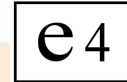


THE NETHERLANDS  
(N E D E R L A N D)



## DESIGNATION

RDW, as the competent Administrative Department (Approval Authority) for the Netherlands, to grant approvals for vehicles, technical units and components as mentioned in Directive 2007/46/EC, Regulation (EU) 2018/858, Regulation (EU) 168/2013, Regulation (EU) 167/2013 and the 1958 Agreement (Rev.3) of the Economic Commission for Europe of the United Nations (ECE),


herewith designates the Technical Service (Laboratory):

**Dekra Certification B.V.**  
**Meander 1051**  
**6825 MJ Arnhem**

**Netherlands**

The subjects covered by this designation: See Annex

**Designation number** : RDWT-M12-07  
**Category** : A-B-D  
**ECE code** : 4/B  
**Validity ends** : 01-07-2027  
**Place** : Zoetermeer  
**Date** : 14-07-2022  
**Signature** : On behalf of the management of RDW,

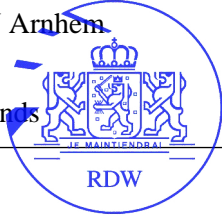


A. de Rooij,  
Manager Designation & Surveillance

## ANNEX

The name and location of branch offices and /or laboratories covered by this designation:

Dekra Certification B.V. Meander 1051 6825 MJ Arnhem Netherlands	
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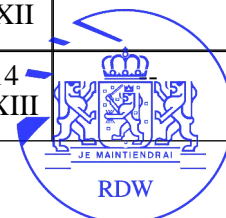


List according to Commission Implementing Regulation (EU) 901/2014, Annex I, Part B, Table 1, List I, II, III, as last amended by Commission Implementing Regulation (EU) 2016/1825, implementing Regulation (EU) 168/2013, Annex II.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
0	EC type-approval (WVTA)	2002/24	--	--				
0	EU type-approval (WVTA)	--	168/2013	--				
A01	Environmental test procedures related to exhaust emissions, evaporative emissions, greenhouse gas emissions, fuel consumption and reference fuels	--	134/2014 Annex II-VIII	--				
A02	Maximum design vehicle speed, maximum torque, maximum continuous total engine power of propulsion	--	134/2014 Annex X-XI	--				
A03	Test procedures related to sound	--	134/2014 Annex IX	--				
B01	Audible warning devices	--	3/2014 Annex II	--				
B02	Requirements applying to braking, including anti-lock and combined braking systems	--	3/2014 Annex III	--				
B03	Electrical safety	--	3/2014 Annex IV	--				
B04	Manufacturer declaration requirements regarding endurance testing of functional safety systems, parts and equipment	--	3/2014 Annex V	--				
B05	Front and rear protective structures	--	3/2014 Annex VI	--				
B06	Glazing, windscreen wipers and washers, defrosting and demisting devices	--	3/2014 Annex VII	--				
B07	Driver-operated controls including identification of controls, tell-tales and indicators	--	3/2014 Annex VIII	--				
B08	Installation of lighting and light signalling devices, including automatic switching-on of lighting	--	3/2014 Annex IX	--				
B09	Rearward visibility	--	3/2014 Annex X	--				
B10	Rollover protective structure (ROPS)	--	3/2014 Annex XI	--				
B11	Safety belt anchorages and safety belts	--	3/2014 Annex XII	--				
B12	Seating position (saddles and seats)	--	3/2014 Annex XIII	--				
B13	Steer-ability, cornering properties and turn-ability	--	3/2014 Annex XIV	--				

List according to Commission Implementing Regulation (EU) 901/2014, Annex I, Part B, Table 1, List I, II, III, as last amended by Commission Implementing Regulation (EU) 2016/1825, implementing Regulation (EU) 168/2013, Annex II.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
B14	Installation of tyres	--	3/2014 Annex XV	--				
B15	Vehicle maximum speed limitation plate and location on vehicle	--	3/2014 Annex XVI	--				
B16	Vehicle occupant protection, including interior fittings, head restraint and vehicle doors	--	3/2014 Annex XVII	--				
B17	Maximum continuous rated or net power and/or vehicle speed limitation by design	--	3/2014 Annex XVIII	--				
B18	Vehicle structure integrity	--	3/2014 Annex XIX	--				
C01	Anti-tampering measures	--	44/2014 Annex II	--				
C02	Arrangements for type-approval procedures	--	44/2014 Annex III	--				
C03	Conformity of production requirements	--	44/2014 Annex IV	--				
C04	Coupling devices and attachments	--	44/2014 Annex V	--				
C05	Devices to prevent unauthorised use	--	44/2014 Annex VI	--				
C06	Electromagnetic compatibility (EMC)	--	44/2014 Annex VII	--				
C07	External projections	--	44/2014 Annex VIII	--				
C08	Fuel storage	--	44/2014 Annex IX	--				
C09	Load platforms	--	44/2014 Annex X	--				
C10	Masses and dimensions	--	44/2014 Annex XI	--				
C11	On-board diagnostics (OBD)	--	44/2014 Annex XII	--				
C12	Passenger handholds and footrests	--	44/2014 Annex XIII	--				



List according to Commission Implementing Regulation (EU) 901/2014, Annex I, Part B, Table 1, List I, II, III, as last amended by Commission Implementing Regulation (EU) 2016/1825, implementing Regulation (EU) 168/2013, Annex II.

