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	their No installa tion; rear underrun protection (RUP)	Regulation (EC) No 661/2009 Commission Regulation (EU) No 1003/2010 ^b	Non	X	X	X	X	X	X	X	X	X	
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Commission Regulation (EU) No 1003/2010 ^b	Non	X	X	X	X	X	X	X	X	X	
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	Non	X	X	X	X	X	X	X	X	X	
6A	Vehicle access and manoeuvring (steps, running boards and handholds)	Regulation (EC) No 661/2009 Commission Regulation (EU) No 1003/2010 ^c	Non			X	X	X					
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	Non			X							
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	Non	X	X	X	X	X					X

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8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	Non	X	X	X	X	X					X
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	Non	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	Non			X ⁽⁴⁾							
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	Non	X	X	X	X	X	X	X	X	X	X
12A	Interior fittings	Regulation (EC) No 661/2009 UN Regulation No 21	Non										
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18	Non	X ^(4A)	X ^(4A)		X ^(4A)	X ^(4A)					X

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13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116	Non			X							X
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12	Non			X							
15A	Seats, their anchorage and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	Non	X ^(4B)	X ^(4B)	X	X	X					
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 80	Non	X	X								
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26	Non										X
17A	Vehicle access and manoeuvring	Regulation (EC) No 661/2009	Non	X	X	X	X	X					

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	power-driven vehicles and their trailers	UN Regulation No 4											
25A	Power-driven sealed beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UN Regulation No 31	Non	X	X	X	X	X					X
25B	Filament lamps for use in approval lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 37	Non	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 UN Regulation No 98	Non	X	X	X	X	X					X
25D	Gas-discharge light	Regulation (EC)	Non	X	X	X	X	X					X

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	sources for use in approval of gas-discharge lamp units of power-driven vehicles	No 661/2009 UN Regulation No 99											
25E	Motor vehicle headlights emitting an asymmetric passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UN Regulation No 112	Non	X	X	X	X	X					X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123	Non	X	X	X	X	X					X
26A	Power driven front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	Non	X	X	X	X	X					X

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46E	Temporary use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64	Non			X (^{9A})							X
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UN Regulation No 89		X	X		X	X					X
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012		X	X	X	X	X	X	X	X	X	
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UN Regulation No 67				X	X	X					
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 10	Non	X (¹⁰)	X (¹⁰)	X (¹⁰)	X (¹⁰)	X (¹⁰)	X	X	X	X	X

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		No 55										
50B	Close-coupling device (CCD) fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102				X ⁽¹⁰⁾	X ⁽¹⁰⁾			X ⁽¹⁰⁾	X ⁽¹⁰⁾	X
51A	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 118		X								
52A	M ₂ and M ₃ vehicles	Regulation (EC) No 661/2009 UN Regulation No 107	X	X								
52B	Strength of the superstructure of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 66	X	X								
53A	Protection of occupants in the event of a	Regulation (EC) No 661/2009 UN Regulation No 94	X	X ⁽¹¹⁾								

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		of the Council ^k										
61	Air-conditioning systems	Directive 2006/40/EC of the European Parliament and of the Council ^l	X		X ⁽¹⁴⁾							
62	Hydrogen system	Regulation (EC) No 79/2009 of the European parliament and the Council ^m	X	X	X	X	X					
63	General Safety	Regulation (EC) No 661/2009 ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾
64	Gear shift indicators	Regulation (EC) No 661/2009 Commission Regulation (EU) No 65/2012 ⁿ										
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Commission Regulation (EU) No 347/2012 ^o	X	X		X	X					
66	Lane departure	Regulation (EC)	X	X		X	X					

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	warning system	No 661/2009 Commission Regulation (EU) No 351/2012 ^p										
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X	X	X	X	X					X
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97			X							X
69	Electrical safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	X	X	X	X					
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	X	X	X	X					X
71	Cab strength	Regulation (EC) No 661/2009			X	X	X					

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		UN Regulation No 29											
72	eCall system	Regulation (EU) 2015/758 of the European Parliament and of the Council ⁹	X										
a	Regulation (EU) No 540/2014 of the European Parliament and of the Council of 16 April 2014 on the sound level of motor vehicles and of replacement silencing systems, and amending Directive 2007/46/EC and repealing Directive 70/157/EEC (OJ L 158, 27.5.2014, p. 131).												
b	Commission Regulation (EU) No 1003/2010 of 8 November 2010 concerning type-approval requirements for the space for mounting and the fixing of rear registration plates on motor vehicles and their trailers and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 291, 9.11.2010, p. 22).												
c	Commission Regulation (EU) No 130/2012 of 15 February 2012 concerning type-approval requirements for motor vehicles with regard to vehicle access and manoeuvrability and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 43, 16.2.2012, p. 6).												
d	Commission Regulation (EU) No 1005/2010 of 8 November 2010 concerning type-approval requirements for motor vehicle towing devices and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 291, 9.11.2010, p. 36).												
e	Commission Regulation (EU) No 672/2010 of 27 July 2010 concerning type-approval requirements for windscreen defrosting and demisting systems of certain motor vehicles and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 196, 28.7.2010, p. 5).												
f	Commission Regulation (EU) No 1008/2010 of 9 November 2010 concerning type-approval requirements for windscreen wiper and washer systems of certain motor vehicles and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 292, 10.11.2010, p. 2).												
g	Commission Regulation (EU) No 1009/2010 of 9 November 2010 concerning type-approval requirements for wheel guards of certain motor vehicles and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 292, 10.11.2010, p. 21).												
h	Commission Regulation (EU) No 109/2011 of 27 January 2011 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council as regards type-approval requirements for certain categories of motor vehicles and their trailers as regards spray suppression systems (OJ L 34, 9.2.2011, p. 2).												
i	Commission Regulation (EU) No 458/2011 of 12 May 2011 concerning type-approval requirements for motor vehicles and their trailers with regard to the installation of their tyres and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 124, 13.5.2011, p. 11).												
j	Regulation (EC) No 78/2009 of the European Parliament and of the Council of 14 January 2009 on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users, amending Directive 2007/46/EC and repealing Directives 2003/102/EC and 2005/66/EC (OJ L 35, 4.2.2009, p. 1).												
k	Directive 2005/64/EC of the European Parliament and of the Council of 26 October 2005 on the type-approval of motor vehicles with regard to their reusability, recyclability and recoverability and amending Council Directive 70/156/EEC (OJ L 310, 25.11.2005, p. 10).												

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l	Directive 2006/40/EC of the European Parliament and of the Council of 17 May 2006 relating to emissions from air conditioning systems in motor vehicles and amending Council Directive 70/156/EEC (OJ L 161, 14.6.2006, p. 12).
m	Regulation (EC) No 79/2009 of the European Parliament and of the Council of 14 January 2009 on type-approval of hydrogen-powered motor vehicles, and amending Directive 2007/46/EC (OJ L 35, 4.2.2009, p. 32).
n	Commission Regulation (EU) No 65/2012 of 24 January 2012 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council as regards gear shift indicators and amending Directive 2007/46/EC of the European Parliament and of the Council (OJ L 28, 31.1.2012, p. 24).
o	Commission Regulation (EU) No 347/2012 of 16 April 2012 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council with respect to type-approval requirements for certain categories of motor vehicles with regard to advanced emergency braking systems (OJ L 109, 21.4.2012, p. 1).
p	Commission Regulation (EU) No 351/2012 of 23 April 2012 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council as regards type-approval requirements for the installation of lane departure warning systems in motor vehicles (OJ L 110, 24.4.2012, p. 18).
q	Regulation (EU) 2015/758 of the European Parliament and of the Council of 29 April 2015 concerning type-approval requirements for the deployment of the eCall in-vehicle system based on the 112 service and amending Directive 2007/46/EC (OJ L 123, 19.5.2015, p. 77).

Explanatory notes

- | X | Relevant regulatory act. |
|-------------------|--|
| (¹) | For vehicles with a reference mass not exceeding 2 610 kg. At the manufacturer's request, Regulation (EC) No 715/2007 may apply to vehicles with a reference mass not exceeding 2 840 kg. |
| (²) | In case of vehicles equipped with a LPG or CNG installation, a vehicle type-approval in accordance with UN Regulation No 67 or UN Regulation No 110 is required. |
| (³) | The fitting of an electronic stability control ('ESC') system is required in accordance with Article 12 and Article 13 of Regulation (EC) No 661/2009. |
| (⁴) | The fitting of an ESC system is required in accordance with Article 12 and Article 13 of Regulation (EC) No 661/2009. |
| (^{4A}) | If fitted, the protective device shall fulfil the requirements of UN Regulation No 18. |
| (^{4B}) | This Regulation applies to seats not falling within the scope of UN Regulation No 80. |
| (⁵) | Vehicles of this category shall be fitted with a suitable windscreen defrosting and demisting device. |
| (⁶) | Vehicles of this category shall be fitted with a suitable windscreen washing and wiping devices. |
| (⁹) | 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. |
| (^{9A}) | Applies only where such vehicles are fitted with equipment covered by UN Regulation No 64. Tyre pressure monitoring system for M ₁ vehicles applies on a compulsory basis in accordance with Article 9(2) of Regulation (EC) No 661/2009. |
| (¹⁰) | Applies only to vehicles equipped with coupling(s). |
| (¹¹) | Applies to vehicles with a technically permissible maximum laden mass not exceeding 2,5 tonnes. |

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- (¹²) 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.
- (¹³) Applies only when the manufacturer applies for type-approval of vehicles intended for the transport of dangerous goods.
- (¹⁴) Applies only for vehicles of category N₁, class I as described in Annex I to Regulation (EC) No 715/2007.
- (¹⁵) Compliance with Regulation (EC) No 661/2009 is mandatory, however, type-approval under this item number is not foreseen as it represents the collection of individual 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 71. The series of amendments of the UN Regulations which apply on a compulsory basis are listed in Annex IV to Regulation (EC) No 661/2009. The series of amendments adopted subsequently are accepted as an alternative.

Appendix 1 **U.K.**

Regulatory acts for EU type-approval of vehicles produced in small series pursuant to Article 41

TABLE 1

M₁ vehicles

Item	Subject	Regulatory act reference	Specific issues	Applicability and specific requirements
1A	Sound level	Regulation (EU) No 540/2014		A
2A	Emissions (Euro 5 and Euro 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).

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				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.
			(d)	Power measurement (When the vehicle manufacturer uses an engine from another manufacturer) Bench test data from the engine manufacturer are accepted provided that the engine management system is identical (i.e. having at least the same electronic control unit (ECU)). Power output test may be performed on a chassis dynamometer. It shall be taken into account of the power loss in the transmission.

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3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	(a)	Liquid fuel tanks	B
			(b)	Installation in vehicle	B
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58			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 UN Regulation No 79	(a)	Mechanical systems	The provisions of paragraph 5 of UN Regulation No 79 shall apply. All tests prescribed in paragraph 6.2 of UN Regulation No 79 shall be performed and the requirements of paragraph 6.1 of UN Regulation No 79 shall apply.
			(b)	Complex electronic vehicle control system	All the requirements of Annex 6 of UN Regulation No 79 shall apply. Compliance with these requirements may only be checked by a technical service.

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6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	(a)	General requirements (Paragraph 5 of UN Regulation No 11)	C All the requirements shall apply.
			(b)	Performance requirements (Paragraph 6 of UN Regulation No 11)	Only the requirements of paragraph 6.1.5.4 and paragraph 6.3 of UN Regulation No 11 shall apply.
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	(a)	Components	X
			(b)	Installation on vehicle	B
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	(a)	Components	X
			(b)	Installation on vehicle	B
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	(a)	Design and tests 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 UN Regulation No 13-H.
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10			B
12A	Interior fittings	Regulation (EC) No 661/2009			C

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UN 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 UN Regulation No 21 may be waived at the request of the manufacturer. The requirements of paragraph 5.2 of UN Regulation No 21 with the exception of paragraphs 5.2.3.1, 5.2.3.2 and 5.2.4 of that Regulation 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.
	(iii)	Energy absorption test on the rear part of the seats	N/A
	(b)	Power-operation of windows, roof-panel systems	All requirements of paragraph 5.8 of UN Regulation No 21 shall apply.

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			and partition systems	
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116		A The provisions of paragraph 8.3.1.1.1 of UN Regulation No 116 may be applied instead of paragraph 8.3.1.1.2 of that Regulation regardless of the type of powertrain.
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12		C
				Tests are required when the vehicle has not been tested under UN Regulation No 94 (see item 53A).
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17		C
			(a) (i)	General requirements Specifications Requirements of paragraph 5.2 of UN Regulation No 17 shall apply with the exception of paragraph 5.2.3 of that Regulation.
			(ii)	Strength tests for seat backrest and head restraints The requirements of paragraph 6.2 UN Regulation No 17 shall apply.
	(iii)	Unlocking and adjustment tests The test shall be performed in accordance with the requirements of Annex 7 to		

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				UN 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 UN Regulation No 17 shall apply with the exception of paragraph 5.5.2 of that Regulation.
			(ii) Strength tests on head restraints	The test prescribed in paragraph 6.4 of UN Regulation No 17 shall be performed.
			(c) Special requirements regarding the protection of occupants from displaced luggage	The requirements of Annex 9 to UN Regulation No 26 may be waived at the request of the manufacturer.
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26		C
			(a) General specifications	The requirements of paragraph 5 of UN Regulation No 26 shall apply.
			(b) Particular specifications	The requirements of paragraph 6 of UN Regulation No 26 shall apply.
17A	Vehicle access and manoeuvrability (reverse gear)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012		D
17B	Speedometer equipment	Regulation (EC) No 661/2009		B

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	including its installation	UN Regulation No 39		
18A	Manufacturer's statutory plate and VIN	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 UN Regulation No 14		B
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48		B Daytime Running Lights (DRL) shall be fitted to a new type of vehicle.
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN Regulation No 7		X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87		X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91		X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6		X
24A	Illumination of rear-registration plates of power-	Regulation (EC) No 661/2009 UN Regulation No 4		X

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	driven vehicles and their trailers			
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 UN 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 UN Regulation No 37		X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 112		X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123		X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19		X

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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 UN Regulation No 38		X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23		X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77		X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	(a) Components	X
			(b) Installation requirements	B
32A	Forward field of vision	Regulation (EC) No 661/2009 UN Regulation No 125		A
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121		A
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010		C
			(a) Windscreen defrosting	Only point 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.

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			(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	Points 1.1 to 1.1.10 of Annex III to Regulation (EU) No 1008/2010 shall apply. Only the test described in point 2.1.10 of Annex III to Regulation (EU) No 1008/2010 shall be performed.
			(b)	Windscreen washer system	Point 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 UN Regulation No 122			C The fitting of a heating system shall not be required.
			(a)	All heating systems	The requirements of paragraphs 5.3 and 6 of UN Regulation No 122 shall apply.

