

ANNEX II

**REQUIREMENTS FOR THE PURPOSE OF EU TYPE-APPROVAL OF VEHICLES, SYSTEMS, COMPONENTS OR SEPARATE TECHNICAL UNITS**

PART III

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

Appendix 1

**Motor-caravans, ambulances and hearses**

Item	Subject	Regulatory act reference	M <sub>1</sub> ≤ 2 500 kg <sup>a</sup>	M <sub>1</sub> > 2 500 kg <sup>a</sup>	M <sub>2</sub>	M <sub>3</sub>
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 <sup>(1)</sup>	G+Q <sup>(1)</sup>	G+Q <sup>(1)</sup>	
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	F <sup>(2)</sup>	F <sup>(2)</sup>	F <sup>(2)</sup>	F <sup>(2)</sup>
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	Regulation (EC) No 661/2009	X	X	X	X

<sup>a</sup> Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

---

	rear registration plates	Regulation (EU) No 1003/2010				
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 <sup>(3)</sup>	G <sup>(3)</sup>
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	X <sup>(4)</sup>	G+A <sub>1</sub>		

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X	X	X	X
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 <sup>(4A)</sup>	G <sup>(4A)</sup>
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 <sup>(4B)</sup>	G+D <sup>(4B)</sup>
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	X for the cab; A +Z for the	G for the cab; A +Z for the		

<sup>a</sup> Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

---

		UN Regulation No 26	remaining part	remaining part		
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 anchorage, Isofix anchorage systems and Isofix top tether anchorage	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	Regulation (EC) No 661/2009	X	X	X	X

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

	and end-outline marker lamps for motor vehicles and their trailers	UN Regulation No 7				
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	Regulation (EC) No 661/2009 UN Regulation No 31	X	X	X	X

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

---

	a driving 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
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

---

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 123	X	X	X	X
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	Regulation (EC) No 661/2009 UN Regulation No 16	D	G+M	G+M	G+M

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

---

	restraint systems					
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 <sup>(5)</sup>	( <sup>5</sup> )	( <sup>5</sup> )
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	X	G <sup>(6)</sup>	( <sup>6</sup> )	( <sup>6</sup> )
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	Regulation (EC) No 661/2009 UN Regulation No 25	D	G+D		

---

**a** Technically permissible maximum laden mass.

---



*Status: This is the original version (as it was originally adopted).*

	in vehicle seats					
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 <sub>1</sub> )	Regulation (EC) No 661/2009 UN Regulation No 30	X	G		
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C <sub>2</sub> and C <sub>3</sub> )	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 <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	Regulation (EC) No 661/2009 UN Regulation No 117	X	G	G	G

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

---

46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64	X	G		
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 <sup>(10)</sup>	G <sup>(10)</sup>	G <sup>(10)</sup>	G <sup>(10)</sup>
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 <sub>2</sub> and M <sub>3</sub> vehicles	Regulation (EC) No 661/2009 UN Regulation No 107			A	A
52B	Strength of the superstructure of large	Regulation (EC) No 661/2009			A	A

**a** Technically permissible maximum laden mass.

---

*Status: This is the original version (as it was originally adopted).*

	passenger vehicles	UN Regulation No 66				
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UN Regulation No 94	N/A	N/A		
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 <sup>(14)</sup>		
62	Hydrogen system	Regulation (EC) No 79/2009	Q	G+Q	G+Q	G+Q
63	General safety	Regulation (EC) No 661/2009	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012	X	G		

**a** Technically permissible maximum laden mass.

*Status: This is the original version (as it was originally adopted).*

65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012			N/A <sup>(16)</sup>	N/A <sup>(16)</sup>
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012			N/A <sup>(17)</sup>	N/A <sup>(17)</sup>
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

*Status: This is the original version (as it was originally adopted).*

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.