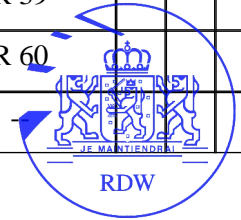
Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
C13	Registration plate space	--	44/2014 Annex XIV	--				
C14	Repair and maintenance information	--	44/2014 Annex XV	--				
C15	Stands	--	44/2014 Annex XVI	--				
X	Sound level motorcycles	--	--	R 41				
X	Rear view mirrors for motor vehicles	--	--	R 46				
X	Electromagnetic compatibility	--	--	R 10				
X	Specific requirements for the electric power train	--	--	R 136				
X	Emission of gaseous pollutants by motorcycles	--	--	R 40				
X	Braking system	--	--	R 78				
X	Installation of lighting and light-signalling devices for L3 vehicles	--	--	R 53				
X	Installation of lighting and light signalling devices (mopeds)	--	--	R 74				
X	Audible Warning Devices	--	--	R 28				
X	Motorcycle mirrors	--	--	R 81				
X	Motorcycle Anti-Theft	--	--	R 62				
X	Safety-belts	--	--	R 16				
X	Speedometers and Odometers	--	--	R 39				
X	ID of controls (motorcycle)	--	--	R 60				
X	Moped Emissions	--	--	R 47				
X	Safety glazing	--	--	R 43				
X	Mechanical Couplings	--	--	R 55				
X	Hydrogen-fuelled vehicles of categories L1, L2, L3, L4 and L5 incorporating compressed hydrogen storage system on its safety-related performance.	--	--	R 146 Part III				
X	Vehicles of category L2, L4 and L5 vehicles with regard to sound emission	--	--	R 9				

List according to Commission Implementing Regulation (EU) 901/2014, Annex I, Part B, Table 1, List I, II, III, as last amended by Commission Implementing Regulation (EU) 2016/1825, implementing Regulation (EU) 168/2013, Annex II.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
X	Vehicles of category L1 with regard to sound emission	--	--	R 63				
X	Non-original replacement exhaust silencing systems (NORESS) for vehicles of categories L1, L2, L3, L4 and L5 with regard to sound emission	--	--	R 92				
Z18	Maximum torque and maximum net power of engine	95/1	--	--				
Z19	Anti-tampering measures for mopeds and motorcycles	97/24 7	--	--				
Z20	Fuel tank	97/24 6	--	--				
Z25	Maximum design speed of vehicle	95/1	--	--				
Z26	Masses and dimensions	93/93	--	--				
Z27	Coupling devices and their attachments	97/24 10	--	--				
Z28	Anti-air pollution measures	97/24 5	--	R 40, R 47				
Z29	Tyres	97/24 1, Annex III	--	--				
Z31	Braking system	93/14	--	R 78				
Z32	Installation of lighting and light-signalling devices	2009/67	--	R 53, R 74				
Z33	Lighting and light-signalling devices	97/24 2	--	--				
Z34	Audible warning devices	93/30	--	R 28				
Z35	Position for the mounting of rear registration plate	2009/62	--	--				
Z36	Electromagnetic compatibility	97/24 8	--	--				
Z37	Sound level and exhaust system	97/24 9	--	--				
Z38	Rear-view mirror(s)	97/24 4	--	R 81				
Z39	External projections	97/24 3	--	--				
Z40	Stand (except in the case of vehicles having three or more wheels)	2009/78	--	--				
Z41	Devices to prevent unauthorised use of the vehicle	93/33	--	R 62				
Z42	Windows; windscreen wipers; windscreen washers; and so on	97/24 12	--	--				
Z43	Passenger hand-hold for two-wheel vehicles	2009/79	--	--				
Z44	Anchorage points for safety belts and safety belts	97/24 11	--	R 16				

List according to Commission Implementing Regulation (EU) 901/2014, Annex I, Part B, Table 1, List I, II, III, as last amended by Commission Implementing Regulation (EU) 2016/1825, implementing Regulation (EU) 168/2013, Annex II.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
Z45	Speedometers	2000/7	--	R 39				
Z46	Identification of controls, tell-tales and indicators	2009/80	--	R 60				
Z47	Statutory inscriptions	2009/139	--					