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			(b) LPG heating systems	The requirements of Annex 8 to UN Regulation No 122 shall apply.
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010		B
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UN Regulation No 25		X
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.
			Power measurement	(When the vehicle manufacturer uses an engine from another manufacturer) 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.
44A	Masses and dimensions	Regulation (EC) No 661/2009		B

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		Regulation (EU) No 1230/2012		The hill start test at maximum combination mass described in point 5.1 of Part A of Annex I 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 UN Regulation No 43	(a) Components	X
			(b) Installation	B
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 C ₁)	Regulation (EC) No 661/2009 UN Regulation No 30	Components	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	Components	X
46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64	Components	X
			Fitting of a tyre-pressure monitoring system (TPMS)	B The fitting of a TPMS shall not be required.
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	(a) Components	X
			(b) Installation	B
53A	Protection of occupants in the	Regulation (EC) No 661/2009		C

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	event of a frontal collision	UN Regulation No 94		The requirements of UN 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 UN Regulation No 95	Head form test	C 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 it is proven that such impact is likely to happen, the partial test using the head form test described in paragraph 3.1 of Annex 8 to UN Regulation No 95 shall be conducted and the criterion specified in paragraph 5.2.1.1 of UN Regulation No 95 shall be met. In agreement with the

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				technical service, the test procedure described in Annex 4 to UN Regulation No 21 may be used as an alternative to the test of UN Regulation No 95.	
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
62	Hydrogen system	Regulation (EC) No 79/2009			X
63	General Safety	Regulation (EC) No 661/2009			See explanatory note ⁽¹⁵⁾ of the table in this Part with regulatory acts for EU type-approval of 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	Regulation (EC) No 661/2009 UN Regulation No 67	(a)	Components	X
			(b)	Installation	A

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	installation on motor vehicles			
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97	(a)	Components X
			(b)	Installation B
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100		B
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	(a)	Components X
			(b)	Installation A
72	eCall system	Regulation (EU) 2015/758		N/A

Explanatory notes

X

Full application of the regulatory act as follows:

- (a) a type-approval certificate shall be issued;
- (b) tests and checks shall be conducted by the technical service or the manufacturer under the conditions laid down in Articles 67 to 81;
- (c) a test report shall be drafted in accordance with Annex III;
- (d) Conformity of Production (COP) shall be ensured.

A

Application of the regulatory act as follows:

- (a) all requirements of the regulatory act shall be fulfilled unless otherwise stated;
- (b) no type-approval certificate shall be required;
- (c) tests and checks shall be conducted by the technical service or the manufacturer under the conditions laid down in Articles 67 to 81;
- (d) a test report shall be drafted in accordance with Annex III;
- (e) COP shall be ensured.

B

Application of the regulatory act as follows:

Same 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 approval authority.

C

Application of the regulatory act as follows:

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- (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 Annex III;
- (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 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.

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

TABLE 2

N₁ vehicles⁰

Item	Subject	Regulatory act	Specific issues	Applicability and specific requirements
1A	Sound level	Regulation (EU) No 540/2014		A
2A	Emissions (Euro 5 and Euro 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).

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				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 vehicle repair and maintenance information in a readily accessible and prompt manner.
			(d)	Power measurement (When the vehicle manufacturer uses an engine from another manufacturer) 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.

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3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	(a)	Liquid fuel tanks	B
			(b)	Installation in vehicle	B
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58			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 UN Regulation No 79	(a)	Mechanical systems	The provisions of paragraph 5 of UN Regulation No 79.01 shall apply. All tests prescribed in paragraph 6.2 of UN Regulation No 79 shall be performed and the requirements of paragraph 6.1 of UN Regulation No 79 shall apply.
			(b)	Complex electronic vehicle control system	All the requirements of Annex 6 of UN Regulation No 79 shall apply. Compliance with these requirements may only be checked by a technical service.

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6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	(a)	General requirements (Paragraph 5 of UN Regulation No 11)	C All requirements shall apply. (Paragraph 5 of UN Regulation No 11)
			(b)	Performance requirements (Paragraph 6 of UN Regulation No 11)	Only the requirements of paragraph 6.1.5.4 and paragraph 6.3 of UN Regulation No 11 shall apply.
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	(a)	Components	X
			(b)	Installation on vehicle	B
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	(a)	Components	X
			(b)	Installation on vehicle	B
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	(a)	Design and test requirements	A
			(b)	Electronic stability control (ESC)	The fitting of ESC shall not be required. If fitted, it shall comply with the requirements of UN Regulation No 13.
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	(a)	Design and test requirements	A
			(b)	ESC and brake	The fitting of BAS and ESC shall not be

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			assist systems (BAS)	required. If fitted, they shall comply with the requirements of UN Regulation No 13-H.
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10		B
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116		A The provisions of paragraph 8.3.1.1.1 of UN Regulation No 116 may be applied instead of paragraph 8.3.1.1.2 of that Regulation regardless of the type of powertrain.
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12	(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 UN Regulation No 17		B
17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009		D

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	(reverse gear)	Regulation (EU) No 130/2012		
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39		B
18A	Manufacturer's statutory plate and VIN	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 UN Regulation No 14		B
20A	Installation of lighting and light-signalling devices on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 48		B DRLs shall be fitted to a new type of vehicle.
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN Regulation No 7		X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87		X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91		X
23A	Direction indicators for power-driven	Regulation (EC) No 661/2009 UN Regulation No 6		X

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	vehicles and their trailers			
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 37		X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 112		X
25F	Adaptive front-lighting systems	Regulation (EC) No 661/2009		X

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	(AFS) for motor vehicles	UN Regulation No 123		
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN 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 UN Regulation No 38		X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23		X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77		X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN 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 UN 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.
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

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				wiper and washer system.
36A	Heating system	Regulation (EC) No 661/2009 UN Regulation No 122		C The fitting of a heating system shall not be required.
			(a)	All heating systems The requirements of paragraphs 5.3 and 6 of UN Regulation No 122 shall apply.
			(b)	LPG heating systems The requirements of Annex 8 to UN Regulation No 122 shall apply.
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.
			Power measurement	(When the vehicle manufacturer uses an engine from another manufacturer) 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.

a The explanatory notes relating to the Table 'Regulatory acts for EU type-approval of vehicles produced in unlimited series' of this Part also apply to this Table. The letters in this Table have the same meaning as in Table 1 of this Appendix.

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				It shall be taken into account of the power loss in the transmission.
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011		B
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	(a) Components	X
			(b) Installation	B
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 C ₁)	Regulation (EC) No 661/2009 UN Regulation No 30	Components	X
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 54	Components	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	Components	X
46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64	Components	X
			Fitting of a tyre-pressure monitoring system	B The fitting of a TPMS shall not be required.
48A	Masses and dimensions	Regulation (EC) No 661/2009		B

a The explanatory notes relating to the Table 'Regulatory acts for EU type-approval of vehicles produced in unlimited series' of this Part also apply to this Table. The letters in this Table have the same meaning as in Table 1 of this Appendix.

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		Regulation (EU) No 1230/2012	Hill start test at maximum combination mass	The hill start test at maximum combination mass described in point 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 UN Regulation No 61	(a) General specifications	C The requirements of paragraph 5 of UN Regulation No 61 shall apply.
			(b) Particular specifications	The requirements of paragraph 6 of UN Regulation No 61 shall apply.
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	(a) Components	X
			(b) Installation	B
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UN Regulation No 95	C	C
			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

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				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 UN Regulation No 95 shall be conducted and the criterion specified in paragraph 5.2.1.1 of UN Regulation No 95 shall be met. In agreement with the technical service, the test procedure described in Annex 4 to UN Regulation No 21 may be used as an alternative to the test of UN Regulation No 95 mentioned above.
56A	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN 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

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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
62	Hydrogen system	Regulation (EC) No 79/2009		X
63	General Safety	Regulation (EC) No 661/2009		See explanatory note ⁽¹⁵⁾ of the table in this Part with regulatory acts for EU type-approval of vehicles produced in unlimited series.
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	(a) Components	X
			(b) Installation	A
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97	(a) Components	X
			(b) Installation	B
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100		B
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	(a) Components	X
			(b) Installation	A
71	Cab strength	Regulation (EC) No 661/2009 UN Regulation No 29		C
72	eCall System	Regulation (EU) 2015/758		N/A

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Appendix 2 U.K.

Requirements for EU individual vehicle approval pursuant to Article 44

1. APPLICATION U.K.

For the purpose of application of this Appendix, a vehicle is deemed to be new where:

- (a) it has never been registered previously; or
- (b) it has been registered for less than six months at the time of the application for individual vehicle approval.

A vehicle shall be considered registered where it has obtained a permanent, temporary or short-term administrative authorisation for entry into service in road traffic, involving its identification and the issuing of a registration number⁽²⁾.

2. ADMINISTRATIVE PROVISIONS U.K.

2.1. Categorisation of the vehicle U.K.

Vehicles shall be categorised in accordance with the criteria set out in Annex I as follows:

- (a) the actual number of seating positions shall be taken into consideration; and
- (b) the technically maximum permissible laden mass shall be the maximum mass stated by the manufacturer in the country of origin and available in his official documentation.

Where it is not possible to easily determine the vehicle category because of the design of the bodywork, the conditions set out in Annex I shall apply.

2.2. Application for individual vehicle approval U.K.

- (a) The applicant shall submit an application to the approval authority accompanied by all relevant documentation necessary for the operation of the approval procedure.

Where the submitted documentation is incomplete, falsified or forged the application for approval shall be rejected.

- (b) Only one application for a particular vehicle may be submitted in only one Member State. The approval authority may require from the applicant a written commitment that only one application will be submitted in the Member State of the approval authority.

By a particular vehicle, it shall be understood a physical vehicle the VIN of which is clearly identified.

However, any applicant may apply for EU individual vehicle approval in another Member State in respect of another particular vehicle with technical characteristics identical or similar to the one that has been granted an EU individual vehicle approval.

- (c) The model of the application form and the layout of the file shall be laid down by the approval authority.

The particulars of the vehicle requested may only consist in an appropriate selection of the information included in Annex I.

- (d) The technical requirements to be complied with are those laid down in point 4.

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The technical requirements shall be those applicable to vehicles belonging to a type of vehicle currently in production, in relation to the date of the submission of the application.

- (e) With respect to the tests required under the regulatory acts listed in this Annex, the applicant shall supply a statement of compliance with recognised international standards or regulations. The statement in question may only be issued by the vehicle manufacturer.

‘Statement of compliance’ shall mean a statement issued by the office or department within the manufacturer's organisation that is duly authorised by the management to fully engage the legal responsibility of the manufacturer with respect to the design and the construction of a vehicle.

The regulatory acts for which such a statement has to be supplied shall be those referred to in point 4.

Where a statement of compliance gives rise to uncertainty, the applicant may be required to obtain from the manufacturer a piece of evidence, including a test report, in order to corroborate the manufacturer's statement.

2.3. Technical services entrusted with individual vehicle approvals **U.K.**

- (a) The technical services entrusted with individual vehicle approvals shall be of category A as referred to in Article 68(1).
- (b) By way of derogation from the requirement to demonstrate their compliance with the standards listed in Appendix 1 to Annex III, technical services shall comply with the following standards:
- (i) EN ISO/IEC 17025:2005 when they perform tests themselves;
 - (ii) EN ISO/IEC 17020:2012 when they check compliance of the vehicle with the requirements included in this Appendix.
- (c) Where specific tests requiring specific skills have to be conducted at the request of the applicant, they shall be conducted by one of the technical services notified to the Commission at the choice of the applicant.

2.4. Test reports **U.K.**

- (a) Test reports shall be drafted in accordance with paragraph 5.10.2 of standard EN ISO/IEC 17025:2005.
- (b) Test reports shall be drafted in one of the languages of the Union determined by the approval authority.

Where in application of point 2.3(c) a test report has been issued in a Member State other than the one entrusted with the individual vehicle approval, the approval authority may require that the applicant submits a true translation of the test report.

- (c) Test reports shall include a description of the vehicle tested, including its identification. The parts that play a significant role with regard to the results of the tests shall be described and their identification number reported.

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- (d) At the request of an applicant, a test report delivered for a system related to a particular vehicle may be presented repeatedly either by the same or another applicant for the purposes of individual approval of another vehicle.

In such a case, the approval authority shall ensure that the technical characteristics of the vehicle are properly inspected against the test report.

Inspection of the vehicle and the documentation accompanying the test report shall demonstrate that the vehicle for which an individual approval is sought has the same characteristics as the vehicle described in the report.

- (e) Only authenticated copies of a test report may be submitted.
- (f) Test reports referred to in point (d) do not include the reports drawn up in order to grant the individual vehicle approval.
- 2.5. In the individual vehicle approval procedure each particular vehicle shall be inspected physically by the technical service. **U.K.**

No exemption to this principle shall be permitted.

- 2.6. Where the approval authority is satisfied that the vehicle meets the technical requirements specified in this Appendix and conforms to the description included in the application, it shall grant approval in accordance with Article 44. **U.K.**
- 2.7. The certificate of approval shall be drafted in accordance with Article 44. **U.K.**
- 2.8. The approval authority shall keep record of all approvals granted under Article 44. **U.K.**
3. REVIEW OF THE TECHNICAL REQUIREMENTS **U.K.**

The list of the technical requirements included in point 4 shall be regularly reviewed in order to take account of the results of the harmonisation work in progress at the World Forum for Harmonization of Vehicle Regulations (WP.29) in Geneva and legislative developments in the third countries.

4. TECHNICAL REQUIREMENTS **U.K.**

Part I: Vehicles belonging ¹ to category M ₁	Item	Regulatory act reference	Alternative requirements
		Council Directive 70/157/EEC ^a (Permissible sound level)	Drive-by test (a) A test shall be conducted in accordance with the 'Method A' referred to in Annex 3 to UN Regulation No 51. Limits are those specified in point 2.1 of Annex I to Directive

^a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>70/157/EEC. 1 decibel in addition to the permitted limits shall be allowed.</p> <p>(b) The test track shall comply with Annex 8 to UN Regulation No 51. A test track having different specifications may be used under the condition that correlation tests have been conducted by the technical service. A correction factor shall be applied if necessary.</p> <p>(c) Exhaust systems containing fibrous materials need not be conditioned as prescribed in Annex 5 to UN Regulation No 51.</p> <p>Stationary test A test shall be conducted in accordance with paragraph 3.2 of Annex 3 to UN Regulation No 51.</p>
2A	Regulation (EC) No 715/2007 (Emissions (Euro 5 and Euro 6) light duty vehicles/access to information)	<p>Tailpipe emissions</p> <p>(a) A type I test shall be conducted in accordance with Annex III to Regulation (EC) No 692/2008 using the deterioration factors set out in point 1.4 of</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>Annex VII to Regulation (EC) No 692/2008. The limits to be applied shall be those specified in Table I and Table II in Annex I to Regulation (EC) No 715/2007.</p> <p>(b) The vehicle shall not be required to exhibit 3 000 km as mentioned in paragraph 3.1.1 of Annex 4 to UN Regulation No 83.</p> <p>(c) The fuel to be used for the test shall be the reference fuel as prescribed in Annex IX to Regulation (EC) No 692/2008.</p> <p>(d) The dynamometer shall be set up in accordance with the technical requirements set out in paragraph 3.2 of Annex 4 to UN Regulation No 83.</p> <p>(e) The test referred to in point (a) shall not be conducted where it can be shown that the vehicle complies with the California Code Regulations referred to in point 2.1.1</p>
a	Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).	