## Appendix 2

### Armoured vehicles

Item	Subject	Regulation act reference	My	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
1A	Sound level	Regulation (EU) No 540/2014	X	X	X	X	X	X				
2	Emission (Euro 5 and Euro 6) light duty vehicles / access to information	Regulation (EC) No 715/2007	X <sup>(1)</sup>	A <sup>(1)</sup>		A <sup>(1)</sup>	A <sup>(1)</sup>					
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X <sup>(2)</sup>	X	X	X	X
3B	Rear underrun protection devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58;	X	X	X	A	A		X	X	X	X

---

*Status: This is the original version (as it was originally adopted).*

---

4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X	X	X	X	X	X	X	X	X	X
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X	X	X	X	X	X	X	X	X	X
6A	Vehicle access and manoeuvres (steps, running boards and handholds)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X	X	X	X	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	A+K	A+K	A+K	A+K	A+K					
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	A	A	A	A	A					

*Status: This is the original version (as it was originally adopted).*

9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup>
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H			X <sup>(4)</sup>						
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 <sup>(4A)</sup>	X <sup>(4A)</sup>		X <sup>(4A)</sup>	X <sup>(4A)</sup>				
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UN Regulation No 116			X						
14A	Protection of the	Regulation (EC) No N/A			N/A						

---

*Status: This is the original version (as it was originally adopted).*

---

	driver against the steering mechanism in the event of impact	No 661/2009 UN Regulation No 12										
15A	Seats, their anchorages and any head restraint	Regulation (EC) No 661/2009 UN Regulation No 17	X	D (4B)	D (4B)	D	D	D				
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 80		D	D							
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26										
17A	Vehicle access and manoeuvres (reverse gear)	Regulation (EC) No 661/2009 UN Regulation (EU) No 130/2012	X	X	X	X	X	X				
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X	X	X	X	X	X				





---

*Status: This is the original version (as it was originally adopted).*

---

	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	X					
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	Regulation (EC) No 661/2009 UN Regulation	X	X	X	X	X					

	(SB) No emitting an European asymmetrical passing beam or a driving 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-	Regulation (EC) No 661/2009 UN Regulation No 99	X	X	X	X	X					



*Status: This is the original version (as it was originally adopted).*

	lamps for power-driven vehicles and their trailers	No 661/2009 UN Regulation No 38										
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X	X	X	X	X	X	X	X	X	X
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 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,	Regulation (EC) No 661/2009	X	X	X	X	X					

---

*Status: This is the original version (as it was originally adopted).*

---

	tell-tales and indicators	UN Regulation No 121										
34A	Windscreens and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )					
35A	Windscreens and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )					
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										
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	Regulation (EC) No 595/2009	X ( <sup>9</sup> )	X	X ( <sup>9</sup> )	X ( <sup>9</sup> )	X					

	vehicles/ access to information											
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 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										
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	Regulation (EC) No 661/2009 UN Regulation			A			A	A			

Status: This is the original version (as it was originally adopted).

	their trailers (Class C <sub>1</sub> )	No 30										
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C <sub>2</sub> and C <sub>3</sub> )	Regulation (EC) No 661/2009 UN Regulation No 54	A	A	A	A	A				A	A
46D	Tyre rolling sound emission adhesion on wet surfaces and rolling resistance (Classes C <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	Regulation (EC) No 661/2009 UN Regulation No 117	A	A	A	A	A	A	A	A	A	A
46E	Temporary spare unit, run-flat tyres/ and tyre pressure monitoring system	Regulation (EC) <sup>(9A)</sup> No 661/2009 UN Regulation No 64			A <sup>(9A)</sup>							
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009	X	X		X	X					





---

*Status: This is the original version (as it was originally adopted).*

---

	construction of certain categories of motor vehicles										
52A	M <sub>2</sub> and M <sub>3</sub> 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 in the event of a frontal collision	Regulation (EC) No 661/2009 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						
56A	Vehicle for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105			X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>
57A	Front underrun protective devices	Regulation (EC) No 661/2009				X	X				