List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
0	EC type-approval (WVTA)	2003/37	--	--				
00	Type-approval of small series (NKS)	Regeling Voertuigen	--	--				
000	EU type-approval (WVTA)	--	167/2013	--				
001	Vehicle structure integrity	--	2015/208 Annex II	--				
002	Maximum design speed, speed governor and speed limitation devices	--	2015/208 Annex III	R 89				
003	Braking devices and trailer brake coupling	--	2015/68 Annex I-XIII	--				
004	Steering for fast tractors	--	2015/208 Annex IV	R 79				
005	Steering	--	2015/208 Annex V	--				
006	Speedometer	--	2015/208 Annex VI	--				
007	Field of vision and windscreen wipers	--	2015/208 Annex VII	--				
008	Glazing	--	2018/208 Annex VIII	R 43				
009	Rear-view mirrors	--	2015/208 Annex IX	R 46				
010	Driver information systems	--	2015/208 Annex X	--				
011	Lighting, light signalling devices and their light sources	--	2015/208 Annex XI	--				
012	Requirements on lighting installations	--	2015/208 Annex XII	R 48				
013	Vehicle occupant protection, including interior fittings, head restraint, seat belts, vehicle doors	--	2015/208 Annex XIII	--				
014	Vehicle exterior and accessories	--	2015/208 Annex XIV	--				
015	Electro-magnetic compatibility	--	2015/208 Annex XV	R 10				



List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
016	Audible warning device	--	2015/208 Annex XVI	R 28				
017	Heating systems	--	2015/208 Annex XVII	R 122				
018	Devices to prevent unauthorised use	--	2015/208 Annex XVIII	R 18				
019	Registration plate	--	2015/208 Annex XIX	--				
020	Statutory plate and marking	--	2015/208 Annex XX	--				
021	Dimensions and trailer mass	--	2015/208 Annex XXI	--				
022.	Maximum laden mass	--	2015/208 Annex XXII	--				
023	Ballast masses	--	2015/208 Annex XXIII	--				
024	Safety of electrical systems	--	2015/208 Annex XXIV	--				
025	Fuel tank	--	2015/208 Annex XXV	--				
026	Rear protective structures	--	2015/208 Annex XXVI	--				
027	Lateral protection	--	2015/208 Annex XXVII	R 73				
028	Load platforms	--	2015/208 Annex XXVIII	--				
029	Towing devices	--	2015/208 Annex XXIX	--				

List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
030	Tyres	--	2015/208 Annex XXX	--				
031	Spray-suppression systems	--	2015/208 Annex XXXI	--				
032	Reverse gear	--	2015/208 Annex XXXII	--				
033	Tracks	--	2015/208 Annex XXXIII	--				
034	Mechanical couplings	--	2015/208 Annex XXXIV	R 55				
035	ROPS (dynamic testing)	--	1322/2014 Annex VI	--				
036	ROPS (track laid)	--	1322/2014 Annex VII	--				
037	ROPS (static testing)	--	1322/2014 Annex VIII	--				
038	ROPS, Front-mounted (narrow-track tractors)	--	1322/2014 Annex IX	--				
039	ROPS, Rear-mounted (narrow-track tractors)	--	1322/2014 Annex X	--				
040	FOPS, Falling Objects Protection Structure	--	1322/2014 Annex XI	--				
041	Passenger seats	--	1322/2014 Annex XII	--				
042	Driver's exposure to noise level	--	1322/2014 Annex XIII	--				
043	Driving seat and position	--	1322/2014 Annex XIV	--				
044	Operating space, access to the driving position	--	1322/2014 Annex XV	--				
045	Power take-offs	--	1322/2014 Annex XVI	--				

List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

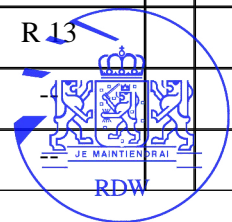
Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
046	Protection of drive components	--	1322/2014 Annex XVII	--				
047	Seat-belt anchorages	--	1322/2014 Annex XVIII	--				
048	Safety belts	--	1322/2014 Annex XIX	--				
049	OPS, Protection against penetrating objects	--	1322/2014 Annex XX	--				
050	Exhaust system	--	1322/2014 Annex XXI	--				
051	Operators manual	--	1322/2014 Annex XXII	--				
052	Controls, including in particular emergency and automatic stop devices	--	1322/2014 Annex XXIII	--				
053	Protection against mechanical hazards other than the ones mentioned in Article 18(2)(a), (b), (g), (k), including protection against rupture of pipes carrying fluids and uncontrolled movement of the vehicle	--	1322/2014 Annex XXIV	--				
054	Guards and protective devices	--	1322/2014 Annex XXV	--				
055	Information, warnings and markings	--	1322/2014 annex XXVI	--				
056	Materials and products	--	1322/2014 Annex XXVII	--				
057	Batteries	--	1322/2014 Annex XXVIII	--				
058	Emergency exit	--	1322/2014 Annex XXIX	--				
059	Cab ventilation and filtration system	--	1322/2014 Annex XXIX	--				

