

## II

(Non-legislative acts)

## REGULATIONS

## COMMISSION REGULATION (EU) No 1229/2012

of 10 December 2012

**amending Annexes IV and XII to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Framework Directive)**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Framework Directive)<sup>(1)</sup>, and in particular Article 39(2) and (3) thereof,

Whereas:

- (1) Directive 2007/46/EC establishes a harmonised framework containing the administrative provisions and general technical requirements for all new vehicles. In particular it includes the regulatory acts laying down the technical requirements with which vehicles have to comply in order to be granted EC vehicle type-approval.
- (2) Part 1 of Annex IV to Directive 2007/46/EC contains a list of regulatory acts for EC type-approval of vehicles produced in unlimited series. Directive 2007/46/EC has been amended several times and that list has accordingly been updated.
- (3) Regulation (EC) No 661/2009 of the European Parliament and of the Council of 13 July 2009 concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor<sup>(2)</sup>, provides for the repeal of several Directives. The repealed Directives have been replaced by corresponding United Nations Economic Commission for Europe (UNECE) Regulations and by Commission Regulations. Those changes should be reflected in Annex IV to Directive 2007/46/EC.

(4) It is essential to adapt the requirements for EC type-approval of small series in order to ensure that manufacturers who produce small series of vehicles may continue to have access to the internal market. For such purposes, it is necessary to adopt simplified measures to reduce the cost required by the type-approval process whereas at the same time ensuring a high level of road safety and protection of the environment.

(5) Since N<sub>1</sub> vehicles exhibit construction features similar to those of M<sub>1</sub> vehicles, it is also appropriate to lay down harmonised technical requirements for vehicles of category N<sub>1</sub> in order to allow such vehicles produced in small series to access the internal market.

(6) It is essential that the requirements laid down in Appendix 1 to Annex IV to Directive 2007/46/EC apply to all new vehicles. However, sufficient time should be given to manufacturers to allow them to adapt their vehicles to the new requirements.

(7) Sections 1 and 2 of Part A of Annex XII to Directive 2007/46/EC include quantitative limits for the purposes of EC type-approval of small series. It is appropriate, when extending EC type-approval of small series to vehicles of category N<sub>1</sub>, to introduce a quantitative limit for vehicles of that category. Likewise, given the purpose of EC type-approval, namely to foster access to the internal market, the number of vehicles of category N<sub>1</sub> that may benefit from national type-approval pursuant to Article 23 of Directive 2007/46/EC should be restricted to the necessary minimum. Therefore, the quantity of those vehicles should also be laid down.

(8) Annexes IV and XII to Directive 2007/46/EC should therefore be amended accordingly.

<sup>(1)</sup> OJ L 263, 9.10.2007, p. 1.

<sup>(2)</sup> OJ L 200, 31.7.2009, p. 1.

- (9) The measures provided for in this Regulation are in accordance with the opinion of the Technical Committee — Motor Vehicles,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annexes IV and XII to Directive 2007/46/EC are amended in accordance with the Annex to this Regulation.

*Article 2*

EC type-approval of small series granted before 1 November 2012 shall cease to be valid on 31 October 2016. National

authorities shall consider certificates of conformity for vehicles to be no longer valid for the purposes of Article 26(1) of Directive 2007/46/EC, unless the type-approvals concerned have been updated to the requirements of Appendix 1 to Annex IV to Directive 2007/46/EC.

*Article 3*

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

However, point (1)(b) of the Annex shall apply in accordance with the dates set out therein.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 10 December 2012.

*For the Commission*  
*The President*  
José Manuel BARROSO

## ANNEX

Directive 2007/46/EC is amended as follows:

(1) Annex IV is amended as follows:

(a) Part I is replaced by the following:

## PART I

## Regulatory acts for EC type-approval of vehicles produced in unlimited series

Item	Subject	Regulatory act	Applicability									
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
1	Permissible sound level	Directive 70/157/EEC	X	X	X	X	X	X				
2	Emissions (Euro 5 and 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	X <sup>(1)</sup>	X <sup>(1)</sup>		X <sup>(1)</sup>	X <sup>(1)</sup>					
3	Fuel tanks/rear protective devices	Directive 70/221/EEC	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X	X	X	X
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UNECE Regulation No 34	X	X	X	X	X	X	X	X	X	X
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UNECE Regulation No 58	X	X	X	X	X	X	X	X	X	X
4	Rear registration plate space	Directive 70/222/EEC	X	X	X	X	X	X	X	X	X	X
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X	X	X	X	X	X	X	X	X	X
5	Steering effort	Directive 70/311/EEC	X	X	X	X	X	X	X	X	X	X
5A	Steering equipment	Regulation (EC) No 661/2009 UNECE Regulation No 79	X	X	X	X	X	X	X	X	X	X
6	Door latches and hinges	Directive 70/387/EEC	X			X	X	X				
6A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X	X	X	X	X	X				
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UNECE Regulation No 11	X			X						
7	Audible warning	Directive 70/388/EEC	X	X	X	X	X	X				
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UNECE Regulation No 28	X	X	X	X	X	X				
8	Indirect vision devices	Directive 2003/97/EC	X	X	X	X	X	X				





Item	Subject	Regulatory act	Applicability										
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>	
23	Direction indicators	Directive 76/759/EEC	X	X	X	X	X	X	X	X	X	X	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6	X	X	X	X	X	X	X	X	X	X	X
24	Rear registration plate lamps	Directive 76/760/EEC	X	X	X	X	X	X	X	X	X	X	X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4	X	X	X	X	X	X	X	X	X	X	X
25	Headlamps (including bulbs)	Directive 76/761/EEC	X	X	X	X	X	X					
25A	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31	X	X	X	X	X	X					
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 37	X	X	X	X	X	X	X	X	X	X	X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98	X	X	X	X	X	X					
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99	X	X	X	X	X	X					
25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112	X	X	X	X	X	X					
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123	X	X	X	X	X	X					
26	Front fog lamps	Directive 76/762/EEC	X	X	X	X	X	X					
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19	X	X	X	X	X	X					
27	Towing hooks	Directive 77/389/EEC	X	X	X	X	X	X					
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	X	X	X	X	X	X					



Item	Subject	Regulatory act	Applicability										
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>	
37	Wheel guards	Directive 78/549/EEC	X										
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	X										
38	Head restraints	Directive 78/932/EEC	X										
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UNECE Regulation No 25	X	X	X	X	X	X					
40	Engine power	Directive 80/1269/EEC	X <sup>(7)</sup>	X <sup>(7)</sup>	X <sup>(7)</sup>	X <sup>(7)</sup>	X <sup>(7)</sup>	X <sup>(7)</sup>					
41	Emissions (Euro IV and V) heavy duty vehicles.	Directive 2005/55/EC	X <sup>(8)</sup>	X <sup>(8)</sup>	X	X <sup>(8)</sup>	X <sup>(8)</sup>	X					
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009	X <sup>(9)</sup>	X <sup>(9)</sup>	X	X <sup>(9)</sup>	X <sup>(9)</sup>	X					
42	Lateral protection	Directive 89/297/EEC					X	X			X	X	
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 73					X	X			X	X	
43	Spray-suppression systems	Directive 91/226/EEC				X	X	X	X	X	X	X	X
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011				X	X	X	X	X	X	X	X
44	Masses and dimensions (cars)	Directive 92/21/EEC	X										
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X										
45	Safety glazing	Directive 92/22/EEC	X	X	X	X	X	X	X	X	X	X	X
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 43	X	X	X	X	X	X	X	X	X	X	X
46	Tyres	Directive 92/23/EEC	X	X	X	X	X	X	X	X	X	X	X
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X	X	X	X	X	X	X	X	X	X	X
46B	Pneumatic tyres for motor vehicles and their trailers (Class C1)	Regulation (EC) No 661/2009 UNECE Regulation No 30	X			X			X	X			



Item	Subject	Regulatory act	Applicability										
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>	
52B	Strength of the superstructure of large passenger vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 66		X	X								
53	Frontal impact	Directive 96/79/EC	X <sup>(1)</sup>										
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UNECE Regulation No 94	X <sup>(1)</sup>										
54	Side impact	Directive 96/27/EC	X <sup>(2)</sup>			X <sup>(2)</sup>							
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UNECE Regulation No 95	X <sup>(2)</sup>			X <sup>(2)</sup>							
55	(empty)												
56	Vehicles intended for the transport of dangerous goods	Directive 98/91/EC				X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>
56A	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UNECE Regulation No 105				X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>
57	Front underrun protection	Directive 2000/40/EC					X	X					
57A	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UNECE Regulation No 93					X	X					
58	Pedestrian protection	Regulation (EC) No 78/2009	X			X							
59	Recyclability	Directive 2005/64/EC	X			X		-					
60	(empty)												
61	Air-conditioning systems	Directive 2006/40/EC	X			X <sup>(4)</sup>							
62	Hydrogen system	Regulation (EC) No 79/2009	X	X	X	X	X	X					
63	General Safety	Regulation (EC) No 661/2009	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>	X <sup>(5)</sup>
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012	X										
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012		X	X		X	X					
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012		X	X		X	X					