	(FUPD) and their installation; front underrun protection (FUP)	Regulation (EC) No 78/2009										
58	Pedestrian protection	Regulation (EC) No 78/2009			N/A							
59	Recycling	Directive 2005/64/EC			N/A							
61	Air-conditioning system	Directive 2006/40/EC			X <sup>(14)</sup>							
62	Hydrogen system	Regulation (EC) No 79/2009	A	A	A	A	A					
63	General Safety	Regulation (EC) No 661/2009 <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>	X <sup>(15)</sup>
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012										
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	<sup>(16)</sup>	<sup>(16)</sup>		<sup>(16)</sup>	<sup>(16)</sup>					
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU)	<sup>(17)</sup>	<sup>(17)</sup>		<sup>(17)</sup>	<sup>(17)</sup>					

*Status: This is the original version (as it was originally adopted).*

		No 351/2012										
67	Specific component 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					
68	Vehicle alarm system (VAS)	Regulation (EC) No 661/2009 UN Regulation No 97			X							
69	Electric safety	Regulation (EC) No 661/2009 UN Regulation No 100	X	X	X	X	X					
70	Specific component 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

#### Wheelchair accessible vehicles

Item	Subject	Regulatory act	M <sub>1</sub>
------	---------	----------------	----------------

1A	Sound level	Regulation (EU) No 540/2014	G+W <sub>9</sub>
2	Emissions (Euro 5 and Euro 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	G+W <sub>1</sub>
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UN Regulation No 34	X+W <sub>2</sub>
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 <sub>1</sub>
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

---

*Status: This is the original version (as it was originally adopted).*

---

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	G
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	G+W <sub>3</sub>
16A	External projections	Regulation (EC) No 661/2009 UN Regulation No 26	G+W <sub>4</sub>
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 <sub>5</sub>
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 vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	X
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

---

*Status: This is the original version (as it was originally adopted).*

---

	(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	E
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 <sub>6</sub>
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 <sup>(5)</sup>
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	G <sup>(6)</sup>
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
41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	X+W <sub>1</sub> <sup>(9)</sup>
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X+W <sub>8</sub>
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 <sub>1</sub> )	Regulation (EC) No 661/2009 UN Regulation No 30	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	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 <sup>(9A)</sup>
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UN Regulation No 55	X <sup>(10)</sup>
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UN Regulation No 94	N/A

*Status: This is the original version (as it was originally adopted).*

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
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 <sup>(15)</sup>
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
  - 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
  - 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 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
  - 3.1. Wheelchair occupant restraint anchorages
    - 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

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
    - 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 ISO10542-1:2012 shall be considered to have been met.

#### 4. Dynamic in-vehicle testing

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 <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
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 <sub>1</sub> (1)	Q +V <sub>1</sub> (1)					
3A	Prevention of fire risks (liquid)	Regulation (EC) No 661/2009 UN Regulation	F	F	F	F	X	X	X	X

*Status: This is the original version (as it was originally adopted).*

	fuel tanks)	No 34									
3B	Rear underrun protection devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UN Regulation No 58;	Non	X	A	A	A	X	X	X	X
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 UN 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	Non	X	X	X	X	X	X	X	X
6A	Vehicle access and manoeuvres (steps, running boards and handholds)	Regulation (EC) No 661/2009 UN Regulation (EU) No 130/2012	Non	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	Regulation (EC)	Non	X	X	X	X				

---

*Status: This is the original version (as it was originally adopted).*

---

	and signals	No 661/2009 UN Regulation No 28									
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	X	X	X	X					
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	X <sup>(3)</sup>	X <sup>(3)</sup>	X <sup>(3)</sup> +U <sub>1</sub>	X <sup>(3)</sup> +U <sub>1</sub>	X	X	X <sup>(3)</sup>	X <sup>(3)</sup>	
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H		X <sup>(4)</sup>							
10A	Electronic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	X	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 <sup>(4A)</sup>		X <sup>(4A)</sup>	X <sup>(4A)</sup>					
13B	Protection of motor vehicles	Regulation (EC) No 661/2009		X							