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		<p>of Annex I to Regulation (EC) No 692/2008.</p> <p>Evaporative emissions For petrol-fuelled engines, the presence of an evaporate emissions control system shall be required (e.g. a charcoal canister).</p> <p>Crankcase emissions The presence of a device for recycling crankcase gases shall be required.</p> <p>OBD</p> <p>(a) The vehicle shall be fitted with an OBD system.</p> <p>(b) OBD-interface must be able to communicate with common diagnostic tools used for periodic technical inspections.</p> <p>Smoke opacity</p> <p>(a) Vehicles equipped with a diesel-fuelled engine shall be tested in accordance with the tests methods referred to in Appendix 2 to Annex IV to Regulation (EC) No 692/2008.</p> <p>(b) The corrected value of the absorption coefficient shall be affixed conspicuously and in a readily accessible place.</p> <p>CO₂ emissions and fuel consumption</p> <p>(a) A test shall be conducted in</p>
<p>a</p>		<p>Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).</p>

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		<p>accordance with Annex XII to Regulation (EC) No 692/2008.</p> <p>(b) The vehicle shall not be required to exhibit 3 000 km as requested in paragraph 3.1.1 of Annex 4 to UN Regulation No 83.</p> <p>(c) Where the vehicle complies with the California Code Regulations referred to in point 2.1.1 of Annex I to Regulation (EC) No 692/2008 and therefore no test of tailpipe emissions is required to be performed, Member States shall calculate CO₂ emissions and fuel consumption with the formula laid down in the explanatory notes ^(b) and ^(c).</p> <p>Access to information The provisions regarding access to information shall not apply.</p> <p>Power measurement (a) The applicant shall submit a statement from the manufacturer stating the maximum engine power output in kW</p>
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a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>as well as the corresponding engine speed in revolutions per minute.</p> <p>(b) An engine power output curve providing the same information may alternatively be provided by the applicant.</p>
3A	UN Regulation No 34 (Fuel tanks — Rear protective devices)	<p>Fuel tanks</p> <p>(a) Fuel tanks shall comply with paragraph 5 of UN Regulation No 34 with the exception of paragraphs 5.1, 5.2 and 5.12. In particular, they shall comply with paragraphs 5.9 and 5.9.1 but no dripping test shall be conducted.</p> <p>(b) LPG or CNG tanks shall be type-approved in accordance with UN Regulation No 67, series of amendments 01, or UN Regulation No 110 ^(a), respectively.</p> <p>Specific provisions for fuel tanks made of a plastic material The applicant shall submit a statement from the manufacturer establishing that the fuel tank on the particular vehicle, the VIN of which has to be specified, complies either</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>with at least one of the following:</p> <ul style="list-style-type: none"> — FMVSS No 301 (Fuel system integrity); or — Annex 5 to UN Regulation 34. <p>Rear protective device The rear part of the vehicle shall be constructed in accordance with paragraphs 8 and 9 of UN Regulation No 34.</p>
3B	UN Regulation No 58 (Rear underrun protection)	The rear part of the vehicle shall be constructed in accordance with paragraph 2 UN Regulation No 58. It is sufficient that the requirements set out in paragraph 2.3 are fulfilled.
4A	Regulation (EU) No 1003/2010 (Rear registration plate space)	Space, inclination, angles for visibility and position of the registration plate shall comply with Regulation (EU) No 1003/2010.
5A	UN Regulation No 79 (Steering equipment)	<p>Mechanical systems</p> <p>(a) The steering mechanism shall be built as to self-centre. In order to check compliance with this provision, a test shall be conducted in accordance with paragraphs 6.1.2 and 6.2.1 of UN Regulation No 79.</p> <p>(b) The failure of the power steering equipment shall not lead to a complete loss</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		of control of the vehicle. Complex electronic vehicle control system ('Drive-by wire' devices) Complex electronic control system shall be permitted only if they comply with Annex 6 to UN Regulation No 79.
6A	UN Regulation No 11 (Door latches and hinges)	Compliance with paragraph 6.1.5.4 of UN Regulation No 11.
7A	UN Regulation No 28 (Audible warning)	Components The audible warning devices are not required to be type-approved in accordance with UN Regulation No 28. However, they shall emit a continuous sound as required in paragraph 6.1.1 of UN Regulation No 28. Installation on vehicle (a) A test shall be conducted in accordance with paragraph 6.2 of UN Regulation No 28. (b) The maximum sound pressure level shall be in accordance with paragraph 6.2.7.
8A	UN Regulation No 46 (Indirect vision devices)	Components (a) The vehicle shall be fitted with the rear-view mirrors prescribed in paragraph 15.2 of UN Regulation No 46. (b) They are not required to be type-approved in

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		<p>accordance with UN Regulation No 46.</p> <p>(c) The radii of curvature of the mirrors shall not cause significant image distortions. At the discretion of the technical service, the radii of curvature shall be checked in accordance with the method described in Annex 7 to UN Regulation No 46. The radii of curvature shall not be less than those required by paragraph 6.1.2.2.4 of UN Regulation No 46.</p> <p>Installation on vehicle Measurement shall be conducted in order to ensure that the fields of vision comply with paragraph 15.2.4. of UN Regulation No 46.</p>
9B	UN Regulation No 13-H (Braking)	<p>General provisions</p> <p>(a) The braking system shall be built in accordance with paragraph 5 of UN Regulation No 13-H.</p> <p>(b) Vehicles shall be fitted with an electronic antilock braking system acting on all wheels.</p> <p>(c) The performances</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>of the braking system shall comply with Annex III to UN Regulation No 13-H.</p> <p>(d) For those purposes, road tests shall be conducted on a track the surface of which possesses high adhesion. The test on the parking brake shall be conducted on a 18 % gradient (up and down). Only those tests mentioned under the headings ‘Service brake’ and ‘Parking brake’ below shall be conducted. In each case, the vehicle shall be in fully laden conditions.</p> <p>(e) The road test referred to in point (d) shall not be conducted where the applicant can submit a statement from the manufacturer establishing that the vehicle complies either with UN Regulation No 13-H, including supplement 5, or with FMVSS No 135.</p> <p>Service brake</p>
<p>a</p>	<p>Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).</p>	

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		<p>(a) A ‘Type 0’ test as prescribed in paragraphs 1.4.2 and 1.4.3 of Annex 3 to UN Regulation No 13-H shall be conducted.</p> <p>(b) In addition, a ‘Type I’ test as prescribed in paragraph 1.5 of Annex 3 to UN Regulation No 13-H shall be conducted.</p> <p>Parking brake A test shall be conducted in accordance with paragraph 2.3 of Annex 3 to UN Regulation No 13-H.</p>
10A	UN Regulation No 10 (Radio interference (electromagnetic compatibility))	<p>Components</p> <p>(a) Electrical/ electronic sub-assemblies are not required to be type-approved in accordance with UN Regulation No 10.</p> <p>(b) However, electric/ electronic devices retrofitted shall comply with UN Regulation No 10.</p> <p>Emitted electromagnetic radiations The applicant shall submit a statement from the manufacturer establishing that the vehicle complies with UN Regulation No 10 or with the following alternative standards:</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>— Broadband electromagnetic radiation: CISPR 12 or SAE J551-2; or</p> <p>— Narrowband electromagnetic radiation: CISPR 12 (off-board) or 25 (in-board) or SAE J551-4 and SAE J1113-41.</p> <p>Immunity tests Immunity test shall be waived.</p>
12A	UN Regulation No 21 (Interior fittings)	<p>Interior arrangement</p> <p>(a) With respect to the requirements on energy absorption, the vehicle shall be deemed to comply with UN Regulation No 21 if the vehicle is fitted with at least two front airbags, one inserted into the steering wheel and the other into the dashboard.</p> <p>(b) Where the vehicle is fitted with only one front air bag inserted in the steering wheel, the dashboard shall be made up of energy absorbing materials.</p> <p>(c) The technical service shall check that there are no sharp edges in the zones defined</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>in paragraphs 5.1 to 5.7 of UN Regulation No 21.</p> <p>Electrical controls</p> <p>(a) Power-operated windows, roof-panel systems and partitioning systems shall be tested in accordance with paragraph 5.8 of UN Regulation No 21. The sensitivity of auto-reverse systems referred to in paragraph 5.8.3 may diverge from the requirements set out in paragraph 5.8.3.1.1 of UN Regulation No 21.</p> <p>(b) Electric windows which cannot be closed when the ignition is off shall be exempt from the requirements concerning auto-reverse systems.</p>
13A	UN Regulation No 18 (Anti-theft and immobiliser)	<p>(a) In order to prevent unauthorised use, the vehicle shall be fitted with:</p> <ul style="list-style-type: none"> — a locking device as defined in paragraph 2.3 of

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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			<p>UN Regulation No 18; and an immobiliser which meets the technical requirements of paragraph 5 of UN Regulation No 18;</p> <p>(b) If, in accordance with point (a), an immobiliser has to be retrofitted, it shall be of an approved type in accordance with UN Regulations No 18, No 97, or No 116.</p>
14A	UN Regulation No 12 (Protective steering)	(a)	<p>The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, the VIN of which has to be specified, complies with at least one of the following:</p> <p>— UN Regulation No 12;</p> <p>— FMVSS No 203 (Impact protection for the driver from the</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		steering control system) including FMVSS No 204 (Steering control rearward displacement); — Article 11 of JSRRV.
		(b) A test in accordance with Annex 3 to UN Regulation No 12 may be conducted on a production vehicle at the request of the applicant. The test shall be conducted by a technical service that has been designated for carrying out this test. A detailed report shall be issued by that technical service to the applicant.
15A	UN Regulation No 17 (Seat strength — head restraints)	Seats, seat anchorages and adjustment systems The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, the VIN of which has to be specified, complies with at least one of the following: — UN Regulation No 17; or — FMVSS No 207 (Seating systems). Head restraints

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		<p>(a) Where the statement is based on FMVSS No 207, the head restraints shall fulfil, in addition, the requirements of paragraph 5 and Annex 4 to UN Regulation No 17.</p> <p>(b) Only the tests described in paragraphs 5.12, 6.5, 6.6 and 6.7 of UN Regulation No 17 shall be conducted.</p> <p>(c) In the other event, the applicant shall submit a statement from the manufacturer establishing that the particular vehicle, the VIN of which has to be specified, complies with FMVSS No 202a (Head restraints).</p>
16A	UN Regulation No 17 (Exterior projections)	<p>(a) The external surface of the bodywork shall comply with the general requirements included in paragraph 5 of UN Regulation No 17.</p> <p>(b) At the discretion of the technical service the provisions</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		referred to in paragraphs 6.1, 6.5, 6.6, 6.7, 6.8 and 6.11 of UN Regulation No 17 shall be checked.
17A, 17B	UN Regulation No 39 (Speedometer — reverse gear)	Speedometer equipment (a) The dial shall comply with paragraphs 5.1 to 5.1.4 of UN Regulation No 39. (b) Where the technical service wants to verify that the speedometer is calibrated with sufficient accuracy, it may require the tests prescribed in paragraph 5.2 of UN Regulation No 39 to be conducted. Reverse gear The gear mechanism shall include a reverse gear.
18A	Regulation (EU) No 19/2011 (Statutory plates)	VIN (a) The vehicle shall be fitted with a VIN comprising a minimum of 8 and a maximum of 17 characters. VIN comprising 17 characters shall fulfil the requirements set out in international standards ISO 3779:1983 and 3780:1983. (b) VIN shall be located in a clearly visible

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		<p>and accessible position in such a way as it cannot be obliterated or deteriorate.</p> <p>(c) Where no VIN is stamped in the chassis or in the body, a Member State may require the applicant that the VIN is retrofitted in application of its national law. In such a case, the competent authority of that Member State shall supervise the operation.</p> <p>Statutory plate The vehicle shall be fitted with an identification plate affixed by the vehicle manufacturer. No additional plate shall be requested after the approval by the approval authority has been granted.</p>
19A	UN Regulation No 14 (Seat belt anchorages)	<p>The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, the VIN of which has to be specified, complies with at least one of the following:</p> <ul style="list-style-type: none"> — UN Regulation No 14; — FMVSS No 210 (Seat belt assembly anchorages); or — Article 22-3 of JSRRV.

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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20A	UN Regulation No 48 (Installation of lighting and light signalling devices)	<p>(a) The lighting installation shall meet the requirements of UN Regulation No 48, series of amendments 03, with the exception of the requirements of Annexes 5 and 6 to that Regulation.</p> <p>(b) No exemption shall be permitted in respect of the number, the essential design characteristics, the electrical connections, and the colour of light emitted or retro-reflected of the lights and signalling devices referred to in items 21 to 26 and in items 28 to 30.</p> <p>(c) Lights and signalling devices that, for the purpose of fulfilling the requirements of point (a) must be retrofitted shall bear an ‘EU’ type-approval mark.</p> <p>(d) Lamps fitted with gas-discharged light source are only permitted in conjunction with the installation of headlamp</p>
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a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		<p>cleaning device and an automatic headlamp-levelling device where appropriate. Headlamp dipped-beams shall be adapted to the direction of traffic legally in force in the country where the vehicle is granted approval.</p>
21A	UN Regulation No 3 (Retro reflectors)	Where necessary, two additional retro reflectors bearing an 'EU' approval mark shall be added at the rear, the position of which shall comply with UN Regulation No 48.
22A	UN Regulations No 7, No 87 and No 91 (End-outline, front position (side), rear-position (side), stop, side marker, daytime running lamps)	The requirements set out in the UN Regulations No 7, No 87 and No 91 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
23A	UN Regulation No 6 (Direction indicators)	The requirements set out in UN Regulation No 6 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
24A	UN Regulation No 4 (Rear registration plate lamps)	The requirements set out in UN Regulation No 4 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
25C, 25E, 25F	UN Regulations No 98, No 112 and No 123 (Headlamps (including bulbs))	(a) The illumination produced by the passing beam of the headlamps fitted to the vehicle

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		<p>shall be checked under paragraph 6 of UN Regulation No 112 concerning headlamps emitting an asymmetrical passing beam. The tolerances included in Annex 5 to that Regulation may be referred to for that purpose.</p> <p>(b) The same requirement shall be fulfilled for the passing beam of headlamps covered by UN Regulation No 98 or No 123.</p>
26A	UN Regulation No 19 (Front fog lamps)	The requirements set out in UN Regulation No 19 shall not apply. However, the correct functioning of the lights if fitted shall be checked by the technical service.
27A	Regulation (EU) No 1005/2010 (Towing hooks)	The requirements set out in Regulation (EU) No 1005/2010 shall not apply.
28A	UN Regulation No 38 (Rear fog lamps)	The requirements set out in UN Regulation No 38 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
29A	UN Regulation No 23 (Reversing lamps)	The requirements set out in UN Regulation No 23 shall not apply. However, the correct functioning of the lights if fitted shall be checked by the technical service.