Item	Subject	Regulatory act	Applicability									
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 67	X	X	X	X	X	X				
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UNECE Regulation No 97	X			X						
69	Electric safety	Regulation (EC) No 661/2009 UNECE Regulation No 100	X	X	X	X	X	X				
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 110	X	X	X	X	X	X				

Explanatory notes:

X Regulatory act applicable.

Note: The series of amendments of the UNECE Regulations which apply on a compulsory basis are listed in Annex IV to Regulation (EC) No 661/2009. Series of amendments adopted subsequently are accepted as an alternative.

- (<sup>1</sup>) For vehicles with a reference mass not exceeding 2 610 kg. At the manufacturer's request, may apply to vehicles with a reference mass not exceeding 2 840 kg.
- (<sup>2</sup>) In case of vehicles equipped with a LPG or CNG installation, a vehicle type-approval in accordance with UNECE Regulation No 67 or UNECE Regulation No 110 is required.
- (<sup>3</sup>) The fitting of an electronic stability control ("ESC") system is required in accordance with Article 12 of Regulation (EC) No 661/2009. Therefore, the requirements set out in Annex 21 to UNECE Regulation 13 shall be complied with for the purposes of EC type-approval of new types of vehicles as well as for the registration, sale and entry into service of new vehicles. The implementation dates set out in Article 13 of Regulation (EC) No 661/2009 shall apply instead of the dates set out in UNECE Regulation No 13.
- (<sup>4</sup>) The fitting of an ESC system is required in accordance with Article 12 of Regulation (EC) No 661/2009. Therefore, the requirements set out in Part A of Annex 9 to UNECE Regulation No 13-H shall be complied with for the purposes of EC type-approval of new types of vehicles as well as for the registration, sale and entry into service of new vehicles. The implementation dates set out in Article 13 Regulation (EC) No 661/2009 shall apply instead of the dates set out in UNECE Regulation No 13-H.
- (<sup>4A</sup>) If fitted, the protective device shall fulfil the requirements of UNECE Regulation No 18.
- (<sup>4B</sup>) This Regulation applies to seats not falling within the scope of UNECE Regulation No 80.
- (<sup>5</sup>) Vehicles of this category shall be fitted with a suitable windscreen defrosting and demisting device.
- (<sup>6</sup>) Vehicles of this category shall be fitted with a suitable windscreen washing and wiping devices.
- (<sup>7</sup>) In case of vehicles equipped with an electric power train, a vehicle type-approval in accordance with UNECE Regulation No 85 is required.
- (<sup>8</sup>) For vehicles with a reference mass exceeding 2 610 kg and which did not benefit from the possibility offered in note (<sup>1</sup>).
- (<sup>9</sup>) For vehicles with a reference mass exceeding 2 610 kg which are not type-approved (at the manufacturer's request and provided their reference mass does not exceed 2 840 kg) under Regulation (EC) No 715/2007.  
For other options, see Article 2 of Regulation (EC) No 595/2009.
- (<sup>9A</sup>) Applies only where such vehicles are fitted with equipment covered by UNECE Regulation No 64. Tyre pressure monitoring system for M1 vehicles applies on a compulsory basis in accordance with Article 9(2) of Regulation (EC) No 661/2009.
- (<sup>10</sup>) Applies only to vehicles equipped with coupling(s).
- (<sup>11</sup>) Applies to vehicles with a technically permissible maximum laden mass not exceeding 2,5 tonnes.
- (<sup>12</sup>) Only applicable to vehicles where the "Seating Reference Point ('R' point)" of the lowest seat is not more than 700 mm above the ground level.
- (<sup>13</sup>) Applies only when the manufacturer applies for type-approval of vehicles intended for the transport of dangerous goods.
- (<sup>14</sup>) Applies only for vehicles of category N<sub>1</sub>, class I as described in the first table in point 5.3.1.4 of Annex I to Directive 70/220/EEC.
- (<sup>15</sup>) At the request of the manufacturer, a type-approval may be granted under this item, as an alternative to obtaining type-approvals under items 3A, 3B, 4A, 5A, 6A, 6B, 7A, 8A, 9A, 9B, 10A, 12A, 13A, 13B, 14A, 15A, 15B, 16A, 17A, 17B, 18A, 19A, 20A, 21A, 22A, 22B, 22C, 23A, 24A, 25A, 25B, 25C, 25D, 25E, 25F, 26A, 27A, 28A, 29A, 30A, 31A, 32A, 33A, 34A, 35A, 36A, 37A, 38A, 42A, 43A, 44A, 45A, 46A, 46B, 46C, 46D, 46E, 47A, 48A, 49A, 50A, 50B, 51A, 52A, 52B, 53A, 54A, 56A, 57A and 64 to 70.;

