ANNEX II

REQUIREMENTS FOR THE PURPOSE OF [^{F1}GB] TYPE-APPROVAL OF VEHICLES, SYSTEMS, COMPONENTS OR SEPARATE TECHNICAL UNITS

Textual Amendments

F1 Word in Annex 2 heading substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(2)**

PART III

List of regulatory acts setting out the requirements for the purpose of [^{F1}GB] type-approval of special purpose vehicles

Appendix 1

Item	Subject	Regulatory act reference	$M_1 \le 2$ 500 kg ^a	M ₁ > 2 500 kg ^a	M ₂	M ₃
1A	Sound level	Regulation (EU) No 540/2014	Н	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;	Regulation (EC) No 661/2009 UN Regulation No 58	X	X	X	X

Motor-caravans, ambulances and hearses

	rear underrun protection (RUP)					
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X	X	X	X
5A	Steering equipment	Regulation (EC) No 661/2009 UN Regulation No 79	X	G	G	G
6A	Vehicle access and manoeuvrabi	Regulation (EC) No 166/1/2009 Regulation (EU) No 130/2012	X	X		
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UN Regulation No 11	В	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+A1		
10A	Electromagn compatibility		X	X	X	X
12A	Interior fittings	Regulation (EC) No 661/2009 UN Regulation No 21	С	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	Regulation (EC) No 661/2009			X	Х

	passenger vehicles	UN Regulation No 80				
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		
17A	Vehicle access and manoeuvrab	Regulation (EC) No 16691/2009 Regulation (EU) No 130/2012	X	X	Х	Х
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UN Regulation No 39	Х	X	Х	X
18A	Manufacture statutory plate and VIN	r R egulation (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 a Technically	Retro- reflecting devices for power- driven vehicles	Regulation (EC) No 661/2009 UN Regulation No 3	X	X	X	X

	and their trailers					
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
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-	Regulation (EC) No 661/2009	X	X	X	X

	beam headlamps (SB) emitting an European asymmetrica passing beam or a driving beam or both	UN Regulation No 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	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 a Technically	Motor vehicle headlamps emitting an asymmetrica passing beam or a driving permissible maxin	No 112	X	X	X	X

	beam or both and equipped with filament lamps and/ or LED modules					
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 cally permissible maxi	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
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 1661/2009 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	X	G		

		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	D	G+D		
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	Х	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,	Regulation (EC) No 661/2009	X	G	G	G

	adhesion on wet surfaces and rolling	UN Regulation No 117				
	resistance (Classes C_1, C_2 and C_3)					
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	Х
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012			X	X
50A	Mechanical coupling components of combination of vehicles	UN	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			A	A

		UN Regulation No 107				
52B	Strength of the superstructur 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	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 (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)
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 maxir	num 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.

Appendix 2

Armoured vehicles

Item	Subje	cRegu act	la M ry	M ₂	M ₃	N ₁	N ₂	N ₃	01	02	03	04
		refer	ence									
1A	Sound level	Regula (EU) No 540/20		Х	Х	X	X	X				
2	Emissi (Euro 5 and Euro 6) light duty vehicle access to inform	No 715/20 es /		A (¹)		A (¹)	A (¹)					
3A	Prever of fire risks (liquid fuel tanks)	Regula	009	X (²)	X	X	X	X				
3B	Rear underr protec device (RUPI and	ti No s661/20	09	X	X	X	A	A	X	X	X	X

	their No installa fi8 n; rear underrun protection (RUP)									
4A	SpaceRegulationfor(EC)mountiligoand661/2009fixingRegulationrear(EU)registrationplates1003/2010	X	X	X	X	X	X	X	X	X
5A	Steerin Regulation equipm(EC) No 661/2009 UN Regulation No 79	X	X	X	X	X	X	X	X	X
6A	VehicleRegulation access (EC) and No manoeu664b2009 (steps, Regulation running(EU) boards No and 130/2012 handholds)	X	X	X	X	X				
6B	Door Regulation latches (EC) and No door 661/2009 retention Comportergestilation No 11			X						
7A	Audibl&RegulatAonK warningEC) devicesNo and 661/2009 signals UN Regulation No 28	A+K	A+K	A+K	A+K	A+K				
8A	Device Regulation for (EC) indirect	A	A	A	A	A				

