4 size. Alternatively, brochures may be supplied.

Photographs shall show a ¾ front and a ¾ rear view of opposite sides of the vehicle and be identified on the reverse side by make, model, variant number and manufacturer's reference or document which is attached.

REQUIREMENT  Are Four photos of each variant attached (Enter Y for Yes, N for no)  If No, and it is claimed that the photos of another variant are	Variant No.										
	1	2	3	4	5	6	7	8	9	10	
(Enter Y for Yes, N for no)										<u> </u>	
If No, and it is claimed that the photos of another variant are										ĺ	

Vehicle PICTURES

# Annex B3 (informative)

## Compliance summary of evidence for the homologation of vehicles of Categories L

MAKE							
MODEL							
VARIANTS							
VEHICLE CATEGORY	L1	L2	L3	L4	L5	L6	L7

Item	Requirements	Compliance Standard UN ECE	Test Report/Certificate Number	Test Approval/ Authority Name	Country of Approval test	Date of test or report or compliance certification	Change symbol Ф
1	Lights						
	Head lights	R56.01 R57.02 R72.01 R76.01 R82.01 R113.00					
	Secondary lights	R50.00					
	- Rear reflector	R3.02					
2	Light Installation	R53.01 R74.01					
3	Audible warning devices	R28.00					
4	Speedometers	R39.00					
5	Windscreens	R43.00					
6	Suppression of noise emission -in motion	R9.06 R41.03 R63.01					
7	Vehicle emissions	R40.01 R47.00					
8	Brakes and braking equipment	R78.03					
9	Tyres	R75.00 R88.00					
10	Rear view mirrors	R81.00					

2. Change Details

Item	Remarks	Change Symbol Φ

## Motor vehicle model details for the homologation of vehicles of Categories L

1.	APPLICANT'S REFER	PLICANT'S REFERENCE No: ISSUE DATE:										
2.	Vehicle model detail	ils										
Make:	volliolo model dotal											
Model:												
Catego	ry: L1	L2		L3	L4		L5	L6	L7			
3.	Variant identification	a and vahiala da	esciption (u	uaa Na	1 for \/orient\			<u> </u>				
Variant No		Tanu venicie de	sscription (u	156 110.	Tiol valiant)	Ve	ehicle Descript	ion	Char Sym	nbol		
1												
2												
3												
4	Typical vehicle iden	tification number	ers									
Variant No				tion – [	Description suffic	cient to en	able observer	to read the number	Char Sym	nbol		
1												
2												
3												
5.	Typical engine num	ber										
Variant No	Typical engine (underline cast ch		Location – Description sufficient to enable observer to read the number							inge nbol Ø		
1												
2												
3												
6.	Major dimensions											
	,			D	escription				Ob a			
Variant No	Length mm	Widtl		W	/heelbase mm	0'	Rear verhang mm	Height mm	Char Sym	nbol		
1												
2												
3												
7.	Seats											
\/ori==1				D	escription				Cha			
Variant No			Total		r of seating posi	tions			Sym	nbol		
	Standar	rd		(	Option 1			Option 2	Į (	Ø		
1					-	-		-				
2												
3												

### ARS 1595:2021

8. Mass Data

		Description										
Variant No	Tare mass of variant Gross vehicle mass		Gross axle mass – front	Gross axle mass - rear	Gross axle mass – Side-car	Change Symbol Ø						
	(kg)	(kg)	(kg)	(kg)	(kg)	,						
1												
2												
3												

9. Transmission options

	Transmission		Variant No – Enter, S – Standard, O – Optional									Change
Type	Type Description			3	4	5	6	7	8	9	10	Symbol Ø
Manual	6 Speed, Manual Transmission											
Auto												

10. Lights and reflectors – for all variants

Lights/Refle	Lights/Reflectors				Lights/Reflectors						
Description	Number	Colour	symbol Ф		Description Number Colour						
Main beam				Rear fog I	ight						
Dipped beam				Parking Front							
Front position light				light	Rear						
Direction indicator Front					Side						
Direction indicator Rear				Stop light							
Hazard warning signal				Rear Registration plate light							
Front Fog Light(OPTION)				Rear position light Rear Retro reflector							
Day Running Light											
Side Retro reflector											