(b) Appendix 1 to Part I is replaced by the following:

'Appendix 1

#### Regulatory acts for EC type-approval of vehicles produced in small series pursuant to Article 22

1. This Appendix applies to new EC type-approvals of small series granted from 1 November 2012, except for item 54A which applies from 1 November 2014.
2. EC type-approvals of small series granted before 1 November 2012 shall cease to be valid on 31 October 2016. National authorities shall consider certificates of conformity for vehicles to be no longer valid for the purposes of Article 26(1) of this Directive, unless the type-approvals concerned have been updated to the requirements of this Appendix.

Table 1  
M<sub>1</sub> vehicles <sup>(1)</sup>

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
1	Permissible sound level	Directive 70/157/EEC		A
2	Emissions (Euro 5 and 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	(a) On-board diagnostic (OBD)	The vehicle shall be fitted with an OBD system that fulfils the requirements of Article 4(1) and (2) of Regulation (EC) No 692/2008 (The OBD system shall be designed to record at least the malfunction of the engine management system).  The OBD-interface shall be able to communicate with commonly available diagnostic tools.
			(b) In service conformity	N/A
			(c) Access to information	It is sufficient that the manufacturer provide access to repair and maintenance information in a readily accessible and prompt manner.
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009	(a) Liquid fuel tanks	B
		UNECE Regulation No 34	(b) Installation in vehicle	B
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010		B
5A	Steering equipment	Regulation (EC) No 661/2009		C
		UNECE Regulation No 79	(a) Mechanical systems	The provisions of paragraph 5 of UNECE Regulation No 79 shall apply.  All tests prescribed in paragraph 6.2 of UNECE Regulation No 79 shall be performed and the requirements of paragraph 6.1 of UNECE Regulation No 79 shall apply.
			(b) Complex electronic vehicle control system	All the requirements of Annex 6 of UNECE Regulation No 79 shall apply.  Compliance with these requirements may only be checked by an appointed technical service.

<sup>(1)</sup> The explanatory notes relating to Part I of Annex IV apply also to Table 1.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
6A	Door latches and door retention components	Regulation (EC) No 661/2009		C
		UNECE Regulation No 11	(a) General requirements (Paragraph 5 of UNECE Regulation No 11)	All the requirements shall apply.
			(b) Performance requirements (Paragraph 6 of UNECE Regulation No 11)	Only the requirements of paragraph 6.1.5.4 and paragraph 6.3 on door locks shall apply.
7A	Audible warning devices and signals	Regulation (EC) No 661/2009	(a) Components	X
		UNECE Regulation No 28	(b) Installation on vehicle	B
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009	(a) Components	X
		UNECE Regulation No 46	(b) Installation on vehicle	B
9B	Braking	Regulation (EC) No 661/2009	(a) Design and tests requirements	A
		UNECE Regulation No 13-H	(b) Electronic stability control (ESC) and brake assist systems(BAS)	The fitting of BAS and ESC shall not be required. If fitted, they shall comply with the requirements of UNECE Regulation No 13-H.
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UNECE Regulation No 10		B
12A	Interior fittings	Regulation (EC) No 661/2009		C
		UNECE Regulation No 21	(a) Interior arrangement	
			(i) Radii and protrusion requirements for switches, pull-knobs and the like, controls and general interior fittings	The requirements of paragraphs 5.1 to 5.6 of UNECE Regulation No 21 may be waived at the request of the manufacturer.  The requirements of paragraph 5.2 of UNECE Regulation No 21 with the exception of paragraphs 5.2.3.1, 5.2.3.2 and 5.2.4 shall apply.
(ii) Energy absorption tests on the upper dashboard	Energy absorption tests on the upper dashboard shall only be performed when the vehicle is not fitted with at least two front airbags or two static four-point harnesses.			