9A	vision No and 661/2009 their UN installa Reg ulation No 46 BrakingRegulation of (EC) vehicleNo and 661/2009 trailers UN Regulation No 13	X (³)	X (³)	X (³)	X (³)	X (³)	X (³)	X (³)	X (³)	X (³)
9B	Brakin Regulation ⁴) of (EC) passengero cars 661/2009 UN Regulation No 13-H			X (⁴)						
10A	Electro Ragniatixon compat(Effi)y No 661/2009 UN Regulation No 10	X	X	X	X	X	X	Х	X	X
12A	InteriorRegulatAon fittings(EC) No 661/2009 UN Regulation No 21									
13A	Protectildegulation of (EC) motor No vehicles61/2009 againstUN unauthoregulation use No 18	X (^{4A})	X (^{4A})		X (^{4A})	X (^{4A})				
13B	Protectildegulation of (EC) motor No vehicles61/2009			X						

	againstUN unauth drisged ation use No 116							
14A	Protect i degula i ki/A of the (EC) driver No against 661/2009 the UN steering Regulation mechanison in the 12 event of impact			N/A				
15A	Seats, Regulation their (EC) anchorages and 661/2009 any UN head Regulation restraintso 17	D (^{4B})	D (^{4B})	D	D	D		
15B	Seats Regulation of (EC) large No passenger1/2009 vehiclesJN Regulation No 80	D	D					
16A	ExternalRegulatAon project(GES) No 661/2009 UN Regulation No 26							
17A	VehicleRegulation access (EC) and No manoeu6(7ab20009 (reverstRegulation gear) (EU) No 130/2012	X	X	X	X	X		
17B	Speedo RuegerlatXon equipm(EnC) includintyo 661/2009	X	X	X	X	X		

	its UN installa Reg ulation No 39									
18A	Manufactgretation statutor(EC) plate No and 661/2009 VIN Regulation (EU) No 19/2011	X	X	Х	Х	X	X	X	X	X
19A	Safety-Regulation belt (EC) anchoration Isofix 661/2009 anchoration anchoration and No Isofix 14 top tether anchorages	A	A	A	A	A				
20A	InstallaRegulatAorN of (EC) lightingNo and 661/2009 light- UN signalliRegulation devicesNo on 48 vehicles	A+N								
21A	Retro-Regulation reflectingC) devicesNo for 661/2009 power-UN driven Regulation vehicleNo 3 and their trailers	X	X	X	X	X	X	X	X	X
22A	Front Regulation and (EC) rear No position 61/2009 lamps, UN stop- Regulation lamps No 7 and	X	X	Х	Х	X	X	X	X	X

	end- outline marker lamps for motor vehicles and their trailers									
22B	DaytimRegulation running(EC) lamps No for 661/2009 power-UN driven Regulation vehicleNo 87	X	X	X	X	X				
22C	Side- Regulation marker(EC) lamps No for 661/2009 motor UN vehicleRegulation and No their 91 trailers	X	X	X	X	X	X	X	Х	X
23A	Directionegulation indicatorsC) for No power-661/2009 driven UN vehicleRegulation and No 6 their trailers	X	X	X	X	X	X	X	X	X
24A	Illumin Rtegn lation of (EC) rear- No registration/2009 plates UN of Regulation power-No 4 driven vehicles and their trailers	X	X	X	X	X	X	X	X	X
25A	Power-Regulation driven (EC)	X	X	X	X	X				

	vehicleNo sealed-661/2009 beam UN headlarRegulation (SB) No emitting1 an European asymmetrical passing beam or a driving beam or both									
25B	FilamenRegulatXon lamps (EC) for No use 661/2009 in UN approvRegulation lamp No units 37 of power- driven vehicles and their trailers	X	X	X	X	X	X	X	X	X
25C	Motor Regulation vehicle(EC) headlamps equipped 1/2009 with UN gas- Regulation dischargeo light 98 sources	X	X	X	X	X				
25D	Gas- Regulation dischargeC) light No sources661/2009 for UN use Regulation in No approve99 gas- discharge lamp	X	X	X	X	X				

	units of power- driven vehicles							
25E	Motor Regulation vehicle(EC) headlarities emitting61/2009 an UN asymmeteigalation passingNo 112 beam or a driving beam or both and equipped with filament lamps and/ or LED modules	X	X	X	X	X		
25F	Adapti Regulation front- (EC) lightingNo system::661/2009 (AFS) UN for Regulation motor No 123 vehicles	X	X	X	X	X		
26A	Power-RegulatXon driven (EC) vehicleNo front 661/2009 fog UN lamps Regulation No 19	X	X	X	X	X		
27A	TowingRegulatAon device (EC) No 661/2009 Regulation (EU)	A	A	A	A	A		

	No 1005/2010									
28A	Rear Regulation fog (EC) lamps No for 661/2009 power-UN driven Regulation vehicleNo and 38 their trailers	X	X	X	X	X	X	X	X	X
29A	Reversinggulation lights (EC) for No power-661/2009 driven UN vehicleRegulation and No their 23 trailers	X	X	X	X	X	X	X	X	X
30A	Parkin Regulation lamps (EC) for No power-661/2009 driven UN vehicle Regulation No 77	X	X	X	X	X				
31A	Safety-Regulation belts, (EC) restrainNo system £61/2009 child UN restrainRegulation system No and 16 Isofix child restraint systems	A	A	A	A	A				
32A	Forwar R egula G on field (EC) of No vision 661/2009 UN Regulation No 125									
33A	LocatioRegulation and (EC)	X	X	X	X	X				

	identifi X toion of 661/2009 hand UN control&egulation tell- No 121 tales and indicators									
34A	WindscReegulation defrostitEc) and No demistifeg1/2009 systemsRegulation (EU) No 672/2010	(⁵)	(5)	(⁵)	(5)	(5)				
35A	Winds cRegulation wiper (EC) and No washer 661/2009 system Regulation (EU) No 1008/2010	(⁶)	(6)	(⁶)	(⁶)	(6)				
36A	HeatingRegulation systems(EC) No 661/2009 UN Regulation No 122	X	X	X	X	X	X	X	X	X
37A	Wheel Regulation guards (EC) No 661/2009									
	Regulation (EU) No 1009/2010									