List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
060	Burning rate of cab material	--	1322/2014 Annex XXIX	--				
061	Pollutant emissions	--	2015/96 Annex I-II	--				
061	Pollutant emissions	--	2018/985 Annex I-II	--				
062	Sound level (external)	--	2015/96 Annex III	--				
062	Sound level (external)	--	2018/985 Annex III	--				
1.1	Maximum laden mass	2009/63 I	--	--				
1.2	Registration plate	2009/63 II	--	--				
1.3	Fuel tank	2009/63 III	--	--				
1.4	Ballast masses	2009/63 IV	--	--				
1.5	Audible warning device	2009/63 V	--	R 28				
1.6	Sound level (external)	2009/63 VI	--	R 51				
10.1	ROPS (dynamic testing)	2009/57	--	--				
11.1.1	Pollutant emissions	77/537	--	R 96				
12.1	Driving seat	78/764	--	--				
13.1	Lighting installation	2009/61	--	R 86				
15.1	Coupling and reversing devices	2009/58	--	--				
16.1	ROPS (static testing)	2009/75	--	--				
17.1	Operating space, access to the driving position	80/720	--	--				
18.1	Power take-offs	86/297	--	--				
19.1	Rear-mounted ROPS (Narrow-track tractors)	86/298	--	--				
2.1	Maximum speed	2009/60 I/§1	--	--				
2.2	Load platforms	2009/60 I/§2	--	--				
20.1	Installation of the controls	86/415	--	--				
21.1	Front-mounted ROPS (Narrow-track tractors)	87/402	--	--				

List according to Commission Implementing Regulation (EU) 2015/504, Annex I, Part B, Table 1-1, List I, II, III and IV, as last amended by Commission Implementing Regulation (EU) 2018/986, implementing Regulation (EU) 167/2013, Annex I.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
22.1	Dimensions and towable mass	2009/144 I	--	--				
22.2	Glazing	2009/144 III	--	R 43				
22.3	Speed governor	2009/144 II,1	--	--				
22.4	Protection of drive components	2009/144 II,2	--	--				
22.5	Mechanical couplings	2009/144 IV	--	--				
22.6	Statutory plate	2009/144 V	--	--				
22.7	Trailer-brake coupling	2009/144 VI	--	--				
23.1	Pollutant emissions	2000/25	--	R 49, R 96				
24.1	Tyres	--	--	R 106				
26.1	Seat-belt anchorages	76/115	--	R 14				
3.1	Rear-view mirrors	2009/59	--	--				
4.1	Field of vision and windscreen wipers	2008/2	--	R 71				
5.1	Steering	2009/66	--	R 79				
6.1	Electromagnetic compatibility	2009/64	--	R 10				
7.1	Braking devices	76/432	--	R 13				
8.1	Passenger seats	76/763	--					
9.1	Sound level (internal)	2009/76	--					



## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
0.	EC type-approval (WVTA)	2007/46	--	--				
0.	EC type-approval of small series (KS)	2007/46	--	--				
0.	National type-approval of small series (NKS)	Regeling Voertuigen	--	--				
0.	Uniform provisions concerning the unlimited International Whole Vehicle Type Approval (U-IWVTA)	--	--	R 0				
0.	Uniform provisions concerning the limited International Whole Vehicle Type Approval (L-IWVTA)	--	--	R 0				
0.	EU type-approval (WVTA)	2018/858	--	--				
0.	EU type-approval of small series (KS)	2018/858	--	--				
0.	EU individual vehicle approvals (for TS only)	2018/858	--	--				
01.	Permissible sound levels	70/157	--	R 51				
01a.	Sound level	--	540/2014	R 51				
01a.	Replacement silencing systems	--	540/2014	R 59				
01a.	Acoustic Vehicle Alerting System (AVAS)	--	540/2014	R 138				
02.	Emissions	70/220	--	R 83				
02a.	Emissions (Euro 5 and 6) light-duty vehicles/access to information	--	715/2007	--				
03.	Fuel tanks	70/221	--	R 34				
03.	Rear protective devices	70/221	--	R 58				
03a.	Prevention of fire risk (Liquid fuel tanks)	2019/2144	--	R 34				
03b.	Rear underrun protective devices (RUPDs) installation.	2019/2144	--	R 58				
04.	Rear registration plate space	70/222	1003/2010	--				
04a.	Space for mounting and fixing rear registration plates	661/2009	1003/2010	--				
04a.	Space for mounting and fixing rear registration plates	2019/2144	2021/535 Annex III	--				
05.	Steering effort	70/311	--	R 79				
05a.	Steering equipment	2019/2144	--	R 79				
06.	Door latches and hinges	70/387	--	R 11				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
06a.	Vehicle access and manoeuvrability (steps, running boards and handholds)	661/2009	130/2012	--				
06a.	Vehicle access and manoeuvrability (steps, running boards and handholds)	2019/2144	2021/535 Annex III	--				
06b.	Door latches and door retention components	2019/2144	--	R 11				
07.	Audible warning device	70/388	--	R 28				
07a.	Audible warning devices and signals	2019/2144	--	R 28				
08	Indirect vision devices	2003/97	--	R 46				
08a.	Devices for indirect vision and their installation	2019/2144	--	R 46				
09.	Braking	71/320	--	R 13 / R 13-H				
09a.	Braking of vehicles and trailers	2019/2144	--	R 13				
09b.	Braking of passenger cars	2019/2144	--	R 13-H				
10.	Radio interference (EMC)	72/245	--	R 10				
10a.	Electromagnetic compatibility	2019/2144	--	R 10				
12.	Interior fittings	74/60	--	R 21				
12a.	Interior fittings	2019/2144	--	R 21				
13.	Anti theft	74/61	--	R 116, R 18, R 97				
13a.	Protection of motor vehicles against unauthorised use	2019/2144	--	R 18				
13b.	Protection of motor vehicles against unauthorised use	2019/2144	--	R 116				
14.	Protective steering	74/297	--	R 12				
14a.	Protection of the driver against the steering mechanism in the event of impact	2019/2144	--	R 12				
15.	Seat strength	74/408	--	R 17, R 80				
15a.	Seats, their anchorages and any head restraints	2019/2144	--	R 17				
15b.	Seats of large passenger vehicles	2019/2144	--	R 80				
16.	Exterior projections	74/483	--	R 26				
16a.	External projections	2019/2144	--	R 26				
17.	Speedometer/Reverse gear	75/443	--	R 39				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
17a.	Vehicle access and manouvability (reverse gear)	661/2009	130/2012	--				
17a.	Vehicle access and manouvability (reverse gear)	2019/2144	2021/535 Annex X	--				
17b.	Speedometer equipment including its installation	2019/2144	--	R 39				
18.	Plates (statutory, VIN)	76/114	19/2011	--				
18a.	Manufacturer's statutory plate and VIN	661/2009	19/2011	--				
18a.	Manufacturer's statutory plate and VIN	2019/2144	2021/535 Annex II	--				
19.	Seat belt anchorages	76/115	--	R 14				
19a.	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	2019/2144	--	R 14				
20.	Installation lighting and light signalling devices	76/756	--	R 48				
20a.	Installation of lighting and light-signalling devices on vehicles	2019/2144	--	R 48				
21.	Retroreflectors	76/757	--	R 3				
21a.	Retro-reflecting devices for power-driven vehicles and their trailers	2019/2144	--	R 3				
22.	End-outline, front-position(side), rear-position (side), stop, side marker, daytime running lamps	76/758	--	--				
22a.	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers	2019/2144	--	R 7				
22b.	Daytime running lamps for power-driven vehicles	2019/2144	--	R 87				
22c.	Side-marker lamps for motor vehicles and their trailers	2019/2144	--	R 91				
23.	Direction indicators	76/759	--	--				
23a.	Direction indicators for power-driven vehicles and their trailers	2019/2144	--	R 6				
24.	Rear registration plate lamps	76/760	--	--				
24a.	Illumination of rear-registration plates of power-driven vehicles and their trailers	2019/2144	--	R 4				
25.	Headlamps (including bulbs)	76/761	--	--				
25a.	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	2019/2144	--	R 31				



## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
25b.	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	2019/2144	--	R 37				
25c	Motor vehicle headlamps equipped with gas-discharge light sources	2019/2144	--	R 98				
25d.	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	2019/2144	--	R 99				
25e.	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	2019/2144	--	R 112				
25f.	Adaptive front-lighting systems (AFS) for motor vehicles	2019/2144	--	R 123				
26	Front fog lamps	76/762	--	R 19				
26a.	Power-driven vehicle front fog lamps	2019/2144	--	R 19				
27.	Towing hooks	77/389	1005/2010	--				
27a.	Towing device	661/2009	1005/2010	--				
27a.	Towing device	2019/2144	2021/535 Annex VII	--				
28	Rear fog lamps	77/538	--	R 38				
28a.	Rear fog lamps for power-driven vehicles and their trailers	2019/2144	--	R 38				
29	Reversing lamps	77/539	--	--				
29a	Reversing lights for power-driven vehicles and their trailers	2019/2144	--	R 23				
30.	Parking lamps	77/540	--	--				
30a.	Parking lamps for power-driven vehicles	2019/2144	--	R 77				
31.	Seat-belts and restraint systems	77/541	--	R 16				
31a.	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	2019/2144	--	R 16				
32.	Forward vision	77/649	--	R 125				
32a.	Forward field of vision	2019/2144	--	R 125				
33.	Identification of controls, tell-tales and indicators	78/316	--	R 121				
33a.	Location and identification of hand controls, tell-tales and indicators	2019/2144	--	R 121				
34.	Defrost/demist	78/317	672/2010					