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
			(iii) Energy absorption test on the rear part of the seats	N/A
			(b) Power-operation of windows, roof-panel systems and partition systems	All requirements of paragraph 5.8 UNECE Regulation No 21 shall apply.
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UNECE Regulation No 116		A
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UNECE Regulation No 12		C Tests are required when the vehicle has not been tested under UNECE Regulation No 94 (see item 53A)
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UNECE Regulation No 17	(a) General requirements (i) Specifications	Requirements of paragraph 5.2 of UNECE Regulation No 17 shall apply with the exception of paragraph 5.2.3.
			(ii) Strength tests for seat backrest and head restraints	The requirements of paragraph 6.2 UNECE Regulation No 17 shall apply.
			(iii) Unlocking and adjustment tests	The test shall be performed in accordance with the requirements of Annex 7 to UNECE Regulation No 17.
			(b) Head restraints (i) Specifications	Requirements of paragraphs 5.4, 5.5, 5.6, 5.10, 5.11 and 5.12 of UNECE Regulation No 17 shall apply with the exception of paragraph 5.5.2.
			(ii) Strength tests on head restraints	The test prescribed in paragraph 6.4 shall be performed.
			(c) Special requirements regarding the protection of occupants from displaced luggage	The requirements of Annex 9 to UNECE Regulation No 26 may be waived at the request of the manufacturer.
16A	External projections	Regulation (EC) No 661/2009 UNECE Regulation No 26	(a) General specifications	C The requirements of paragraph 5 of UNECE Regulation No 26 shall apply.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
			(b) Particular specifications	The requirements of paragraph 6 of UNECE Regulation No 26 shall apply.
17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012		D
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UNECE Regulation No 39		B
18A	Manufacturer's statutory plate and vehicle identification number	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011		B
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UNECE Regulation No 14		B
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 48		B Daytime Running Lights (DRL) shall be fitted to a new vehicle type in accordance with Article 2 of Directive 2008/89/EC.
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 3		X
22A	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 7		X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87		X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91		X

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6		X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4		X
25A	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31		X
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 37		X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98		X
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99		X
25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112		X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123		X

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19		X
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010		B
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 38		X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23		X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77		X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16	(a) Components	X
			(b) Installation requirements	B
32A	Forward field of vision	Regulation (EC) No 661/2009 UNECE Regulation No 125		A
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UNECE Regulation No 121		A
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(a) Windscreen defrosting	Only paragraph 1.1.1 of Annex II to Regulation (EU) No 672/2010 shall apply provided that warm air flow is ducted to the whole surface of the windscreen or the latter is electrically heated on its whole surface.
				C