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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30A	UN Regulation No 77 (Parking lamps)	The requirements set out in UN Regulation No 77 shall not apply. However, the correct functioning of the lights if fitted shall be checked by the technical service.
31A	UN Regulation No 16 (Seat belts and restraint systems)	<p>Components</p> <p>(a) Seat belts shall not be required to be type-approved in accordance with UN Regulation No 16.</p> <p>(b) However, each seat belt shall bear an identification label.</p> <p>(c) The indications on the label shall be consistent with the decision concerning seat belt anchorages (Re: entry 19).</p> <p>Installation requirements</p> <p>(a) The vehicle shall be fitted with seat belts in accordance with the requirements set out in Annex XVI to UN Regulation No 16.</p> <p>(b) Where a number of seat belts have to be retrofitted in accordance with point (a), they shall be of an approved type in accordance with UN Regulation No 16.</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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32A	UN Regulation No 125 (Forward vision)	<p>(a) No obstruction in the 180° forward field of vision of the driver as defined in paragraph 5.1.3 of UN Regulation No 125 shall be permitted.</p> <p>(b) By derogation from point (a), the ‘A pillars’ and the equipment listed in paragraph 5.1.3 of UN Regulation No 125 shall not be considered as obstruction.</p> <p>(c) The number of ‘A pillars’ shall not exceed 2.</p>
33A	UN Regulation No 121 (Identification of controls, tell-tales and indicators)	<p>(a) The symbols including the colour of their corresponding tell-tales the presence of which is mandatory by virtue of UN Regulation No 121 shall comply with that UN Regulation.</p> <p>(b) Where this is not the case, the technical service shall verify that the symbols, tell-tales and indicators fitted to the vehicle provide the driver with comprehensible information about the</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		operation of the controls in question.
34A	Regulation (EU) No 672/2010 (Defrost/Demist)	The vehicle shall be equipped with adequate windscreen defrosting and windscreen demisting devices. A windscreen defrosting device which complies as a minimum with point 1.1.1 of Annex II to Regulation (EU) No 672/2010 shall be deemed 'adequate'. A windscreen demisting device which complies as a minimum with point 1.2.1 of Annex II to Regulation (EU) No 672/2010 shall be deemed 'adequate'.
35A	Regulation (EU) No 1008/2010 (Wash/Wipe)	The vehicle shall be equipped with adequate windscreen washing and windscreen wiping devices. A windscreen washing and wiping device that complies as a minimum with the conditions set out in point 1.1.5 of Annex III to Regulation (EU) No 1008/2010 shall be deemed 'adequate'.
36A	UN Regulation No 122 (Heating systems)	(a) The passenger compartment shall be fitted with a heating system. (b) Combustion heaters and their installation shall comply with Annex 7 to UN Regulation No 122. In addition, LPG combustion heaters and LPG

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- (b) A of Annex I to Regulation (EU) No 1230/2012 shall be fulfilled. For the purposes of point (a), the masses to be considered are the following:
- the mass in running order defined in point (4) of Article 2 of Regulation (EU) No 1230/2012 as measured by the technical service; and
 - the laden masses either stated by the vehicle manufacturer or shown on the manufacturer's plate including stickers or information available in the owner's manual. Those masses

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		shall be deemed the technically permissible maximum laden masses.
		(c) No exemption shall be permitted in respect of the maximum permissible dimensions.
45A	UN Regulation No 43 (Safety glazing)	<p>Components</p> <p>(a) The glazing shall be made either of tempered or laminated safety glass.</p> <p>(b) Fitting of plastic glazing shall be permitted only on locations situated behind the 'B' pillar.</p> <p>(c) Glazing shall not be required to be approved under UN Regulation No 43.</p> <p>Installation</p> <p>(a) The installation requirements set out in Annex 21 to UN Regulation No 43 shall apply.</p> <p>(b) No tinted films that would reduce the regular light transmission under the required minimum shall be permitted on the windscreen and on the</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		glazing located in front of the 'B' pillar.
46	Directive 92/23/EEC (Tyres)	<p>Components</p> <p>Tyres shall bear an 'EC' type-approval mark including the symbol 's' (for sound).</p> <p>Installation</p> <p>(a) The dimensions, load-capacity index and speed category of the tyres shall fulfil the requirements of Annex IV to Directive 92/23/EEC.</p> <p>(b) The speed category symbol of the tyre shall be compatible with the maximum design speed of the vehicle. This requirement shall apply notwithstanding the presence of a speed limiter.</p> <p>(c) The maximum speed of the vehicle shall be stated by the vehicle manufacturer. However, the technical service may assess the maximum design speed of the vehicle by using the engine maximum power output, the maximum number of revolutions per minute and the</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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		data concerning the kinematic chain.
50A	UN Regulation No 55 (Couplings)	<p>Separate technical units (a) OEM couplings intended for towing a trailer whose maximum mass does not exceed 1 500 kg shall not be required to be type-approved under UN Regulation No 55. A coupling is deemed OEM equipment where it is described in the owner's manual or an equivalent supporting document provided to the buyer by the vehicle manufacturer. Where such coupling is approved with the vehicle, an appropriate text shall be included in the approval certificate stating that the owner is responsible for ensuring compatibility with the coupling device fitted to the trailer.</p> <p>(b) Couplings other than those referred to in point (a), as well as couplings that</p>

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		<p>are retrofitted, shall be type-approved in accordance with UN Regulation No 55.</p> <p>Installation on the vehicle The technical service shall check that the installation of the coupling devices comply with paragraph 6 of UN Regulation No 55.</p>
53A	UN Regulation No 94 (Frontal impact) ^(c)	<p>(a) The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, of which the VIN has to be specified, complies with at least one of the following:</p> <ul style="list-style-type: none"> — UN Regulation No 94; — FMVSS No 208 (Occupant crash protection); — Article 18 of JSRRV. <p>(b) A test in accordance with paragraph 5 of UN Regulation No 94 may be conducted on a production vehicle at the request of the applicant. The test shall be conducted by a technical service that has been designated for</p>

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

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			carrying out this test. A detailed report shall be issued by that technical service to the applicant.
54A	UN Regulation No 95 (Side impact)	(a)	The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, of which the VIN has to be specified complies with at least one of the following: — UN Regulation No 95; — FMVSS No 214 (Side impact protection); — Article 18 of JSRRV.
		(b)	A test in accordance with section 5 of UN Regulation No 95 may be conducted on a production vehicle at the request of the applicant. The test shall be conducted by a technical service that has been designated for carrying out this test. A detailed report shall be issued by that technical service to the applicant.

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58	Regulation (EC) No 78/2009 (Pedestrian protection)	Brake assist Vehicles shall be fitted with an electronic antilock braking system acting on all wheels. Pedestrian protection The requirements of Regulation (EC) No 78/2009 shall apply. Frontal protection systems Frontal protection systems installed on the vehicle shall be type-approved in accordance with Regulation (EC) No 78/2009 and their installation shall comply with the requirements set out in point 6 of Annex I to that Regulation.
59	Directive 2005/64/EC (Recyclability)	The requirements of that Directive shall not apply.
61	Directive 2006/40/EC (Air-conditioning system)	The requirements of that Directive shall apply.
72	Regulation (EU) 2015/758 (eCall system)	The requirements of that Regulation shall not apply.

a Council Directive 70/157/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles (OJ L 42, 23.2.1970, p. 16).

Part II: Vehicles belonging to category N ₁	Item	Regulatory act reference	Alternative requirements
	2A	Regulation (EC) No 715/2007 (Emissions (Euro 5 and Euro 6) light duty vehicles / access to information)	Tailpipe emissions (a) A type 1 test shall be conducted in accordance with Annex III to Regulation (EC) No 692/2008 using the deterioration factors set out in point 1.4 of Annex VII to that Regulation. The emission limits to be

a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

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		<p>applied shall be those specified in Table 1 and Table 2 of Annex I to Regulation (EC) No 715/2007.</p> <p>(b) The vehicle shall not be required to exhibit 3 000 km as mentioned in paragraph 3.1.1 of Annex 4 to UN Regulation No 83.</p> <p>(c) The fuel to be used for the test shall be the reference fuel as prescribed in Annex IX to Regulation (EC) No 692/2008.</p> <p>(d) The dynamometer shall be set up in accordance with the technical requirements of paragraph 3.2 of Annex 4 to UN Regulation No 83.</p> <p>(e) The test referred to in point (a) shall not be conducted where it can be shown that the vehicle complies with the California Code Regulations referred to in point 2 of Annex I to Regulation (EC) No 692/2008.</p>
a	Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).	

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		<p>Evaporative emissions For petrol-fuelled engines, the presence of an evaporate emissions control system (e.g. a charcoal canister) shall be required.</p> <p>Crankcase emissions The presence of a device for recycling crankcase gases shall be required.</p> <p>OBD The vehicle shall be fitted with an OBD system. OBD-interface must be able to communicate with common diagnostic tools used for periodic technical inspections.</p> <p>Smoke opacity (a) Vehicles equipped with a diesel-fuelled engine shall be tested in accordance with the tests methods referred to in Appendix 2 to Annex IV to Regulation (EC) No 692/2008. (b) The corrected value of the absorption coefficient shall be affixed, conspicuously and in a readily accessible place.</p> <p>CO₂ emissions and fuel consumption (a) A test shall be conducted in accordance with Annex XII to Regulation (EC) No 692/2008.</p>
<p>a</p>		<p>Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).</p>

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		<p>(b) The vehicle shall not be required to exhibit 3 000 km as requested in paragraph 3.1.1 of Annex 4 to UN Regulation No 83.</p> <p>(c) Where the vehicle complies with the California Code Regulations referred to in point 2.1.1 of Annex I to Commission Regulation (EC) No 692/2008 and therefore no test of tailpipe emissions is required to be performed, Member States shall calculate CO₂ emissions and fuel consumption with the formula laid down in the explanatory notes ^(b) and ^(c).</p> <p>Access to information The provisions regarding access to information shall not apply.</p> <p>Power measurement (a) The applicant shall submit a statement from the manufacturer stating the maximum engine power output in kW as well as the corresponding</p>
<p>a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).</p>		

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		<p>regime in revolutions per minute.</p> <p>(b) An engine power output curve providing the same information may alternatively be provided by the applicant.</p>
3A	UN Regulation No 34 (Fuel tanks — Rear protective devices)	<p>Fuel tanks</p> <p>(a) Fuel tanks shall comply with paragraph 5 of UN Regulation No 34 with the exception of paragraphs 5.1, 5.2 and 5.12. In particular, they shall comply with paragraph 5.9 and 5.9.1 but no dripping test shall be conducted.</p> <p>(b) LPG or CNG tanks shall be type-approved in accordance with, respectively UN Regulations No 67, series of amendments 01, or UN Regulation No 110 ^(a).</p> <p>Specific provisions for fuel tanks made of a plastic material The applicant shall submit a statement from the manufacturer establishing that the fuel tank on the particular vehicle, of which the VIN has to be specified, complies either</p>

a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

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		<p>with at least one of the following:</p> <ul style="list-style-type: none"> — FMVSS No 301 (Fuel system integrity); — Annex 5 to UN Regulation No 34. <p>Rear protective device</p> <p>(a) The rear part of the vehicle shall be constructed in accordance with paragraphs 8 and 9 of UN Regulation No 34.</p>
4A	Regulation (EU) No 1003/2010 (Rear registration plate space)	Space, inclination, angles for visibility and position of the registration plate shall comply with Regulation (EU) No 1003/2010.
5A	UN Regulation No 79 (Steering effort)	<p>Mechanical systems</p> <p>(a) The steering mechanism shall be built as to self-centre. In order to check compliance with this provision, a test shall be conducted in accordance with paragraphs 6.1.2 and 6.2.1 of UN Regulation No 79.</p> <p>(b) The failure of the power steering equipment shall not lead to a complete loss of control of the vehicle.</p>

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		Complex electronic vehicle control system ('Drive-by wire' devices) Complex electronic control system shall be permitted only if they comply with Annex 6 to UN Regulation No 79.
6A	UN Regulation No 11 (Door latches and hinges)	Compliance with paragraph 6.1.5.4 of UN Regulation No 11
7A	UN Regulation No 28 (Audible warning)	Components The audible warning devices are not required to be type-approved in accordance with UN Regulation No 28. However, they shall emit a continuous sound as required in paragraph 6.1.1 of UN Regulation No 28. Installation on vehicle (a) A test shall be conducted in accordance with paragraph 6.2 of UN Regulation No 28. (b) The maximum sound pressure level shall be in accordance with paragraph 6.2.7.
8A	UN Regulation No 46 (Indirect vision devices)	Components (a) The vehicle shall be fitted with the rear-view mirrors prescribed in paragraph 15.2 of UN Regulation No 46. (b) They are not required to be type-approved in accordance with

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		<p>(c) UN Regulation No 46. The radii of curvature of the mirrors shall not cause significant image distortions. At the discretion of the technical service, the radii of curvature shall be checked in accordance with the method described in Appendix 1 to Annex 7 to UN Regulation No 46. The radii of curvature shall not be less than those required by paragraph 6.1.2.2.4 of UN Regulation No 46.</p> <p>Installation on vehicle Measurement shall be conducted in order to ensure that the fields of vision comply with paragraph 15.2.4 of UN Regulation No 46.</p>
9B	UN Regulation No 13-H (Braking)	<p>General provisions</p> <p>(a) The braking system shall be built in accordance with paragraph 5 of UN Regulation No 13-H.</p> <p>(b) Vehicles shall be fitted with an electronic antilock braking system acting on all wheels.</p>