## List according Regulation (EU) 2018/858, Annex II, Part I.

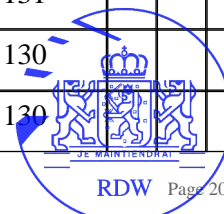
		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
34a.	Windscreen defrosting and demisting systems	661/2009	672/2010	--				
34a.	Windscreen defrosting and demisting systems	2019/2144	2021/535 Annex VI	--				
35.	Wash/wipe	78/318	1008/2010	--				
35a.	Windscreen wiper and washer systems	661/2009	1008/2010	--				
35a.	Windscreen wiper and washer systems	2019/2144	2021/535 Annex IV	--				
36.	Heating systems	2001/56	--	R 122				
36a.	Heating systems	2019/2144	--	R 122				
37.	Wheel guards	78/549	1009/2010	--				
37a.	Wheel guards	661/2009	1009/2010	--				
37a.	Wheel guards	2019/2144	2021/535 Annex V	--				
38.	Head restraints	78/932	--	R 17, R 25				
38a.	Head restraints (headrests), whether or not incorporated in vehicle seats	2019/2144	--	R 25				
39.	CO2 emissions - fuel consumption	80/1268	--	R 101				
40.	Engine power	80/1269	--	R 85				
41.	Emissions (Euro IV and V) heavy duty vehicles.	2005/55	--	R 49				
41a.	Emissions (Euro VI) heavy-duty vehicles/access to information	595/2009	582/2011	--				
41a.	Diesel Emissions	595/2009	--	R 49				
41b.	CO2 simulation tool licence (heavy-duty vehicles)	595/2009	2017/2400	--				
42.	Lateral protection	89/297	--	R 73				
42a.	Lateral protection	2019/2144	--	R 73				
43.	Spray suppression systems	91/226	109/2011	--				
43a.	Spray suppression systems	661/2009	109/2011	--				
43a.	Spray suppression systems	2019/2144	2021/535 Annex VIII	--				
44.	Masses and dimensions (cars)	92/21	--	--				
44a.	Masses and dimensions	661/2009	1230/2012	--				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
44a.	Masses and dimensions	2019/2144	2021/535 Annex XIII	--				
45.	Safety glazing	92/22	--	R 43				
45a.	Safety glazing materials and their installation on vehicles	2019/2144	--	R 43				
46.	Tyres	92/23	458/2011	R 64				
46a.	Installation of tyres	661/2009	458/2011	--				
46a.	Installation of tyres	2019/2144	--	R 142				
46b.	Pneumatic tyre for motor vehicles and their trailers (Class C1)	2019/2144	--	R 30				
46c.	Pneumatic tyre for motor vehicles and their trailers (Class C2 and C3)	2019/2144	--	R 54				
46d.	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	2019/2144	--	R 117				
46e.	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	2019/2144	--	R 64				
47.	Speed limitation devices	92/24	--	R 89				
47a.	Speed limitation of vehicles	2019/2144	--	R 89				
48.	Masses and dimensions (other than vehicles referred to in item 44)	97/27	--	--				
48a.	Masses and dimensions	661/2009	1230/2012	--				
48a.	Masses and dimensions	2019/2144	2021/535 Annex XIII	--				
49.	External projections of cabs	92/114	--	--				
49a.	Commercial vehicles with regard to their external projections forward of the cab's rear panel	2019/2144	--	R 61				
50.	Couplings	94/20	--	R 55				
50a.	Installation of mechanical coupling components of combinations of vehicles	2019/2144	--	R 55				
50b.	Close-coupling device (CCD); fitting of an approved type of CCD	2019/2144	--	R 102				
51.	Flammability	95/28	--	R 118				
51a.	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles	2019/2144	--	R 118				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
52.	Buses and coaches	2001/85	--	R 107				
52a.	General construction of M2 and M3 vehicles	2019/2144	--	R 107				
52b.	Strength of the superstructure of large passenger vehicles	2019/2144	--	R 66				
53.	Frontal impact	96/79	--	R 94				
53a.	Protection of occupants in the event of a frontal collision	2019/2144	--	R 94				
54.	Side impact	96/27	--	R 95				
54a.	Protection of occupants in the event of lateral collision	2019/2144	--	R 95				
55a.	Pole side impact	2019/2144	--	R 135				
56.	Vehicles intended for the transport of dangerous goods	98/91	--	R 105				
56a.	Vehicles for the carriage of dangerous goods	2019/2144	--	R 105				
57.	Front under-run protection	2000/40	--	R 93				
57a.	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	2019/2144	--	R 93				
58.	Pedestrian protection	2019/2144	--	R 127				
58.	Brake Assist Systems (BAS)	2019/2144	--	R 139				
59.	Recyclability	2005/64	--	R 133				
61.	Air-conditioning system	2006/40	--	--				
62.	Hydrogen storage systems	79/2009	--	R 134				
62.	Hydrogen storage systems	2019/2144	2021/535 Annex XIV	--				
63.	General safety	2019/2144	--	--				
64.	Gear shift indicators	661/2009	65/2012	--				
64.	Gear shift indicators	2019/2144	2021/535 Annex IX	--				
65.	Advanced emergency braking system	661/2009	347/2012	R 131				
65.	Advanced emergency braking system	2019/2144	--	R 131				
66.	Lane departure warning system	661/2009	351/2012	R 130				
66.	Lane departure warning system	2019/2144	--	R 130				