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
			(b) Windscreen demisting	Only point 1.2.1 of Annex II to Regulation (EU) No 672/2010 shall apply provided that warm air flow is ducted to the whole surface of the windscreen or the latter is electrically heated on its whole surface.
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010		C
			(a) Windscreen wiper system	Paragraphs 1.1 to 1.1.10 of Annex III to Regulation (EU) No 1008/2010 shall apply.  Only the test described in paragraph 2.1.10 of Annex III to Regulation (EU) No 1008/2010 shall be performed.
			(b) Windscreen washer system	Section 1.2 of Annex III to Regulation (EU) No 1008/2010 shall apply with the exception of points 1.2.2, 1.2.3 and 1.2.5.
36A	Heating system	Regulation (EC) No 661/2009 UNECE Regulation No 122		C  The fitting of a heating system shall not be required.
			(a) All heating systems	The requirements of paragraph 5.3 and of paragraph 6 of UNECE Regulation No 122 shall apply.
			(b) LPG heating systems	The requirements of Annex 8 to UNECE Regulation No 122 shall apply.
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010		B
40	Engine power	Directive 80/1269/EEC		A  <i>(When the vehicle manufacturer produces his own engine).</i>
				<i>(When the vehicle manufacturer uses an engine from another manufacturer)</i>  Bench test data from the engine manufacturer are accepted provided that the engine management system is identical (i.e. having at least the same ECU).  Power output test may be performed on a chassis dynamometer. It shall be taken into account of the power loss in the transmission.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
41	Emissions (Euro IV and V) heavy duty vehicles	Directive 2005/55/EC		A
			OBD	May be waived at the request of the vehicle manufacturer.
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009		A With the exception of the set of requirements relating to OBDs and access to information.
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012		B The hill start test at maximum combination mass described in paragraph 5.1 of Part A of Annex 1 to Regulation (EU) No 1230/2012 may be waived at the request of the manufacturer.
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 43	(a) Components	X
			(b) Installation	B
46	Tyres	Directive 92/23/EEC	Components	X
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011		B Dates for progressive application shall be those set out in Article 13 of Regulation (EC) No 661/2009.
46B	Pneumatic tyres for motor vehicles and their trailers (Class C1)	Regulation (EC) No 661/2009 UNECE Regulation No 30	Components	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (classes C1, C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 117	Components	X
46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UNECE Regulation No 64	Components	X
			Fitting of a tyre-pressure monitoring system (TPMS)	B The fitting of a TPMS shall not be required.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 55	(a) Components	X
			(b) Installation	B
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UNECE Regulation No 94		C  The requirements of UNECE Regulation No 94 shall apply to vehicles fitted with front airbags. Vehicles not fitted with airbags shall fulfil the requirement of item 14A of this table.
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UNECE Regulation No 95		C  (shall apply from 1 November 2014)
			Head form test	The manufacturer shall supply the technical service with suitable information concerning a possible impact of the head of the dummy against the structure of the vehicle or the side glazing if made up of laminated glazing.  When such impact is proven likely to happen, then the partial test using the head form test described in paragraph 3.1 of Annex 8 to UNECE Regulation No 95 shall be conducted and the criterion specified in paragraph 5.2.1.1 of UNECE Regulation 95 shall be met.  In agreement with the technical service, the test procedure described in Annex 4 to UNECE Regulation No 21 may be used as an alternative to the test mentioned above.
58	Pedestrian protection	Regulation (EC) No 78/2009	(a) Technical requirements applicable to vehicle	N/A
			(b) Frontal protection systems	X
59	Recyclability	Directive 2005/64/EC		N/A  Only Article 7 on reuse of component parts shall apply.
61	Air-conditioning systems	Directive 2006/40/EC		A  Fluorinated greenhouse gases with a global warming potential higher than 150 are permitted until 31 December 2016.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
62	Hydrogen system	Regulation (EC) No 79/2009		X
63	General Safety	Regulation (EC) No 661/2009		Under this item, a type-approval may be granted, at the request of the manufacturer. See footnote <sup>(15)</sup> of the table for vehicles produced in unlimited series
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012		N/A
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 67	(a) Components	X
			(b) Installation	A
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UNECE Regulation No 97	(a) Components	X
			(b) Installation	B
69	Electric safety	Regulation (EC) No 661/2009 UNECE Regulation No 100		B
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 110	(a) Components	X
			(b) Installation	A

## Meaning of letters

X	<p>Full application of the regulatory act.</p> <p>(a) a type-approval certificate shall be issued;</p> <p>(b) tests and checks shall be conducted by the technical service or the manufacturer under the conditions laid down in Articles 41, 42 and 43;</p> <p>(c) a test report shall be drafted in accordance with the provisions of Annex V;</p> <p>(d) Conformity of Production (COP) shall be ensured.</p>
A	<p>Application of the regulatory act as follows:</p> <p>(a) all requirements of the regulatory act shall be fulfilled unless otherwise stated;</p> <p>(b) no type-approval certificate shall be required;</p> <p>(c) tests and checks shall be conducted by the technical service or the manufacturer under the conditions laid down in Articles 41, 42 and 43;</p> <p>(d) a test report shall be drafted in accordance with the provisions of Annex V;</p> <p>(e) COP shall be ensured.</p>

B	Application of the regulatory act as follows: As for letter "A" with the exception that the tests and checks may be performed by the manufacturer himself subject to the agreement of the type-approval authority (i.e. the conditions laid down in Articles 41, 42 and 43 do not have to be fulfilled).
C	Application of the regulatory act as follows: (a) only the technical requirements from the regulatory shall be fulfilled, irrespective of any transitional provision; (b) no type-approval certificate shall be required; (c) tests and checks shall be conducted by the technical service or by the manufacturer (see decisions for letter "B"); (d) a test report shall be drafted in accordance with the provisions of Annex V; (e) COP shall be ensured.
D	Same as for decisions in letters "B" and "C" with the exception that a statement of compliance submitted by the manufacturer is sufficient. No test report shall be required. The type-approval authority or technical service may require additional information of further evidence, if need be.
N/A	The regulatory act shall not apply. Compliance with one or more specific aspects included in the regulatory act may however be imposed.