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		<p>(c) The performances of the braking system shall comply with Annex III to UN Regulation No 13-H.</p> <p>(d) For these purposes, road tests shall be conducted on a track the surface of which possesses high adhesion. The test on the parking brake shall be conducted on a 18 % gradient (up and down). Only those tests mentioned under the headings ‘Service brake’ and ‘Parking brake’ below shall be conducted. In each case, the vehicle shall be in fully laden conditions.</p> <p>(e) The road test referred to in point (c) shall not be conducted where the applicant can submit a statement from the manufacturer establishing that the vehicle complies either with UN Regulation No 13-H including</p>
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		<p>supplement 5 or with FMVSS No 135.</p> <p>Service brake</p> <p>(a) A ‘Type 0’ test as prescribed in paragraphs 1.4.2 and 1.4.3 of Annex 3 to UN Regulation No 13-H shall be conducted.</p> <p>(b) In addition, a ‘Type I’ test as prescribed in paragraph 1.5 of Annex 3 to UN Regulation No 13-H shall be conducted.</p> <p>Parking brake</p> <p>A test shall be conducted in accordance with paragraph 2.3 of Annex 3 to UN Regulation No 13-H.</p>
10A	UN Regulation No 10 (Radio interference (electromagnetic compatibility))	<p>Components</p> <p>(a) Electrical/ electronic sub-assemblies are not required to be type-approved in accordance with UN Regulation No 10.</p> <p>(b) However, electric/ electronic devices retrofitted shall comply with UN Regulation No 10.</p> <p>Emitted electromagnetic radiations</p> <p>The applicant shall submit a statement from the manufacturer establishing</p>

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		<p>that the vehicle complies with UN Regulation No 10 or with the following alternative standards:</p> <ul style="list-style-type: none"> — Broadband electromagnetic radiation: CISPR 12 or SAE J551-2; — Narrowband electromagnetic radiation: CISPR 12 (off-board) or 25 (in-board) or SAE J551-4 and SAE J1113-41. <p>Immunity tests Immunity test shall be waived.</p>
13B	UN Regulation No 116 (Anti-theft and immobiliser)	<p>(a) In order to prevent unauthorised use, the vehicle shall be fitted with a locking device as defined in paragraph 5.1.2 of UN Regulation No 116.</p> <p>(b) If an immobiliser is fitted, it shall comply with the technical requirements of paragraph 8.1.1 of UN Regulation No 116.</p>
14A	UN Regulation No 12 (Protective steering)	<p>(a) The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, the VIN</p>

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		<p>of which has to be specified, complies with at least one of the following:</p> <ul style="list-style-type: none">— UN Regulation No 12;— FMVSS No 203 (Impact protection for the driver from the steering control system) including FMVSS No 204 (Steering control rearward displacement);— Article 11 of JSRRV.
<p>a</p>		<p>(b) A test in accordance with Annex 3 to UN Regulation No 12 may be conducted on a production vehicle at the request of the applicant. The test shall be conducted by a technical service that has been designated for carrying out this test. A detailed report shall be issued by that</p>
	<p>a</p>	<p>Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).</p>

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		technical service to the applicant.
15A	UN Regulation No 17 (Seats strength — head restraints)	<p>Seats, seat anchorages and adjustment systems Seats and their adjustable systems shall comply with paragraph 5.3 of UN Regulation No 17. Head restraints</p> <p>(a) Head restraints shall fulfil the requirements of section 5 of UN Regulation No 17 and Annex 4 to UN Regulation No 17.</p> <p>(b) Only the tests described in paragraphs 5.12, 6.5, 6.6 and 6.7 of UN Regulation No 17 shall be conducted.</p>
17A	UN Regulation No 39 (Speedometer — reverse gear)	<p>Speedometer equipment</p> <p>(a) The dial shall comply with paragraphs 5.1 to 5.1.4 of UN Regulation No 39.</p> <p>(b) When the technical service has reasonable grounds to believe that the speedometer is not calibrated with a sufficient accuracy, it may require that the tests prescribed in paragraph 5.2 of UN Regulation No 39 be conducted.</p>

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		Reverse gear The gear mechanism shall include a reverse gear.
18A	Regulation (EU) No 19/2011 (Statutory plates)	<p>VIN</p> <p>(a) The vehicle shall be fitted with a VIN comprising a minimum of 8 and a maximum of 17 characters. VIN comprising 17 characters shall fulfil the requirements set out in international standards ISO 3779:1983 and 3780:1983.</p> <p>(b) The VIN shall be located in a clearly visible and accessible position in such a way as it cannot be obliterated or deteriorate.</p> <p>(c) Where no VIN is stamped in the chassis or in the body, a Member State may require that it is retrofitted in application of its national law. In such a case, the competent authority of that Member State shall supervise the operation.</p> <p>Statutory plate The vehicle shall be fitted with an identification plate affixed by the vehicle manufacturer.</p>

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		No additional plate shall be requested after the approval has been granted.
19A	UN Regulation No 14 (Seat belt anchorages)	The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, of which the VIN has to be specified, complies with at least one of the following: <ul style="list-style-type: none"> — UN Regulation No 14; — FMVSS No 210 (Seat belt assembly anchorages); — Article 22-3 of JSRRV.
20A	UN Regulation No 48 (Installation of lighting and light signalling devices)	(a) The lighting installation shall meet the essential requirements of UN Regulation No 48 series of amendments 03 with the exception of those of Annexes 5 and 6 to UN Regulation No 48. (b) No exemption shall be permitted in respect of the number, the essential design characteristics, the electrical connections, and the colour of light emitted or retro-reflected of the lights and signalling

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		<p>devices referred to in items 21 to 26 and in items 28 to 30.</p> <p>(c) Lights and signalling devices that, for the purpose of fulfilling with the requirements of point (a) must be retrofitted shall bear an 'EU' type-approval mark.</p> <p>(d) Lamps fitted with gas-discharged light source are only permitted in conjunction with the installation of headlamp cleaning device and an automatic headlamp-levelling device where appropriate.</p> <p>(e) Headlamp dipped-beams shall be adapted to the direction of traffic legally in force in the country where the vehicle is granted approval.</p>
21A	UN Regulation No 3 (Retro reflectors)	Where necessary, two additional retro reflectors bearing an 'EC' approval mark shall be added at the rear, the position of which shall comply with UN Regulation No 48.
22A	UN Regulations No 7, No 87 and No 91	The requirements set out in UN Regulations No 7,

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	(End-outline, front position (side), rear-position (side), stop, side marker, daytime running lamps)	No 87 and No 91 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
23A	UN Regulation No 6 (Direction indicators)	The requirements set out in UN Regulation No 6 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
24A	UN Regulation No 4 (Rear registration plate lamps)	The requirements set out in UN Regulation No 4 shall not apply. However, the correct functioning of the lights shall be checked by the technical service.
25C, 25E, 25F	UN Regulations No 98, No 112 and No 123 (Headlamps (including bulbs))	<p>(a) The illumination produced by the passing beam of the headlamps fitted to the vehicle shall be checked under the provisions of paragraph 6 of UN Regulation No 112 concerning headlamps emitting an asymmetrical passing beam. The tolerances included in Annex 5 to that Regulation may be referred to for that purpose.</p> <p>(b) The same requirement shall apply to the passing beam of headlamps covered by UN Regulation No 98 or No 123.</p>

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26A	UN Regulation No 19 (Front fog lamps)	The provisions of UN Regulation No 19 shall be waived. However, the correct functioning of the lights if fitted shall be checked by the technical service.
27A	Regulation (EU) No 1005/2010 (Towing hooks)	The requirements of Regulation (EU) No 1005/2010 shall be waived.
28A	UN Regulation No 38 (Rear fog lamps)	The provisions of UN Regulation No 38 shall be waived. However, the correct functioning of the lights shall be checked by the technical service.
29A	UN Regulation No 23 (Reversing lamps)	The provisions of UN Regulation No 23 shall be waived. However, the correct functioning of the lights if fitted shall be checked by the technical service.
30A	UN Regulation No 77 (Parking lamps)	The provisions of UN Regulation No 77 shall be waived. However, the correct functioning of the lights if fitted shall be checked by the technical service.
31A	UN Regulation No 16 (Seat belts and restraint systems)	<p>Components</p> <p>(a) Seat belts shall not be required to be type-approved in accordance with UN Regulation No 16.</p> <p>(b) However, each seat belt shall bear an identification label.</p> <p>(c) The indications on the label shall</p>

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		<p>be consistent with the decision concerning seat belt anchorages (Re: entry 19).</p> <p>Installation requirements</p> <p>(a) The vehicle shall be fitted with seat belts in accordance with the requirements set out in Annex XVI to UN Regulation No 16.</p> <p>(b) Where a number of seat belts have to be retrofitted in accordance with point (a), they shall be of an approved type in accordance with UN Regulation No 16.</p>
33A	UN Regulation No 121 (Identification of controls, tell-tales and indicators)	<p>(a) The symbols including the colour of their corresponding tell-tales the presence of which is mandatory by virtue of UN Regulation No 121 shall comply with that UN Regulation.</p> <p>(b) Where this is not the case, the technical service shall verify that the symbols, tell-tales and indicators fitted to the vehicle provide the driver with</p>

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		comprehensible information about the operation of the controls in question.
34A	Regulation (EU) No 672/2010 (Defrost/Demist)	The vehicle shall be equipped with adequate windscreen defrosting and windscreen demisting devices.
35A	Regulation (EU) No 1008/2010 (Wash/Wipe)	The vehicle shall be equipped with adequate windscreen washing and windscreen wiping devices.
36A	UN Regulation No 122 (Heating systems)	<p>(a) The passenger compartment shall be fitted with a heating system.</p> <p>(b) Combustion heaters and their installation shall comply with Annex 7 to UN Regulation No 122. In addition, LPG combustion heaters and LPG heating systems shall fulfil the requirements set out in Annex 8 to UN Regulation No 122.</p> <p>(c) Additional heating systems that are retrofitted shall comply with the requirements set out in UN Regulation No 122.</p>

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41A	Regulation (EC) No 595/2009 (Emissions (Euro VI) heavy-duty vehicles – OBD)	<p>Tailpipe emissions</p> <p>(a) A test shall be conducted in accordance with Annex III to Commission Regulation (EU) No 582/2011^a using the deterioration factors set out in point 3.6.1 of Annex VI to Regulation (EU) No 582/2011.</p> <p>(b) The limits to be applied shall be those set out in the table of Annex I to Regulation (EC) No 595/2009.</p> <p>(c) The fuel to be used for the test shall be the reference fuel as prescribed in Annex IX to Regulation (EU) No 582/2011.</p> <p>CO₂ emissions The CO₂ emissions and fuel consumption shall be determined in accordance with Annex VIII to Regulation (EU) No 582/2011.</p> <p>OBD</p> <p>(a) The vehicle shall be fitted with an OBD system.</p> <p>(b) The OBD-interface must be able to communicate with an external OBD scan-tool as described in Annex X to</p>
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		<p>Regulation (EU) No 582/2011. Requirements to ensure the correct operation of NO_x control measures The vehicle shall be fitted with a system ensuring the correct operation of NO_x control measures in accordance with Annex XIII to Regulation (EU) No 582/2011. Power measurement (a) The applicant shall submit a statement from the manufacturer stating the maximum engine power output in Kw as well as the corresponding regime. (b) An engine power output curve providing the same information may alternatively be provided by the applicant.</p>
45A	UN Regulation No 43	<p>Components (a) The glazing shall be made either of tempered or laminated safety glass. (b) Fitting of plastic glazing shall be permitted only on locations situated behind the 'B' pillar. (c) Glazing shall not be required to be approved under UN Regulation No 43.</p>

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		<p>Installation</p> <p>(a) The installation requirements set out in Annex 21 to UN Regulation No 43 shall apply.</p> <p>(b) No tinted films that reduce the regular light transmission under the required minimum shall be permitted on the windscreen and on the glazing located in front of the 'B' pillar.</p>
46A	Commission Regulation (EU) 458/2011 (Installation of tyres)	<p>Installation</p> <p>(a) The dimensions, load-capacity index and speed category of the tyres shall fulfil the requirements of Commission Regulation (EU) 458/2011.</p> <p>(b) The speed category symbol of the tyre shall be compatible with the maximum design speed of the vehicle.</p> <p>(c) This requirement shall apply notwithstanding the presence of a speed limiter.</p> <p>(d) The maximum speed of the vehicle shall be stated by the vehicle manufacturer.</p>

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		However, the technical service may assess the maximum design speed of the vehicle by using the engine maximum power output, the maximum number of revolutions per minute and the data concerning the kinematic chain.
46B	UN Regulation No 30 (C ₁ tyres)	Components Tyres shall bear a type-approval mark.
46D	UN Regulation No 117 (Tyre rolling sound emissions, adhesion on wet surface and rolling resistance)	Components Tyres shall bear a type-approval mark.
46E	Regulation (EC) No 661/2009 UN Regulation No 64 (Temporary use spare unit, run-flat tyres, tyre rolling sound emissions, adhesion on wet surface and rolling resistance)	Components Tyres shall bear type-approval mark. The fitting of TPMS shall not be required.
48A	Regulation (EU) No 1230/2012 (Masses and dimensions)	(a) The requirements of Annex I, Part A to Regulation (EU) No 1230/2012 shall be fulfilled. However, the requirements set out in point 5 of Part A of Annex I do not need to be fulfilled. (b) For the purposes of point (a) the

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masses to be considered are the following:

- the mass in running order as defined in point (4) of Article 2 of Regulation (EU) No 1230/2012 as measured by the technical service; and
- the maximum laden masses either stated by the vehicle manufacturer or shown on the manufacturer's plate, including stickers or information available in the owner's manual. Those masses shall be regarded

a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

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			as the technically permissible maximum laden masses.
		(c)	Technical changes made by the applicant in order to decrease the maximum technically permissible laden mass of the vehicle to 3,5 tonnes or less, so that the vehicle may be granted individual vehicle approval shall not be permitted.
		(d)	No exemption shall be permitted in respect of the maximum permissible dimensions.
49A	UN Regulation No 61 (External projections of cabs)	(a)	The general requirements set out in section 5 of UN Regulation No 17 shall be fulfilled.
		(b)	At the discretion of the technical service, the requirements set out in paragraphs 6.1, 6.5, 6.6, 6.7, 6.8 and 6.11 of UN Regulation No 17 shall be fulfilled.
50A	UN Regulation No 55		Separate technical units
a	Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).		