## List according Regulation (EU) 2018/858, Annex II, Part I.

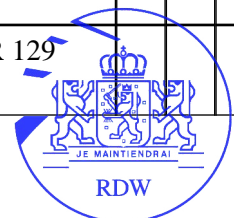
		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
67.	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	2019/2144	--	R 67				
68.	Vehicle alarm systems (VAS)	2019/2144	--	R 97				
69.	Electric safety (part 1)	2019/2144	--	R 100				
70.	Specific components for CNG and their installation on motor vehicles	2019/2144	--	R 110				
71.	Cab strength	2019/2144	--	R 29				
72.	eCall system	--	2015/758	--				
X	LPG tanks	--	--	R 67				
X	CNG tanks	--	--	R 110				
X	Diesel smoke	--	--	R 24				
X	Close-coupling device	--	--	R 102				
X	Strength of the superstructure of large passenger vehicles	--	--	R 66				
X	Tachographs, Tachographs discs	--	3821/85	--				
X	Emissions mobile machines	97/68	--	R 96				
X	Cab strength commercial vehicles	--	--	R 29				
X	Rear-end collision	--	--	R 32				
X	Head-on collision	--	--	R 33				
X	Foot controls	--	--	R 35				
X	Buses, general construction	--	--	R 36				
X	Bumpers	--	--	R 42				
X	Headlamp cleaners	--	--	R 45				
X	External projections cab commercial vehicles	--	--	R 61				
X	Special warning lamps	--	--	R 65				
X	Maximum speed (M1-N1)	--	--	R 68				
X	Rear-marking plates for heavy and slow moving vehicles	--	--	R 69				
X	Rear-marking plates for heavy and long vehicles	--	--	R 70				
X	Fuel consumption	--	--	R 84				
X	Electric safety (Part I)	--	--	R 100 I				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
X	Retro reflective contour markings	--	--	R 104				
X	Tank vehicles, rollover stability (N en O)	--	--	R 111				
X	Child restraint systems	--	--	R 44				
X	Lane Departure Warning Systems	--	--	R 130				
X	Advanced Emergency Braking Systems	--	--	R 131				
X	Permissible sound levels	--	--	R 51				
X	Frontal collision with focus on the restraint system	--	--	R 137				
X	Uniform provisions concerning the approval of motor vehicles with regard to their reusability, recyclability and recoverability	--	--	R 133				
X	Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)	--	--	R 135				
X	Engine net power	--	--	R 85				
X	Emissions - Heavy Duty Vehicles	--	--	R 49				
X	Quiet Road Transport Vehicles with regard to their reduced audibility	--	--	R 138				
X	Brake Assist Systems (BAS)	--	--	R 139				
X	Electronic Stability Control (ESC)	--	--	R 140				
X	Tyre Pressure Monitoring Systems (TPMS)	--	--	R 141				
X	Tyre installation	--	--	R 142				
X	Emissions of M1 and N1 vehicles	--	--	R 83				
X	CO2 emissions/fuel consumption	--	--	R 101				
X	Hydrogen and fuel cell vehicles (part III)	--	--	R 134				
X	General construction of small buses and coaches	--	--	R 52				
X	Accident Emergency Call Systems (AECS) when equipped with an AECD of an approved type	--	--	R 144 II				
X	Accident Emergency Call Systems (AECS) when equipped with an AECD of non approved type	--	--	R 144 III				
X	ISOFIX anchorage systems ISOFIX top tether anchorages and i-Size seating positions	--	--	R 145				
X	Blind Spot Information System for the Detection of Bicycles	--	--	R 151				

## List according Regulation (EU) 2018/858, Annex II, Part I.

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
X	Advanced Emergency Braking System (AEBS) for M1 and N1 vehicles	--	--	R 152				
X	Emissions, emissions of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range (WLTP)	--	--	R 154				
X	Fuel system integrity and safety of electric power train in the event of a rear-end collision	--	--	R 153				
X	Cyber security and cyber security management system	--	--	R 155				
X	Software update and software updates management system	--	--	R 156				
X	Automated Lane Keeping Systems	--	--	R 157				
X	Devices for reversing motion and motor vehicles with regard to the driver's awareness of vulnerable road users behind vehicles	--	--	R 158 Part II				
X	Moving Off Information System for the Detection of Pedestrians and Cyclists	--	--	R 159				
X	Event Data Recorder	--	--	R 160				
X	Protection of motor vehicles against unauthorized use and the approval of the device against unauthorized use (by mean of a locking system)	--	--	R 161				
X	Immobilizers and a vehicle with regard to its immobilizer	--	--	R 162				
X	vehicle alarm system and a vehicle with regard to its vehicle alarm system	--	--	R 163				
X.	Enhanced Child Restraint Systems used on board of motor vehicles	--	--	R 129				



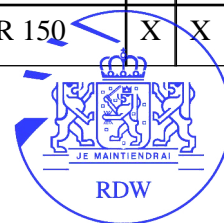
## List of component range and covered Directives and/or Regulations.