11. Rear view mirrors and Mudguard

	Description (S - Standard, O - Optional, N - Available)								
Variant	Fitting of rear	-view mirrors	Fitting of Mudguards						
No	External RH side			Rear					
1									
2									
3									

12. Brakes

Variant No	Service brake: Mechanical (M) Hydraulic (HYD) Other (specify)	Disk diameter and Thickness, mm (DI), drum diameter and width, mm (DR), ventilated (V) or non-ventilated (N) brakes  Front Rear		Power assistance: e.g. full air, air over hydraulic, vac over hydraulic, hydraulic power, electric, others	Park brake type: Mechanical (M) or other (specify)	Anti-lock system	Prop valve: Load sensing (L) G valve (G) pressure deducing (P) pressure limiting (L)	Change Symbol Ø
1								
2								
3								

13.	Tyre and Rim information														
		Rim size	Whee	Wheel track		Variant No – Enter, S – Standard, O – Optional, N – Not available									
Tyre	Tyre designation	Offset (mm)	F (mm)	R (mm)	1	2	3	4	5	6	7	8	9	10	Change Symbol Ø
Α															
В															
С															

14.	Additional general information	
		_
		_

15.	Change details		
Change symbol	Description of change		
б	Description of change	Date	
,			
	<del> </del>		

#### 16. Photographs

Photographs may be in black and white or in colour and may be of any size between the minimum of 85 mm x 50 mm and the maximum, A4 size. Alternatively, brochures may be supplied.

Photographs shall show a ¾ front and a ¾ rear view of opposite sides of the vehicle and be identified on the reverse side by make, model, variant number and manufacturer's reference or document which is attached.

REQUIREMENT	Variant No.										Change Symbol Ø
	1	2	3	4	5	6	7	8	9	10	
Are Four photos of each variant attached (Enter Y for Yes, N for no)											
If No, and it is claimed that the photos of another variant are representative, then indicate that variant number											

Note: Although the variants shown below could be either left hand drive or right hand drive variants, all variants offered for sale in the country has to comply with the Compulsory Vehicle Standards and may be restricted to be only right hand drive in countries that drive on the left side of the road or only left hand drive in countries that drive on the right side of the road.

# Annex C (informative)

## **Declaration of Compliance by the Manufacturer**

The manufacturer concerned must supply the following declaration:

The following units of the vehicle model under consideration for homologation have been manufactured under the quality management system detailed below, audited periodically by the certifying authority detailed below.

These units of the model comply with the requirements of this standard and E-Certificates or Test Reports have been issued or completed for the applicable Regulations listed in Annex A applicable to this model and the test reports have been conducted by a testing laboratory understood to be acceptable to the approval authority in that the laboratory satisfies the criteria in 5 a).

Vehicle Model under consideration
Quality Management System
Organization which audits and certifies the QMS:
Date of last audit:
Units of the model under consideration are identified by their VIN's listed below:
Signed
Name
Position
Date

### **Bibliography**

- [1] Acknowledgement for the source of the document used as Annex A as follows: Brussels, 28 March 2019 Council of the European Union Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on type-approval requirements for motor vehicles and their trailers, and systems, components and separate technical units intended for such vehicles, as regards their general safety and the protection of vehicle occupants and vulnerable road users, amending Regulation (EU) 2018/... and repealing Regulations (EC) No 78/2009, (EC) No 79/2009 and (EC) No 661/2009
- [2] Acknowledgement is accorded to the publication issued by the Dutch authority RDW for the information contained in their publication entitled: "RDW, Entry dates ECE Regulations, Release Date; 09-03-2020" and to the Guidelines contained therein.

#### **Acknowledgement and Appreciation**

This African standard was harmonised under the project titled:

"Harmonisation of African Standards for the Automotive Industry to facilitate Intra-African Trade" 14th April 2019 – 16th June 2021

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ARS 1595:2021 Vehicle homologation Issued by ARSO to New Vehicle Task of the IWG on SCUNV for reference On 18th July 2024