*Status: This is the original version (as it was originally adopted).*

	against unauthorised use	UN Regulation No 116								
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UN Regulation No 12		X						
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UN Regulation No 17	D <sup>(4B)</sup>	D	D	D				
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UN Regulation No 80	D							
17A	Vehicle access and manoeuvres (reverse gear)	Regulation (EC) No 661/2009 UN Regulation (EU) No 130/2012	X	X	X	X				
17B	Speedo equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	X	X	X	X				

---

*Status: This is the original version (as it was originally adopted).*

---

18A	Manufacture of statutory plate and VIN	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	Non	X	X	X	X	X	X	X	X
19A	Safety-belt anchorage, Isofix anchorage systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 Regulation (EU) No 14	Don	D	D	D	D				
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	Non	X	X	X	X	X	X	X	X
22A	Front and rear position lamps, stop-lamps and end-outline marker lamps	Regulation (EC) No 661/2009 UN Regulation No 7	Non	X	X	X	X	X	X	X	X



	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	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	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	
25A	Power-driven vehicle sealed beam headlamps	Regulation (EC) No 661/2009 UN Regulation	X	X	X	X					

Status: This is the original version (as it was originally adopted).

	(SB) No emitting an European asymmetrical passing beam or a driving beam or both	31									
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-	Regulation (EC) No 661/2009 UN Regulation No 99	Non	X	X	X	X				



---

*Status: This is the original version (as it was originally adopted).*

---

	lamps for power-driven vehicles and their trailers	No 661/2009 UN Regulation No 38									
29A	Reversible lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 23	X	X	X	X	X	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 and 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 defrosters	Regulation (EC) No 661/2009 UN Regulation No 43	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )					

	demisting systems	No Regulation (EU) No 661/2009 672/2010								
35A	Windscreens wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )				
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	X							
41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	H	H ( <sup>9</sup> )	H ( <sup>9</sup> )	H				
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UN Regulation No 73			X	X			X	X

---

*Status: This is the original version (as it was originally adopted).*

---

43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011		X	X	X	X	X	X	X
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UN Regulation No 43	J	J	J	J	J	J	J	J
46A	Installation of tyres	Regulation (EC) No 661/2009 Regulation (EU) No 458/2011	X	X	X	X	X	X	X	X
46B	Pneumatic tyres for motor vehicles and their trailers (Class C <sub>1</sub> )	Regulation (EC) No 661/2009 UN Regulation No 30		X			X	X		
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C <sub>2</sub> and C <sub>3</sub> )	Regulation (EC) No 661/2009 UN Regulation No 54	X	X	X	X			X	X
46D	Tyre rolling sound emissions	Regulation (EC) No 661/2009	X	X	X	X	X	X	X	X

*Status: This is the original version (as it was originally adopted).*

	adhesion on wet surfaces and rolling resistance (Classes C <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	UN Regulation No 117								
46E	Temporary use spare unit, run-flat tyres/ system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UN Regulation No 64		X <sup>(9A)</sup>						
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	Regulation (EC) No 661/2009 UN Regulation No 117		X	X	X				

---

*Status: This is the original version (as it was originally adopted).*

---

	of the cab's rear panel										
50A	Mechanical coupling components of combinations of vehicle	Regulation (EC) No 661/2009 UN Regulation No 55	X <sup>(10)</sup>	X <sup>(10)</sup>	X <sup>(10)</sup>	X <sup>(10)</sup>	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 <sup>(10)</sup>	X <sup>(10)</sup>			X <sup>(10)</sup>	X <sup>(10)</sup>	
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 <sub>2</sub> and M <sub>3</sub> vehicles	Regulation (EC) No 661/2009 UN Regulation No 107	X								
52B	Strength of the superstructure	Regulation (EC) No 661/2009	X								



	of large passenger vehicles	UN Regulation No 66								
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UN Regulation No 95		A						
56A	Vehicle for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105		X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>	X <sup>(13)</sup>
57A	Front underrun protection devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UN Regulation No 93			X	X				
58	Pedestrian protection	Regulation (EC) No 78/2009		N/A <sup>(2)</sup>						
59	Recycling	Directive 2005/64/EC		N/A						
61	Air-conditioning systems	Directive 2006/40/EC		X <sup>(14)</sup>						
62	Hydrogen system	Regulation (EC) No 79/2009	X	X	X	X				