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(Couplings)	<p>(a) OEM couplings intended for towing a trailer of which the maximum mass does not exceed 1 500 kg shall not be required to be type-approved under UN Regulation No 55.</p> <p>(b) A coupling is deemed OEM equipment where it is described in the owner's manual or in an equivalent supporting document provided to the buyer by the vehicle manufacturer.</p> <p>(c) Where such coupling is approved with the vehicle, an appropriate text shall be included in the approval certificate stating that the owner is responsible for ensuring compatibility with the coupling device fitted to the trailer.</p> <p>(d) Couplings other than those referred to in point (a), as well as couplings that are retrofitted, shall be type-approved in</p>
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a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

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		<p>accordance with UN Regulation No 55.</p> <p>Installation on the vehicle The technical service shall check that the installation of the coupling devices comply with paragraph 6 to UN Regulation No 55.</p>
54	UN Regulation No 95 (Side impact)	<p>(a) The applicant shall submit a statement from the manufacturer establishing that the particular vehicle, of which the VIN has to be specified, complies with at least one of the following:</p> <ul style="list-style-type: none"> — UN Regulation No 95; — FMVSS No 214 (Side impact protection); — Article 18 of JSRRV. <p>(b) A test in accordance with section 5 of UN Regulation No 95 may be conducted on a production vehicle at the request of the applicant.</p> <p>(c) The test shall be conducted by a technical service that been designated for carrying out this test. A detailed</p>

a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

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		report shall be issued by that technical service to the applicant.
56A	UN Regulation No 105 (Vehicles intended for the transport of dangerous goods)	Vehicles intended for the transport of dangerous goods shall comply with UN Regulation No 105.
58	Regulation (EC) No 78/2009 (Pedestrian protection)	Brake assist Vehicles shall be fitted with an electronic antilock braking system acting on all wheels. Pedestrian protection Until 24 February 2018, the requirements of Regulation (EC) No 78/2009 shall not apply to vehicles of which the maximum mass does not exceed 2 500 kg and until 24 August 2019 to vehicles of which the maximum mass exceeds 2 500 kg. Frontal protection systems However, frontal protection systems installed on the vehicle shall be type-approved in accordance with Regulation (EC) No 78/2009 and their installation shall comply with the requirements set out in point 6 of Annex I to that Regulation.
59	Directive 2005/64/EC (Recyclability)	The requirements of that Directive shall not apply.
61	Directive 2006/40/EC (Air-conditioning system)	The requirements of that Directive shall apply.
72	Regulation (EU) 2015/758 (eCall system)	The requirements of that Regulation shall not apply.

a Commission Regulation (EU) No 582/2011 of 25 May 2011 implementing and amending Regulation (EC) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles (Euro VI) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council (OJ L 167, 25.6.2011, p. 1).

Explanatory notes to Appendix 2

1. Abbreviations used in this Appendix: **U.K.**

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‘OEM’	: original equipment provided by the manufacturer
‘FMVSS’	: Federal Motor Vehicle Safety Standard of the U.S. Department of Transportation
‘JSRRV’	: Japan Safety Regulations for Road Vehicles
‘SAE’	: Society of Automotive Engineers
‘CISPR’	: Comité international spécial des perturbations radioélectriques.

2. Remarks: **U.K.**

- (a) the complete LPG or CNG installation shall be checked against the UN Regulations No 67, No 110 or No 115, as appropriate;
- (b) the formula to be used for the assessment of CO₂ emissions shall be as follows:

Petrol engine and manual gearbox:

$$\text{CO}_2 = 0,047 m + 0,561 p + 56,621$$

Petrol engine and automatic gearbox

$$\text{CO}_2 = 0,102 m + 0,328 p + 9,481$$

Petrol engine and hybrid electric:

$$\text{CO}_2 = 0,116 m - 57,147$$

Diesel engine and manual gearbox:

$$\text{CO}_2 = 0,108 m - 11,371$$

Diesel engine and automatic gearbox:

$$\text{CO}_2 = 0,116 m - 6,432$$

Where: CO₂ is the combined mass of CO₂ emissions in g/km, ‘m’ is the mass of the vehicle in running order in kg and ‘p’ the maximum engine power output in kW.

Combined mass of CO₂ shall be calculated with one decimal place, then rounded to the nearest whole number as follows:

- (i) if the figure following the decimal point is below 5, the total is rounded down;
- (ii) if the figure following the decimal point is equal to 5 or above 5, the total is rounded up;

- (c) the formula to be used for the assessment of fuel consumption shall be as follows:

$$\text{CFC} = \text{CO}_2 \times k^{-1}$$

Where: CFC is the combined fuel consumption in l/100 km, CO₂ is the combined mass of CO₂ emissions in g/km after it has been rounded in accordance with the rule referred to in Remark (2 b), ‘k’ a coefficient equal to:

23,81 in the case of a petrol engine;

26,49 in the case of a diesel engine.

Combined fuel consumption shall be calculated with two decimal places, then rounded as follows:

- (i) if the figure following the first decimal is below 5, the total is rounded down;

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- (ii) if the figure following the first decimal is equal to 5 or above 5, the total is rounded up.

PART II **U.K.**

List of UN Regulations recognised as an alternative to the Directives or Regulations referred to in Part I

Where reference is made to a separate Directive or Regulation in the table of Part I, an approval granted under the following UN Regulations which the Union has accepted as a Contracting Party to the 'Revised 1958 Agreement' by virtue of Decision 97/836/EC, or subsequent Council Decisions as referred to in Article 3(3) of that Decision, shall be considered as equivalent to an EU type-approval granted under the relevant separate Directive or Regulation.

Any further amendment to the UN Regulations listed in the following table⁽¹⁾ shall also be deemed to be equivalent to an EU type-approval, subject to the Decision referred to in Article 4(2) of Decision 97/836/EC.

	Subject	UN Regulation number	Series of amendments
1A ^a	Permissible sound level (not covering AVAS and replacement silencers)	51	03
	AVAS	138	00
	Replacement silencing systems	59	02
9B	Braking of passenger cars (ESC part)	140	00
58	Pedestrian protection (not covering brake assist)	127 (pedestrian protection)	00
	Pedestrian protection (brake assist part)	13-H (brake assist) or 139 (brake assist)	00 (Supplement 9 and above) 00
65	Advanced emergency braking system	131	01
66	Lane departure warning system	130	00

Where the separate Directive or Regulation contains installation requirements, these apply also to components and separate technical units approved in accordance with UN Regulations.

^a The numbering of the entries in this table refers to the numbering used in the table of Part I.

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PART III U.K.

List of regulatory acts setting out the requirements for the purpose of EU type-approval of special purpose vehicles

Appendix 1 U.K.

Motor-caravans, ambulances and hearses

Item	Subject	Regulatory act reference	M ₁ ≤ 2 500 kg ^a	M ₁ > 2 500 kg ^a	M ₂	M ₃
1A	Sound level	Regulation (EU) No 540/2014	H	G+H	G+H	G+H
2	Emissions (Euro 5 and Euro 6) light duty vehicles / access to information	Regulation (EC) No 715/2007	Q ⁽¹⁾	G+Q ⁽¹⁾	G+Q ⁽¹⁾	
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	F ⁽²⁾	F ⁽²⁾	F ⁽²⁾	F ⁽²⁾
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58	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

^a Technically permissible maximum laden mass.

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5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X	G	G	G
6A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X	X		
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	B	G+B		
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	X	X	X	X
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	X	G	G	G
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13			G ⁽³⁾	G ⁽³⁾
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	X ⁽⁴⁾	G+A ₁		
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009	X	X	X	X

a Technically permissible maximum laden mass.

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		UN Regulation No 10				
12A	Interior fittings	Regulation (EC) No 661/2009 UN Regulation No 21	C	G+C		
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18			G ^(4A)	G ^(4A)
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116	X	G		
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12	X	G		
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	D	G+D	G+D ^(4B)	G+D ^(4B)
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 80			X	X
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26	X for the cab; A +Z for the remaining part	G for the cab; A +Z for the remaining part		

a Technically permissible maximum laden mass.

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17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X	X	X	X
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X	X	X	X
18A	Manufacturer statutory plate and VIN	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X	X	X	X
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UN Regulation No 14	D	G+L	G+L	G+L
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	A+N	A+G+N for the cab; A+N for the remaining part	A+G+N for the cab; A+N for the remaining part	A+G+N for the cab; A+N for the remaining part
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 3	X	X	X	X
22A	Front and rear position lamps, stop-lamps and end-outline marker	Regulation (EC) No 661/2009 UN Regulation No 7	X	X	X	X

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	lamps for motor vehicles and their trailers					
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87	X	X	X	X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X	X	X	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	X	X	X	X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 4	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 UN Regulation No 31	X	X	X	X

a Technically permissible maximum laden mass.

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25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 37	X	X	X	X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN Regulation No 98	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 UN Regulation No 99	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 UN Regulation No 112	X	X	X	X
25F	Adaptive front-lighting	Regulation (EC) No 661/2009	X	X	X	X

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	systems (AFS) for motor vehicles	UN Regulation No 123				
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	X	X	X	X
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	E	E	E	E
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 38	X	X	X	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X	X	X	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77	X	X	X	X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	D	G+M	G+M	G+M

a Technically permissible maximum laden mass.

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32A	Forward field of vision	Regulation (EC) No 661/2009 UN Regulation No 125	X	G		
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X	X	X	X
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	X	G ⁽⁵⁾	(⁵)	(⁵)
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	X	G ⁽⁶⁾	(⁶)	(⁶)
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X	X	X	X
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	X	G		
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UN Regulation No 25	D	G+D		

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44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X	X		
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	J	G+J	G+J	G+J
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X	G	G	G
46B	Pneumatic tyres for motor vehicles and their trailers (Class C ₁)	Regulation (EC) No 661/2009 UN Regulation No 30	X	G		
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 54	—	G	G	G
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	X	G	G	G
46E	Temporary-use spare unit, run-flat tyres/	Regulation (EC) No 661/2009	X	G		

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	system and tyre pressure monitoring system	UN Regulation No 64				
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UN Regulation No 89			X	X
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012			X	X
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	X ⁽¹⁰⁾	G ⁽¹⁰⁾	G ⁽¹⁰⁾	G ⁽¹⁰⁾
51A	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 118				G for the cab; X for the remaining part
52A	M ₂ and M ₃ vehicles	Regulation (EC) No 661/2009 UN Regulation No 107			A	A
52B	Strength of the superstructure of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 66			A	A
53A	Protection of occupants	Regulation (EC) No 661/2009	N/A	N/A		

a Technically permissible maximum laden mass.

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	in the event of a frontal collision	UN Regulation No 94				
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UN Regulation No 95	N/A	N/A		
58	Pedestrian protection	Regulation (EC) No 78/2009	X	N/A However, any frontal protection systems supplied with the vehicle shall comply and shall be marked		
59	Recyclability	Directive 2005/64/EC	N/A	N/A		
61	Air-conditioning system	Directive 2006/40/EC	X	G ⁽¹⁴⁾		
62	Hydrogen system	Regulation (EC) No 79/2009	Q	G+Q	G+Q	G+Q
63	General safety	Regulation (EC) No 661/2009	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012	X	G		
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012			N/A ⁽¹⁶⁾	N/A ⁽¹⁶⁾

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66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012			N/A ⁽¹⁷⁾	N/A ⁽¹⁷⁾
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X	X	X	X
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97	X	G		
69	Electrical safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	X	X	X
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	X	X	X
72	eCall system	Regulation (EU) 2015/758	G	G	N/A	N/A

a Technically permissible maximum laden mass.

Additional requirements for ambulances

The patient compartment of ambulances shall comply with the requirements of EN 1789:2007 +A1: 2010 +A2:2014 on Medical vehicles and their equipment – Road ambulances with the exception of section 6.5, list of equipment. Proof of compliance shall be provided with a test report of a technical service. If a wheelchair space is foreseen, the requirements of Appendix 3 relating to the wheelchair tie-down and occupant restraint systems shall apply.

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9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	X ⁽⁴⁾		X ⁽⁴⁾						
10A	Electronic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X	X	X	X	X	X	X	X	X
12A	Interior fittings	Regulation (EC) No 661/2009 UN Regulation No 21									
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18	X ^(4A)	X ^(4A)		X ^(4A)	X ^(4A)				
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116			X						
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12			N/A						

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19A	Safety-belt anchorages, Isofix anchorages systems and top tether anchorages	Regulation (EC) No 661/2009 Regulation No 14	Non	A	A	A	A	A				
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	Non	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 3	Non	X	X	X	X	X	X	X	X	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 UN Regulation No 7	Non	X	X	X	X	X	X	X	X	X
22B	Daytime running	Regulation (EC)	Non	X	X	X	X	X				

Status: Point in time view as at 30/05/2018.

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	lamps for power-driven vehicles	No 661/2009 UN Regulation No 87										
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X	X	X	X	X	X	X	X	X	X
23A	Directional indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	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 UN Regulation No 4	X	X	X	X	X	X	X	X	X	X
25A	Power-driven vehicle sealed beam headlamps (SB) emitting an European asymmetrical passing beam or a driving	Regulation (EC) No 661/2009 UN Regulation No 31	X	X	X	X	X					

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	beam or both											
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 37	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 UN Regulation No 98	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 UN Regulation No 99	X	X	X	X	X					
25E	Motor vehicle headlamps emitting an asymmetric passing beam	Regulation (EC) No 661/2009 UN Regulation No 112	X	X	X	X	X					

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	for power-driven vehicles and their trailers	No 661/2009 UN Regulation No 23										
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77	X	X	X	X	X					
31A	Safety belts, restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	A	A	A	A	A					
32A	Forward field of vision	Regulation (EC) No 661/2009 UN Regulation No 125										
33A	Location and identification of hand controls and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X	X	X	X	X					
34A	Windscreens and demisting systems	Regulation (EC) No 661/2009 UN Regulation (EU)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)					

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		No 672/2010										
35A	Windscreens, wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	(6)	(6)	(6)	(6)	(6)					
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X	X	X	X	X	X	X	X	X	X
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	X									
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UN Regulation No 25	X									
41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	X (9)	X	X (9)	X (9)	X					
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UN Regulation				X	X				X	X

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		No 73										
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011			X	X	X	X	X	X	X	X
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X									
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	A	A	A	A	A	A	A	A	A	A
46B	Pneumatic tyres for motor vehicles and their trailers (Class C ₁)	Regulation (EC) No 661/2009 UN Regulation No 30			A			A	A			
46C	Pneumatic tyres for commercial vehicles	Regulation (EC) No 661/2009	A	A	A	A	A				A	A

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		No 1230/2012									
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UN Regulation No 1230/2012			A	A	A				
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) (10) No 661/2009 UN Regulation No 55	X (10)	X (10)	X (10)	X (10)	X (10)	X	X	X	X
50B	Close- coupling device (CCD), fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102				X (10)	X (10)			X (10)	X (10)
51A	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 118		X							
52A	M ₂ and	Regulation (EC)	A	A							

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	M ₃ vehicles	No 661/2009 UN Regulation No 107									
52B	Strengthening of the superstructure of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 66	A	A							
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UN Regulation No 64									
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UN Regulation No 65			N/A						
56A	Vehicle for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105			X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾
57A	Front underrun protection devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UN Regulation No 63; Regulation (EC) No 661/2009 UN Regulation No 63				X	X				

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Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date.