Note: The series of amendments of the UNECE Regulations to be used are listed in Annex IV to Regulation (EC) No 661/2009. Series of amendments adopted subsequently are accepted as an alternative.

Table 2  
N<sub>1</sub> vehicles <sup>(1)</sup>

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
1	Permissible sound level	Directive 70/157/EEC		A
2	Emissions (Euro 5 and 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	(a) OBD	The vehicle shall be fitted with an OBD system that fulfils the requirements of Article 4(1) and (2) of Regulation (EC) No 692/2008(the OBD system shall be designed to record at least the malfunction of the engine management system).  The OBD-interface shall be able to communicate with commonly available diagnostic tools.
			(b) In service conformity	N/A
			(c) Access to information	It is sufficient that the manufacturer provides access to repair and maintenance information in a readily accessible and prompt manner.
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009	(a) Liquid fuel tanks	B
		UNECE Regulation No 34	(b) Installation in vehicle	B

<sup>(1)</sup> The explanatory notes relating to Part I of Annex IV apply also to Table 2. The letters in Table 2 have the same meaning as in Table 1.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010		B
5A	Steering equipment	Regulation (EC) No 661/2009 UNECE Regulation No 79	(a) Mechanical systems	The provisions of paragraph 5 of UNECE Regulation No 79.01 shall apply.  All tests prescribed in paragraph 6.2 of UNECE Regulation No 79 shall be performed and the requirements of paragraph 6.1 of UNECE Regulation No 79 shall apply.
			(b) Complex electronic vehicle control system	All the requirements of Annex 6 of UNECE Regulation No 79 shall apply.  Compliance with these requirements may only be checked by an appointed technical service.
6A	Door latches and door retention components	Regulation (EC) No 661/2009 UNECE Regulation No 11	(a) General requirements (Paragraph 5 of UNECE Regulation No 11)	All requirements shall apply.
			(b) Performance requirements (Paragraph 6 of UNECE Regulation No 11)	Only the requirements of paragraph 6.1.5.4 and paragraph 6.3 on door locks shall apply.
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UNECE Regulation No 28	(a) Components	X
			(b) Installation on vehicle	B
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UNECE Regulation No 46	(a) Components	X
			(b) Installation on vehicle	B
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UNECE Regulation No 13.	(a) design and test requirements	A
			(b) ESC	The fitting of ESC shall not be required. If fitted, it shall comply with the requirements of UNECE Regulation No 13.
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UNECE Regulation No 13-H	(a) Design and test requirements	A
			(b) Electronic stability control (ESC) and brake assist systems(BAS)	The fitting of BAS and ESC shall not be required. If fitted, they shall comply with the requirements of UNECE Regulation No 13-H.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UNECE Regulation No 10		B
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UNECE Regulation No 116		A
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UNECE Regulation No 12		C
			(a) Barrier impact test	A test shall be required.
			(b) Body block impact test against steering wheel	Not required if the steering wheel is fitted with an airbag.
			(c) Head form test	Not required if the steering wheel is fitted with an airbag.
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UNECE Regulation N 17		B
17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012		D
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UNECE Regulation No 39		B
18A	Manufacturer's statutory plate and vehicle identification number	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011		B
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UNECE Regulation No 14		B
20A	Installation of lighting and light-signalling devices on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 48		B DRLs shall be fitted to a new vehicle type in accordance with Article 2 of Directive 2008/89/EC.
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 3		X

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
22A	Front and rear position lamps, stop-lamps and end-outline marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 7		X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87		X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91		X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6		X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4		X
25A	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31		X
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 37		X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98		X
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99		X