---

*Status: This is the original version (as it was originally adopted).*

---

63	General Safety	Regulation (EC) No 661/2009	Non (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	N/A					
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	Non	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	Non	X	X	X	X				

*Status: This is the original version (as it was originally adopted).*

70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	Non	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

### Appendix 5

#### Mobile cranes

Item	Subject	Reference to regulatory act	N <sub>3</sub>
1A	Sound level	Regulation (EU) No 540/2014	T+Z <sub>1</sub>
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

---

*Status: This is the original version (as it was originally adopted).*

---

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 <sup>(3)</sup>
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 <sup>(4A)</sup>
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 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

---

*Status: This is the original version (as it was originally adopted).*

---

	(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	A
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
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	( <sup>5</sup> )
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	( <sup>6</sup> )
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	A

		UN Regulation No 73	
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011	Z <sub>1</sub>
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
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C <sub>2</sub> and C <sub>3</sub> )	Regulation (EC) No 661/2009 UN Regulation No 54	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	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 <sup>(10)</sup>
50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102	X <sup>(10)</sup>
57A	Front underrun protective devices (FUPDs) and their installation; front	Regulation (EC) No 661/2009 UN Regulation No 93	X

*Status: This is the original version (as it was originally adopted).*

	underrun protection (FUP)		
62	Hydrogen system	Regulation (EC) No 79/2009	X
63	General Safety	Regulation (EC) No 661/2009	X <sup>(15)</sup>
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A <sup>(16)</sup>
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012	N/A <sup>(17)</sup>
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

### Exceptional load transport vehicles

Item	Subject	Reference to regulatory act	N <sub>3</sub>	O <sub>4</sub>
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;	Regulation (EC) No 661/2009 UN Regulation No 58	A	A



	rear underrun protection (RUP)			
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 manoeuvrability (steps, running boards and handholds)	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	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	
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UN Regulation No 13	U <sup>(3)</sup>	X <sup>(3)</sup>
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 <sup>(4A)</sup>	
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	Regulation (EC) No 661/2009	X	

---

*Status: This is the original version (as it was originally adopted).*

---

	including its installation	UN Regulation No 39		
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	
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-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 37	X	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	A	

---

*Status: This is the original version (as it was originally adopted).*

---

		Regulation (EU) No 1005/2010		
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 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	( <sup>5</sup> )	
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	( <sup>6</sup> )	
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 ( <sup>9</sup> )	
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
46C	Pneumatic tyres for commercial vehicles and their trailers (Classes C <sub>2</sub> and C <sub>3</sub> )	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 <sub>1</sub> , C <sub>2</sub> and C <sub>3</sub> )	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 <sup>(10)</sup>	X

---

*Status: This is the original version (as it was originally adopted).*

---

50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UN Regulation No 102	X <sup>(10)</sup>	X <sup>(10)</sup>
56A	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UN Regulation No 105	X <sup>(13)</sup>	X <sup>(13)</sup>
57A	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UN Regulation No 93	A	
62	Hydrogen system	Regulation (EC) No 79/2009	X	
63	General Safety	Regulation (EC) No 661/2009	X <sup>(15)</sup>	X <sup>(15)</sup>
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A <sup>(16)</sup>	
66	Lane departure warning system	Regulation (EC) No 661/2009 Regulation (EU) No 351/2012	N/A <sup>(17)</sup>	
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).

(<sup>1</sup>) 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.

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.

(<sup>2</sup>) 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.

(<sup>3</sup>) 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 M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> and N<sub>3</sub> and for vehicles for exceptional load transport and trailers with areas for standing passengers. N<sub>1</sub> vehicles may be approved in accordance with UN Regulations No 13 or No 13-H.