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58	Pedestrian protection	Regulation (EC) No 78/2009	N/A			N/A						
59	Recycling	Directive 2005/64/EC	N/A			N/A						
61	Air-conditioning system	Directive 2006/40/EC	X			X ⁽¹⁴⁾						
62	Hydrogen system	Regulation (EC) No 79/2009	A	A	A	A	A					
63	General Safety	Regulation (EC) No 661/2009 ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾
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	(¹⁶)	(¹⁶)		(¹⁶)	(¹⁶)					
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012	(¹⁷)	(¹⁷)		(¹⁷)	(¹⁷)					
67	Specific components for liquefied petroleum gases	Regulation (EC) No 661/2009 UN Regulation	X	X	X	X	X					

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	(LPG) No and their installation on motor vehicles	No 67										
68	Vehicle alarm system (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97	X		X							
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	X	X	X	X					
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	X	X	X	X					
72	eCall system	Regulation (EU) 2015/758	N/A	N/A	G	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix 3 **U.K.**

Wheelchair accessible vehicles

Item	Subject	Regulatory act	M ₁
1A	Sound level	Regulation (EU) No 540/2014	G+W ₉
2	Emissions (Euro 5 and Euro 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	G+W ₁

Status: Point in time view as at 30/05/2018.

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3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	X+W ₂
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58	X
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	G
6A	Vehicle access and manoeuvrability (steps, running boards and handholds)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	X
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	X
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	X
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	G+A ₁
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X
12A	Interior fittings	Regulation (EC) No 661/2009 UN Regulation No 21	G+C
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116	X
14A	Protection of the driver against the	Regulation (EC) No 661/2009	G

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	steering mechanism in the event of impact	UN Regulation No 12	
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	G+W ₃
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26	G+W ₄
17A	Vehicle access and manoeuvrability (reverse gear)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X
18A	Manufacturer's statutory plate and VIN	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UN Regulation No 14	X+W ₅
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	X
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN Regulation No 7	X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87	X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X
23A	Direction indicators for power-driven	Regulation (EC) No 661/2009	X

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	vehicles and their trailers	UN Regulation No 6	
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 37	X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 112	X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123	X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	X
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	E

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28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 38	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77	X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	X+W ₆
32A	Forward field of vision	Regulation (EC) No 661/2009 UN Regulation No 125	G
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	G ⁽⁵⁾
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	G ⁽⁶⁾
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	G
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UN Regulation No 25	X

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41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	X+W ₁ ⁽⁹⁾
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X+W ₈
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	G
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X
46B	Pneumatic tyres for motor vehicles and their trailers (Class C ₁)	Regulation (EC) No 661/2009 UN Regulation No 30	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	X
46E	Temporary-use spare unit, run-flat tyres/ system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64	G ^(9A)
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	X ⁽¹⁰⁾
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UN Regulation No 94	N/A
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UN Regulation No 95	N/A
58	Pedestrian protection	Regulation (EC) No 78/2009	G
59	Recyclability	Directive 2005/64/EC	N/A

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61	Air-conditioning systems	Directive 2006/40/EC	G
62	Hydrogen system	Regulation (EC) No 79/2009	X
63	General Safety	Regulation (EC) No 661/2009	X ⁽¹⁵⁾
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012	G
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97	X
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100	X
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X
72	eCall system	Regulation (EU) 2015/758	G

Additional requirements for testing the wheelchair tie-down and occupant restraint system

The following point 2 and either point 3 or 4 shall apply.

1. Definitions **U.K.**
 - 1.1. Surrogate wheelchair (SWC) means a rigid, re-usable test wheelchair, as defined in section 3 of international standard ISO 10542-1:2012.
 - 1.2. Point P means a representation of the position of the wheelchair occupant's hip when seated in the SWC, as defined in section 3 of international standard ISO 10542-1:2012.
2. General requirements **U.K.**
 - 2.1. Each wheelchair location shall be provided with anchorages to which a wheelchair tie-down and occupant restraint system (WTORS) shall be fitted.
 - 2.2. The wheelchair occupant's lower belt anchorages shall be located in accordance with UN Regulation No 14.07, paragraph 5.4.2.2, relative to Point P on the SWC, when placed in the travelling position designated by the manufacturer. The upper actual

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anchorage(s) shall be located at least 100 mm above the horizontal plane passing through the points of contact between the rear tyres of the SWC and the vehicle floor. That condition shall still be satisfied after the test carried out in accordance with point 3 of this Appendix.

2.3. An assessment shall be made of the WTORS occupant belt to ensure compliance with the UN Regulation No 16.06, paragraphs 8.2.2 to 8.2.2.4 and 8.3.1 to 8.3.4.

2.4. The minimum number of ISOFIX child seat anchorages need not to be provided. In the case of a multi-stage type-approval where an ISOFIX anchorage system has been affected by the conversion, either the system shall be re-tested or the anchorages shall be rendered unusable. In the latter case the ISOFIX labels shall be removed and appropriate information shall be given to the vehicle purchaser.

3. Static in-vehicle testing **U.K.**

3.1. Wheelchair occupant restraint anchorages **U.K.**

3.1.1. The wheelchair occupant restraint anchorages shall resist the static forces prescribed for occupant restraint anchorages in UN Regulation No 14.07, simultaneously with the static forces applied to the wheelchair tie-down anchorages as specified in point 3.2 of this Appendix.

3.2. Wheelchair tie-down anchorages **U.K.**

The wheelchair tie-down anchorages shall resist the following forces, for at least 0,2 seconds, applied via the SWC (or a suitable surrogate wheelchair having a wheelbase, seat height and tie-down attachment points in accordance with the specification for the SWC), at a height of 300 +/- 100 mm from the surface on which the SWC rests:

3.2.1. In the case of a forward-facing wheelchair, a simultaneous force, coincident with the force applied to the occupant restraint anchorages, of 24,5 kN, and

3.2.2. a second test applying a static force of 8,2 kN directed towards the rear of the vehicle.

3.2.3. In the case of a rearward-facing wheelchair, a simultaneous force, coincident with the force applied to the occupant restraint anchorages, of 8,2 kN, and

3.2.4. a second test applying a static force of 24,5 kN directed towards the front of the vehicle.

3.3. Components of the system **U.K.**

3.3.1. All components of the WTORS shall meet the relevant requirements of international standard ISO 10542-1:2012. However, the dynamic test specified in Annex A and paragraphs 5.2.2 and 5.2.3 of international standard ISO 10542-1:2012 shall be carried out on the complete WTORS using the vehicle anchorage geometry instead of the test geometry specified in Annex A of international standard ISO 10542-1:2012. This may be carried out within the vehicle structure or on a surrogate structure representative of the vehicle's WTORS anchorage geometry. The location of each anchorage shall lie within the tolerance provided for in paragraph 7.7.1 of UN Regulation No 16.06.

3.3.2. Where the occupant restraint part of the WTORS is approved in accordance with UN Regulation No 16.06, it shall be subject to the dynamic test of the complete WTORS specified in paragraph 3.3.1 of this Appendix but the requirements of paragraphs 5.1, 5.3 and 5.4 of international standard ISO 10542-1:2012 shall be considered to have been met.

4. Dynamic in-vehicle testing **U.K.**

Status: Point in time view as at 30/05/2018.

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- 4.1. The full assembly of the WTORS system shall be tested by an in-vehicle dynamic test in accordance with paragraphs 5.2.2 and 5.2.3 and Annex A of international standard ISO 10542-1:2012, testing all components/anchorages simultaneously, using a vehicle body-in-white or representative structure.
- 4.2. The component parts of the WTORS shall meet the relevant requirements of international standard ISO 10542-1:2012, paragraphs 5.1, 5.3 and 5.4. These requirements shall be deemed to have been met in respect of the occupant restraint if it is approved in accordance with UN Regulation No 16.06.

Appendix 4 Other special purpose vehicles (including special group, multi-equipment carrier and trailer caravans)

The exemptions provided for in this Appendix are only permitted if the manufacturer demonstrates to the satisfaction of the approval authority that the vehicle, due to the special function, cannot meet all the requirements set out in Part I of this Annex.

Item	Subject	Reference to regulatory act	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
1A	Sound level	Regulation (EU) No 540/2014	H	H	H	H	H			
2	Emission (Euro 5 and Euro 6) light duty vehicles/ access to information	Regulation (EC) No 715/2007		Q +V ₁ (1)	Q +V ₁ (1)					
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	F	F	F	F	X	X	X	X
3B	Rear underrun protection devices (RUPDs) and their	Regulation (EC) No 661/2009 UN Regulation	X	A	A	A	X	X	X	X

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details)

	installa rear underrun protection (RUP)	Non; 58									
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 and Regulation (EU) No 1003/2010	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X	X	X	X	X	X	X	X	X
6A	Vehicle access and manoeuvring (steps, running boards and handholds)	Regulation (EC) No 661/2009 and Regulation (EU) No 130/2012	X	B	B	B					
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11		B							
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	X	X	X	X					
8A	Devices for indirect vision	Regulation (EC) No 661/2009	X	X	X	X					

Status: Point in time view as at 30/05/2018.

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	and their installation	UN Regulation No 46								
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾ +U ₁	X ⁽³⁾ +U ₁	X	X	X ⁽³⁾	X ⁽³⁾
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H		X ⁽⁴⁾						
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X	X	X	X	X	X	X	X
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18	X ^(4A)		X ^(4A)	X ^(4A)				
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116		X						
14A	Protection of the driver against the	Regulation (EC) No 661/2009 UN Regulation		X						

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details)

	steering mechanism in the event of impact	No 12								
15A	Seats, their anchorages and any head restraint	Regulation (EC) No 661/2009 UN Regulation No 17	Don (^{4B}) (^{4B})	D	D	D				
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 80	Don							
17A	Vehicle access and manoeuvres (reverse gear)	Regulation (EC) No 661/2009 UN Regulation (EU) No 130/2012	X	X	X	X				
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X	X	X	X				
18A	Manufacturer's statutory plate and VIN	Regulation (EC) No 661/2009 UN Regulation (EU) No 19/2011	X	X	X	X	X	X	X	X
19A	Safety belt anchorages,	Regulation (EC)	Don	D	D	D				

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details)

	Isofix No anchorage systems and Isofix top tether anchorages	No 661/2009 UN Regulation No 14									
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N	A+N
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 3	X	X	X	X	X	X	X	X	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 UN Regulation No 7	X	X	X	X	X	X	X	X	X
22B	Daytime running lamps for power-	Regulation (EC) No 661/2009 UN Regulation	X	X	X	X					

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	driven No vehicle87										
22C	Side- marker lamps for motor vehicle and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X	X	X	X	X	X	X	X	X
23A	Directional indicator for power- driven vehicle and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	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 UN Regulation No 4	X	X	X	X	X	X	X	X	X
25A	Power- driven vehicle sealed beam headlamps (SB) No emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UN Regulation No 31	X	X	X	X					

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details)

25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 37	Non	X	X	X	X	X	X	X	X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN Regulation No 98	Non	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 UN Regulation No 99	Non	X	X	X	X				
25E	Motor vehicle headlamps emitting an asymmetric passing beam or a driving beam	Regulation (EC) No 661/2009 UN Regulation No 112	Non	X	X	X	X				

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	vehicles and their trailers	UN Regulation No 23								
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77	X	X	X	X				
31A	Safety belts, restraint systems child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	D	D	D	D				
33A	Location and identification of hand control tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X	X	X	X				
34A	Windscreens and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(5)	(5)	(5)	(5)				
35A	Windscreens wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	(6)	(6)	(6)	(6)				

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36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X	X	X	X	X	X	X	X
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UN Regulation No 25								
41A	Emission (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	H	H ⁽⁹⁾	H ⁽⁹⁾	H				
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UN Regulation No 73			X	X			X	X
43A	Spray suppression systems	Regulation (EC) No 661/2009 UN Regulation (EU) No 109/2011		X	X	X	X	X	X	X
45A	Safety glazing materials and their installation	Regulation (EC) No 661/2009 UN Regulation	J	J	J	J	J	J	J	J

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46E	Temporary use spare unit, run-flat tyres/ system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64		X ^(9A)						
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UN Regulation No 89	X		X	X				
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X	X	X	X	X	X	X	X
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UN Regulation No 10		X	X	X				
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 10	X ⁽¹⁰⁾	X ⁽¹⁰⁾	X ⁽¹⁰⁾	X ⁽¹⁰⁾	X	X	X	X

Status: Point in time view as at 30/05/2018.

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		No 55								
50B	Close-coupling device (CCD) fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102			X (¹⁰)	X (¹⁰)			X (¹⁰)	X (¹⁰)
51A	Burning behaviour of materials used in the interior construction of certain categories of motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 118	X							
52A	M ₂ and M ₃ vehicles	Regulation (EC) No 661/2009 UN Regulation No 107	X							
52B	Strength of the superstructure of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 66	X							
54A	Protection of occupants in the event of	Regulation (EC) No 661/2009 UN Regulation		A						

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	lateral collision	No 95									
56A	Vehicle for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105		X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾	X ⁽¹³⁾
57A	Front underrun protection devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 (FUPD); Regulation No 95			X	X					
58	Pedestrian protection	Regulation (EC) No 78/2009		N/A ⁽²⁾							
59	Recycling	Directive 2005/64/EC		N/A							
61	Air-conditioning systems	Directive 2006/40/EC		X ⁽¹⁴⁾							
62	Hydrogen system	Regulation (EC) No 79/2009	X	X	X	X					
63	General Safety	Regulation (EC) No 661/2009 ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾	X ⁽¹⁵⁾
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A		N/A	N/A					

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date. Changes that have been made appear in the content and are referenced with annotations. (See end of Document for details)

66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012	N/A	N/A	N/A	N/A				
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X	X	X	X				
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97		X						
69	Electrical safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	X	X	X				
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	X	X	X				
72	eCall system	Regulation (EU) 2015/758	N/A	G	N/A	N/A	N/A	N/A	N/A	N/A

Status: Point in time view as at 30/05/2018.

Changes to legislation: Regulation (EU) 2018/858 of the European Parliament and of the Council, ANNEX II is up to date with all changes known to be in force on or before 02 July 2024. There are changes that may be brought into force at a future date.

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Appendix 5 **U.K.**

Mobile cranes

Item	Subject	Reference to regulatory act	N ₃
1A	Sound level	Regulation (EU) No 540/2014	T+Z ₁
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	X
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58	A
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X Crab steering allowed
6A	Vehicle access and manoeuvrability (steps, running boards and handholds)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	A
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	X
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	X
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	U ⁽³⁾
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18	X ^(4A)

Status: Point in time view as at 30/05/2018.

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15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	X
17A	Vehicle access and manoeuvrability (reverse gear)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X
18A	Manufacturer's statutory plate and VIN	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UN Regulation No 14	X
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	A+Y
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN 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 UN Regulation No 7	X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87	X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	X
24A	Illumination of rear-registration plates of power-driven	Regulation (EC) No 661/2009 UN Regulation No 4	X

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	vehicles and their trailers		
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 UN 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 UN Regulation No 37	X
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 112	X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123	X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	X
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	A
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 38	X

Status: Point in time view as at 30/05/2018.