Item	Subject	Directive / regulation reference			Category			
		Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
--	Headlamps	--	--	R 1	X	X		X
--	Headlamps	--	--	R 5	X	X		X
--	Headlamps	--	--	R 8	X	X		X
--	Front fog lamps	--	--	R 19	X	X		X
--	Headlamps for motor vehicles H4	--	--	R 20	X	X		X
--	Advanced warning triangles	--	--	R 27	X	X		X
--	Headlamp cleaners	--	--	R 45	X	X		X
--	Lighting devices (L)	--	--	R 50	X	X		X
--	Head lamps for mopeds	--	--	R 56	X	X		X
--	Head lamps for motorcycles	--	--	R 57	X	X		X
--	Special warning lamps	--	--	R 65	X	X		X
--	Rear marking plates for slow moving vehicles	--	--	R 69	X	X		X
--	Rear marking plates for heavy and long vehicles	--	--	R 70	X	X		X
--	Head lamps HS1 for motorcycles	--	--	R 72	X	X		X
--	Moped headlamps	--	--	R 76	X	X		X
--	Rear view mirror (L)	--	--	R 81	X	X		X
--	Lighting devices	--	--	R 82	X	X		X
--	Retro-reflective tyres for 2-wheeled vehicle	--	--	R 88	X	X		X
--	Retro reflective contour markings	--	--	R 104	X	X		X
--	Headlamps with symmetrical beams	--	--	R 113	X	X		X
--	Cornering lamps	--	--	R 119	X	X		X
--	Rear fog lamps for power- driven vehicles and their trailers	--	--	R 38	X	X		X
--	Devices for indirect vision and their installation.	--	--	R 46	X	X		X
--	Electromagnetic compatibility	--	--	R 10	X	X		X
--	Retro-reflecting devices for power-driven vehicles and their trailers	--	--	R 3	X	X		X
--	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers	--	--	R 7	X	X		X



**List of component range and covered Directives and/or Regulations.**

		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
--	Side-marker lamps for motor vehicles and their trailers	--	--	R 91	X	X		X
--	Illumination of rear-registration plates of power-driven vehicles and their trailers	--	--	R 4	X	X		X
--	Direction indicators for power-driven vehicles and their trailers	--	--	R 6	X	X		X
--	Reversing lights for power-driven vehicles and their trailers	--	--	R 23	X	X		X
--	Power-driven vehicle's sealed- beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	--	--	R 31	X	X		X
--	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	--	--	R 37	X	X		X
--	Parking lamps for power- driven vehicles	--	--	R 77	X	X		X
--	Daytime running lamps for power-driven vehicles	--	--	R 87	X	X		X
--	Motor vehicle headlamps equipped with gas-discharge light sources	--	--	R 98	X	X		X
--	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	--	--	R 99	X	X		X
--	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	--	--	R 112	X	X		X
--	Adaptive front-lighting systems (AFS) for motor vehicles	--	--	R 123	X	X		X
--	Electric Safety (Part 2 REESS)	--	--	R 100	X	X		X
--	Light emitting diode (LED) light sources for use in approved lamp units.	--	--	R 128	X	X		X
--	Light signalling devices (LSD)	--	--	R 148	X	X		X
--	Road illumination devices (RID)	--	--	R 149	X	X		X
--	Retro-reflective devices (RRD)	--	--	R 150	X	X		X



		Directive / regulation reference			Category			
Item	Subject	Dir. EC	Comm. Reg. (EU)	Reg. ECE	A	B	C	D
--	Erkenningsregeling wijziging constructie voertuigen (GWC)	Wegenverkeerswet 1994 § 8	--	--				
--	Stuurinrichting (systeemgoedkeuring)	Regeling Voertuigen artikel 3.9 lid 4	--	--				
--	Reminrichting (systeemgoedkeuring)	Regeling Voertuigen artikel 3.9 lid 4	--	--				
--	Brandstoftank ( onderdeel goedkeuring)	Regeling Voertuigen artikel 3.9 lid 5	--	--				
--	Board computer Taxi ( onderdeel goedkeuring)	Regeling Spec. en Tgk BCT	10/11225	--				
--	Beleidsregel aanwijzing bijzondere bromfietsen	WWV 94 hoofdstuk IIA	--	--				