(<sup>4</sup>) 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. N<sub>1</sub> vehicles may be approved in accordance with UN Regulation No 13 or UN Regulation No 13-H.

(<sup>4A</sup>) If fitted, the protective device shall fulfil the requirements set out in UN Regulation No 18.

(<sup>4B</sup>) 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.

(<sup>5</sup>) Vehicles of categories other than M<sub>1</sub> do not need to fully comply with Regulation (EU) No 672/2010 but shall be fitted with a windscreen defrosting and demisting device.

(<sup>6</sup>) Vehicles of categories other than M<sub>1</sub> do not need to fully comply with Regulation (EU) No 1008/2010 but shall be fitted with a windscreen washing and wiping devices.

(<sup>8</sup>) For vehicles with a reference mass exceeding 2 610 kg and that did not benefit from the possibility offered in note (<sup>1</sup>).

(<sup>9</sup>) For vehicles with a reference mass exceeding 2 610 kg 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.

- (<sup>9A</sup>) Applies only where such vehicles are fitted with equipment covered by UN Regulation No 64. Tyre pressure monitoring system for M<sub>1</sub> vehicles applies on a compulsory basis in accordance with Article 9(2) of Regulation (EC) No 661/2009.
- (<sup>10</sup>) Applies only to vehicles equipped with coupling(s).
- (<sup>11</sup>) Applies to vehicles with a technically permissible maximum laden mass not exceeding 2,5 tonnes.
- (<sup>12</sup>) Only applicable to vehicles where the ‘Seating Reference Point (“R” point)’ of the lowest seat is not more than 700 mm above the ground level.
- (<sup>13</sup>) Applies only where the manufacturer applies for type-approval of vehicles intended for the transport of dangerous goods.
- (<sup>14</sup>) Applies only for vehicles of category N<sub>1</sub>, class I (reference mass ≤ 1 305 kg).
- (<sup>15</sup>) At the request of the manufacturer, a type-approval may be granted under this item, as an alternative to obtaining type-approvals under each individual item covered by Regulation (EC) No 661/2009.
- (<sup>16</sup>) 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.
- (<sup>17</sup>) 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.
- A<sub>1</sub> 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.



*Status: This is the original version (as it was originally adopted).*

- 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 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:
- (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

---

*Status: This is the original version (as it was originally adopted).*

---

in the relevant regulatory acts. Derogations are admitted for vehicles having more than 4 axles, provided that:

- (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 <sub>1</sub>	ABS is not mandatory for vehicles with hydrostatic drive.
V	Alternatively, Directive 97/68/EC may also apply.
V <sub>1</sub>	Alternatively, Directive 97/68/EC may also apply to vehicles with hydrostatic drive.
W <sub>0</sub>	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 <sub>1</sub>	Modification in the exhaust system is permitted without any further test of tailpipe emissions and CO <sub>2</sub> /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 manufacturer of the base vehicle, no new evaporative test is required on the modified vehicle.
W <sub>2</sub>	An EU type-approval granted to the most representative base vehicle remains valid irrespective of change in the reference mass. 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.
W <sub>3</sub>	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.
W <sub>4</sub>	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.
W <sub>5</sub>	Compliance with the relevant regulatory act(s) is required for the boarding aids when in the resting position.
W <sub>6</sub>	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.
W <sub>6</sub>	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.

W <sub>8</sub>	<p>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. 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.</p>
W <sub>9</sub>	<p>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.</p>
Y	<p>Modification of the exhaust system length is permitted without the need for retesting, provided that the exhaust back pressure remains similar.</p>
Z	<p>Provided that all mandatory lighting devices are installed.</p>
Z <sub>1</sub>	<p>The requirements on the protrusion of open windows do not apply to the living compartment.</p>
	<p>Mobile cranes with more than six axles are considered to be off-road vehicles (N<sub>3</sub>G) 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.</p>