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112		X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123		X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19		X
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010		B
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 38		X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23		X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77		X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16	(a) Components	X
			(b) Installation requirements	B
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UNECE Regulation No 121		A
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010		N/A The vehicle shall be fitted with a suitable windscreen defrosting and demisting system.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010		N/A The vehicle shall be fitted with a suitable windscreen wiper and washer system.
36A	Heating system	Regulation (EC) No 661/2009 UNECE Regulation No 122		C The fitting of a heating system shall not be required.
			(a) All heating systems	The requirements of paragraph 5.3 and of paragraph 6 of UNECE Regulation No 122 shall apply.
			(b) LPG heating systems	The requirements of Annex 8 to UNECE Regulation No 122 shall apply.
38	Head restraints whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UNECE Regulation No 25		X
40	Engine power	Directive 80/1269/EEC		A <i>(When the vehicle manufacturer produces his own engine)</i>
				<i>(When the vehicle manufacturer uses an engine from another manufacturer)</i> Bench test data from the engine manufacturer are accepted provided that the engine management system is identical (i.e. having at least the same ECU). Power output test may be performed on a chassis dynamometer. It shall be taken into account of the power loss in the transmission.
41	Emissions (Euro IV and V) heavy duty vehicles	Directive 2005/55/EC		A
			OBD	Maybe waived at the request of the vehicle manufacturer.
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009		A With the exception of the set of requirements relating to OBDS and access to information.
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011		B

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009	(a) Components	X
		UNECE Regulation No 43	(b) Installation	B
46	Tyres	Directive 92/23/EEC	Components	X
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011		B Dates for progressive application shall be those set out in Article 13 of Regulation (EC) No 661/2009.
46B	Pneumatic tyres for motor vehicles and their trailers (Class C1)	Regulation (EC) No 661/2009 UNECE Regulation No 30	Components	X
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 54	Components	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 117	Components	X
46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009	Components	X
		UNECE Regulation No 64	Fitting of a tyre-pressure monitoring system	B The fitting of a TPMS shall not be required
48	Masses and dimensions	Directive 97/27/EC		B
48A	Masses and dimensions	Regulation (EC) No 661/2009		B
		Regulation (EU) No 1230/2012	Hill start test at maximum combination mass	The hill start test at maximum combination mass described in paragraph 5.1 of Part A of Annex 1 to Regulation (EU) No 1230/2012 may be waived at the request of the manufacturer.
49A	Commercial vehicles with regards to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009		C
		UNECE Regulation No 61	(a) General specifications	The requirements of paragraph 5 of UNECE Regulation No 61 shall apply
			(b) Particular specifications	The requirements of paragraph 6 of UNECE Regulation No 61 shall apply.

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 55	(a) Components	X
			(b) Installation	B
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UNECE Regulation No 95	C	C
			Head form test	<p>The manufacturer shall supply the technical service with suitable information concerning a possible impact of the head of the dummy against the structure of the vehicle or the side glazing if made up of laminated glazing.</p> <p>When such impact is proven likely to happen, then the partial test using the head form test described in paragraph 3.1 of Annex 8 to UNECE Regulation No 95 shall be conducted and the criterion specified in paragraph 5.2.1.1 of UNECE Regulation 95 shall be met.</p> <p>In agreement with the technical service, the test procedure described in Annex 4 to UNECE Regulation No 21 may be used as an alternative to the test mentioned above.</p>
56	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UNECE Regulation No 105		A
58	Pedestrian protection	Regulation (EC) No 78/2009	(a) Technical requirements applicable to a vehicle	N/A
			(b) Frontal protection systems	X
59	Recyclability	Directive 2005/64/EC		N/A Only Article 7 on reuse of component parts shall apply.
61	Air-conditioning systems	Directive 2006/40/EC		B Fluorinated greenhouse gases with a global warming potential higher than 150 are permitted until 31 December 2016.
62	Hydrogen system	Regulation (EC) No 79/2009		X
63	General Safety	Regulation (EC) No 661/2009		Under this item, a type-approval may be granted, at the request of the manufacturer. See footnote <sup>(15)</sup> of the table for vehicles produced in unlimited series

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 67	(a) Components	X
			(b) Installation	A
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UNECE Regulation No 97	(a) Components	X
			(b) Installation	B
69	Electric safety	Regulation (EC) No 661/2009 UNECE Regulation No 100		B
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 110	(a) Components	X
			(b) Installation	A'

(2) Part A of Annex XII is amended as follows:

(a) In Section 1, the fourth line in the table is replaced by the following:

'N1	1 000'
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(b) Section 2 is amended as follows:

(i) The second line in the table is replaced by the following:

'M1	100'
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(ii) The fourth line in the table is replaced by the following:

'N1	500 until 31 October 2016
	250 from 1 November 2016'