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29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 77	X
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	X
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(⁵)
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	(⁶)
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X
41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	V
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UN Regulation No 73	A
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011	Z ₁
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	J
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X

Status: Point in time view as at 30/05/2018.

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46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 54	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	X
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UN Regulation No 89	X
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	A
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UN Regulation No 61	A
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	X ⁽¹⁰⁾
50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102	X ⁽¹⁰⁾
57A	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UN Regulation No 93	X
62	Hydrogen system	Regulation (EC) No 79/2009	X
63	General Safety	Regulation (EC) No 661/2009	X ⁽¹⁵⁾
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A ⁽¹⁶⁾
66	Lane departure warning system	Regulation (EC) No 661/2009	N/A ⁽¹⁷⁾

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		Regulation (EU) No 351/2012	
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100	X
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X

Appendix 6 **U.K.**

Exceptional load transport vehicles

Item	Subject	Reference to regulatory act	N ₃	O ₄
1	Permissible sound level	Directive 70/157/EEC	T	
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	X	X
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58	A	A
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X	A+R
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X Crab steering allowed	X
6A	Vehicle access and	Regulation (EC) No 661/2009	X	

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	manoeuvrability (steps, running boards and handholds)	Regulation (EU) No 130/2012		
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	X	
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	X	
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	U ⁽³⁾	X ⁽³⁾
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X	X
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 18	X ^(4A)	
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	X	
17A	Vehicle access and manoeuvrability (reverse gear)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X	
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X	
18A	Manufacturer's statutory plate and VIN	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X	X
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UN Regulation No 14	X	

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20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UN Regulation No 48	X	A+N
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 3	X	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 UN Regulation No 7	X	X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 87	X	
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 91	X	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	X	X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 4	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 UN Regulation No 31	X	
25B	Filament lamps for use in approved lamp units of power-	Regulation (EC) No 661/2009 UN Regulation No 37	X	X

Status: Point in time view as at 30/05/2018.

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	driven vehicles and their trailers			
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UN 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 UN 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 UN Regulation No 112	X	
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123	X	
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	X	
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	A	
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 38	X	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009	X	

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		UN Regulation No 77		
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UN Regulation No 16	X	
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UN Regulation No 121	X	
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(⁵)	
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	(⁶)	
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	X	
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009	X (⁹)	
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UN Regulation No 73	X	A
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011	X	A
45	Safety glazing	Directive 92/22/EEC	X	
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	X	
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X	I

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46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 54	X	I
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C ₁ , C ₂ and C ₃)	Regulation (EC) No 661/2009 UN Regulation No 117	X	I
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UN Regulation No 89	X	
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	A	A
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UN Regulation No 61	A	
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	X ⁽¹⁰⁾	X
50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102	X ⁽¹⁰⁾	X ⁽¹⁰⁾
56A	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105	X ⁽¹³⁾	X ⁽¹³⁾
57A	Front underrun protective devices (FUPDs) and their installation;	Regulation (EC) No 661/2009 UN Regulation No 93	A	

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	front underrun protection (FUP)			
62	Hydrogen system	Regulation (EC) No 79/2009	X	
63	General Safety	Regulation (EC) No 661/2009	X ⁽¹⁵⁾	X ⁽¹⁵⁾
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A ⁽¹⁶⁾	
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012	N/A ⁽¹⁷⁾	
67	Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 67	X	
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	

Explanatory Notes on the applicability of the requirements in this Part

X The requirements set out in the relevant regulatory act are applicable. The series of amendments of the UN Regulations that apply on a compulsory basis are listed in Annex IV to Regulation (EC) No 661/2009. The series of amendments adopted subsequently are accepted as an alternative. Member States may grant extensions to existing type-approvals granted in accordance with the Directives repealed by Regulation (EC) 661/2009 under the conditions laid down in Article 13(14) of that Regulation.

N/A This regulatory act is not applicable to this vehicle (no requirements).

⁽¹⁾ For vehicles with a reference mass not exceeding 2 610 kg. At the manufacturer's request, Regulation (EC) No 715/2007 may apply to vehicles with a reference mass not exceeding 2 840 kg. **U.K.**

With regard to access to information, for other parts (e.g. living compartment) than the base vehicle, it is sufficient that the manufacturer provides access to vehicle repair and maintenance information in a readily accessible and prompt manner.

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- (²) In case of vehicles equipped with a LPG or CNG installation, a vehicle type-approval in accordance with UN Regulation No 67 or UN Regulation No 110 is required.
- (³) The fitting of an ESC system is required by Article 12 and Article 13 of Regulation (EC) No 661/2009. However, in accordance with UN Regulation No 13, the fitting of an ESC system is not required for special purpose vehicles of categories M₂, M₃, N₂ and N₃ and for vehicles for exceptional load transport and trailers with areas for standing passengers. N₁ vehicles may be approved in accordance with UN Regulations No 13 or No 13-H.
- (⁴) The fitting of an ESC system is required by Article 12 and Article 13 of Regulation (EC) No 661/2009. Therefore, the requirements set out in Part A of Annex 9 to UN Regulation No 13-H shall be fulfilled. N₁ vehicles may be approved in accordance with UN Regulation No 13 or UN Regulation No 13-H.
- (^{4A}) If fitted, the protective device shall fulfil the requirements set out in UN Regulation No 18.
- (^{4B}) This Regulation applies to seats not falling within the scope of UN Regulation No 80. For other options, see Article 2 of Regulation (EC) No 595/2009.
- (⁵) Vehicles of categories other than M₁ do not need to fully comply with Regulation (EU) No 672/2010 but shall be fitted with a windscreen defrosting and demisting device.
- (⁶) Vehicles of categories other than M₁ do not need to fully comply with Regulation (EU) No 1008/2010 but shall be fitted with a windscreen washing and wiping devices.
- (⁸) For vehicles with a reference mass exceeding 2 610 kg and that did not benefit from the possibility offered in note (¹).
- (⁹) For vehicles with a reference mass exceeding 2 610 kg that 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 parts than the base vehicle, it is sufficient that the manufacturer provides access to vehicle repair and maintenance information in a readily accessible and prompt manner.
- (^{9A}) Applies only where such vehicles are fitted with equipment covered by UN 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.
- (¹⁰) Applies only to vehicles equipped with coupling(s).
- (¹¹) Applies to vehicles with a technically permissible maximum laden mass not exceeding 2,5 tonnes.
- (¹²) 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.
- (¹³) Applies only where the manufacturer applies for type-approval of vehicles intended for the transport of dangerous goods.
- (¹⁴) Applies only for vehicles of category N₁, class I (reference mass ≤ 1 305 kg).
- (¹⁵) At the request of the manufacturer, a type-approval may be granted under this item, as an alternative to obtaining type-approvals under each individual item covered by Regulation (EC) No 661/2009.

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- (¹⁶) The fitting of an advanced emergency braking system is not required for special purpose vehicles in accordance with Article 1 of Regulation (EU) No 347/2012.
- (¹⁷) The fitting of a lane departure warning system is not required for special purpose vehicles in accordance with Article 1 of Regulation (EU) No 351/2012.
- A The approval authority may only grant exemption(s) if the manufacturer demonstrates that the vehicle cannot meet the requirements due to its special purpose. The exemptions granted are to be described on the vehicle type-approval certificate and the certificate of conformity.
- A₁ The fitting of ESC is not mandatory. In the case of multi-stage type-approvals, where the modifications made at a particular stage are likely to affect the function of the base vehicle's ESC system, the manufacturer may either disable the system or demonstrate that the vehicle has not been rendered unsafe or unstable. This may be demonstrated, e.g., by performing rapid double lane-change manoeuvres in each direction at 80 km/h with sufficient severity to cause intervention by the ESC system. These interventions are to be well-controlled and should improve the stability of the vehicle. The technical service has the right to request further testing if deemed necessary.
- B Application limited to doors giving access to the seats designated for normal use where the vehicle is used on a public road and where the distance between the R point of the seat and the average plane of the door surface, measured perpendicular to the longitudinal median plane of the vehicle, does not exceed 500 mm.
- C Application limited to that part of the vehicle in front of the rearmost seat designated for normal use where the vehicle is used on a public road and also limited to the head impact zone as defined in the relevant regulatory act.
- D Application limited to seats designated for normal use where the vehicle is used on a public road. Seats that are not designated for use where the vehicle is used on the public road are to be clearly identified to users either by means of a pictogram or a sign with an appropriate text. The luggage retention requirements of UN Regulation No 17 do not apply.
- E Front only.
- F Modification to the routing and length of the refuelling duct and re-positioning of the tank inboard is permissible.
- G In case of multi-stage type-approval, requirements according to the category of the base/incomplete vehicle (e.g. the chassis of which was used to build the special purpose vehicle) may also be used.
- H Modification of exhaust system length after the last silencer not exceeding 2 m is permissible without any further test.
- I Tyres are to be type-approved in accordance with the requirements set out in UN Regulation No 54 even if the design speed of the vehicle is less than 80 km/h. The load capacity may be adjusted in relation to the maximum design speed of the trailer in agreement with the tyre manufacturer.
- J For all window glazing other than driver's cab glazing (windshield and side glasses), the material may be either of safety glass or rigid plastic glazing.
- K Additional panic alarm devices are permitted.
- L Application limited to seats designated for normal use where the vehicle is used on a public road. At least anchorages for lap belts are required in the rear seating positions. Seats that are not designated for use where the

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	vehicle is used on a public road are to be clearly identified to users either by means of a pictogram or a sign with an appropriate text. ISOFIX is not required on ambulances and hearses.
M	Application limited to seats designated for normal use where the vehicle is used on a public road. At least lap belts are required in all rear seating positions. Seats that are not designated for use when the vehicle is used on a public road are to be clearly identified to users either by means of a pictogram or a sign with an appropriate text. ISOFIX is not required on ambulances and hearses.
N	Provided that all mandatory lighting devices are installed and that the geometric visibility is not affected.
Q	Modification of exhaust system length after the last silencer not exceeding 2 m is permissible without any further test. An EU type-approval granted to the most representative base vehicle remains valid irrespective of change in the reference weight.
R	Provided that the registration plates of all Member States can be mounted and remain visible.
S	The light transmission factor is at least 60 % and the 'A' pillar obstruction angle is not more than 10 degrees.
T	Test to be performed only with the complete/completed vehicle. The vehicle can be tested in accordance with Directive 70/157/EEC. Concerning point 5.2.2.1 of Annex I to Directive 70/157/EEC, the following limit values are applicable: <ul style="list-style-type: none">(a) 81 dB(A) for vehicles with an engine power of less than 75 kW;(b) 83 dB(A) for vehicles with an engine power of not less than 75 kW but less than 150 kW;(c) 84 dB(A) for vehicles with an engine power of not less than 150 kW.
U	Test to be performed only with the complete/completed vehicle. Vehicles up to 4 axles are to comply with all the requirements laid down in the relevant regulatory acts. Derogations are admitted for vehicles having more than 4 axles, provided that: <ul style="list-style-type: none">(a) they are justified by the particular construction; and(b) all the braking performances, related to parking, service and secondary braking laid down in the relevant regulatory act are fulfilled.
U ₁	ABS is not mandatory for vehicles with hydrostatic drive.
V	Alternatively, Directive 97/68/EC may also apply.
V ₁	Alternatively, Directive 97/68/EC may also apply to vehicles with hydrostatic drive.
W ₀	Modification of exhaust system length is permitted without any further test, provided that the back pressure is similar. If a new test is required, an extra 2dB(A) above the applicable limit is allowed.
W ₁	Modification in the exhaust system is permitted without any further test of tailpipe emissions and CO ₂ /fuel consumption provided that the emission control devices, including particulate filters (if any), are not affected. If the evaporative control devices are kept as fitted by the

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manufacturer of the base vehicle, no new evaporative test is required on the modified vehicle.

An EU type-approval granted to the most representative base vehicle remains valid irrespective of change in the reference mass.

W₂ Modification of the routing, length of the refuelling duct, fuel hoses and fuel vapour pipes is permitted without further test. Re-location of the original fuel tank is permitted provided all requirements are met. However, further testing in accordance with Annex 5 to UN Regulation No 34 are not required.

W₃ The longitudinal plane of the intended wheelchair-travelling position should be parallel to the longitudinal plane of the vehicle.

Appropriate information is to be made available to the vehicle owner that, in order to withstand the forces transmitted by the tie-down mechanism during the various driving conditions, a wheelchair with a structure meeting the relevant part of ISO 7176-19:2008 is recommended.

The seats of the vehicle may be adapted without further testing, provided it can be demonstrated to the technical service that their anchorages, mechanisms and head restraints provide the same level of performance.

The luggage retention requirements set out in UN Regulation No 17 do not apply.

W₄ Compliance with the relevant regulatory act(s) is required for the boarding aids when in the resting position.

W₅ Each wheelchair location is to be provided with anchorages to which a wheelchair tie-down and occupant restraint system (WTORS) is to be fitted, and that complies with the additional provisions for testing the wheelchair tie-down and occupant restraint system set out in Appendix 3.

W₆ Each wheelchair location is to be provided with an occupant restraint belt that complies with the additional provisions for testing the wheelchair tie-down and occupant restraint system of set out in Appendix 3.

When, due to the conversion, anchorage points for the safety belts need to be moved outside the tolerance provided for in paragraph 7.7.1 of UN Regulation No 16.06, the technical service is to check whether the alteration constitutes a worst case or not. If that is the case, the test provided for in paragraph 7.7.1. of UN Regulation No 16.06 is to be performed. Extension to the EU type-approval does not need to be issued. The test may be performed using components that have not undergone the conditioning test prescribed by UN Regulation No 16.06.

W₈ For the purposes of calculations, the mass of the wheel-chair including the user is assumed to be 160 kg. The mass is to be concentrated at the P point of the surrogate wheelchair in its travelling position declared by the manufacturer.

Any limitation in the passenger capacity resulting from the use of wheelchair(s) is to be recorded in the owner's handbook, on side 2 of the EU type-approval certificate and in the certificate of conformity.

W₉ Modification of the exhaust system length is permitted without the need for retesting, provided that the exhaust back pressure remains similar.

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- Y Provided that all mandatory lighting devices are installed.
- Z The requirements on the protrusion of open windows do not apply to the living compartment.
- Z₁ Mobile cranes with more than six axles are considered to be off-road vehicles (N₃G) when at least three axles are driven and provided they meet the provisions of point 4.3(b)(ii) and (iii), as well as point 4.3(c) of Part A of Annex I.

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- (1) For subsequent amendments, see UNECE TRANS/WP.29/343.
- (2) In the absence of a registration document, the competent authority may refer to available documented evidence of date of manufacture or documented evidence of first purchase.

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