41A	Emissidhesgulation ⁹) (Euro (EC) VI) No heavy 595/2009 duty vehicles/ access to information	X (°)	X	X (°)	X (°)	X				
42A	Lateral Regulation protectionC) of No goods 661/2009 vehicle&JN Regulation No 73				X	X			X	X
43A	Spray Regulation suppres(EGT) system3No 661/2009 Regulation (EU) No 109/2011			X	X	X	X	X	X	X
44A	MassesRegulation and (EC) dimensitions 661/2009 Regulation (EU) No 1230/2012									
45A	Safety Regulation glazing(EC) materialso and 661/2009 their UN installaftægulation on No vehicles 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
46A	InstallaRogulation of (EC) tyres No 661/2009 Regulation (EU) No 458/2011	A	A	A	A	A	A	A	A	A

46B	Pneum Riegulationtyres(EC)forNomotor $661/2009$ vehicle JNandandRegulationtheirNotrailers 30(ClassC1) $-$			A			A	A		
46C	Pneumatingulationtyres(EC)forNocommetofial/2009vehicle&JNandRegulationtheirNotrailers54(Classes C_2 and C_3)	A	A	A	A	A			A	A
46D	Tyre Regulation rolling (EC) sound No emissic $61/2009$ adhesio $1/2009$ adhesio $1/2009$ resistance (Classes C_1 , C_2 and C_3)	A	A	A	A	A	A	A	A	A
46E	Temportaregulation use (EC) (^{9A}) spare No unit, 661/2009 run- UN flat Regulation tyres/ No system 64 and tyre pressure			A (^{9A})						

	monitoring system									
47A	Speed Regulation limitation of No vehicles61/2009 UN Regulation No 89	X	X		X	X				
48A	MassesRegulation and (EC) dimensNons 661/2009 Regulation (EU) No 1230/2012	X	X	X	X	X	X	X	X	X
49A	Comm Reigh lation vehicle(EC) with No regard 661/2009 to UN their Regulation externaNo projections forward of the cab's rear panel			A	A	A				
50A	Mechar Regu lation couplingEC) (¹⁰) componients of 661/2009 combinetNons of Regulation vehicleNo 55	X (¹⁰)	X	X	X	X				
50B	Close-Regulation couplin@C) device No (CCD);661/2009 fitting UN of an Regulation approvedo type 102 of CCD				X (¹⁰)	X (¹⁰)			X (¹⁰)	X (¹⁰)

	, <u>, , , , , , , , , , , , , , , , , , </u>			- (1	ů.	·
51A	Burnin Regulation behavior No materiates 1/2009 used UN in the Regulation interiorNo 118 construction of certain categories of motor vehicles		X							
52A	$\begin{array}{c c} M_2 & Regulation \\ and & (EC) \\ M_3 & No \\ vehicle $61/2009 \\ UN \\ Regulation \\ No 107 \end{array}$	A	A							
52B	StrengtRegulation of the (EC) superstNoture of 661/2009 large UN passengRegulation vehicleNo 66	A	A							
53A	Protect Regulation of (EC) occupation in the 661/2009 event UN of a Regulation frontal No collision									
54A	Protect idegulation of (EC) occupatives in the 661/2009 event UN of Regulation lateral No collision5			N/A						
56A	VehicleRegulation for (EC) the No carriag661/2009 of			X (¹³)						

	dangerouls goods Regulation No 105									
57A	Front Regulation underrutEC) protectiNe devices661/2009 (FUPD&JN and Regulation their No installa@dn; front underrun protection (FUP)				X	X				
58	PedestrRægulationA protectidEC) No 78/2009			N/A						
59	RecyclaDiletytiVe/A 2005/64/ EC			N/A						
61	Air- Directive conditi 2000/g/40/ system EC			X (¹⁴)						
62	HydrogRegulatAon system (EC) No 79/2009	A	A	A	A	A				
63	GeneraRegulatXon Safety (EC) (¹⁵) No 661/2009	X (¹⁵)								
64	Gear Regulation shift (EC) indicators 661/2009 Regulation (EU) No 65/2012									
65	Advand&dgulation emerge(ECC) brakingNo system 661/2009 Regulation (EU)	(¹⁶)	(¹⁶)		(¹⁶)	(¹⁶)				

	No 347/2012							
66	Lane Regulation departu(EC) warningNo system 661/2009 Regulation (EU) No 351/2012	(17)	(17)		(17)	(17)		
67	Specifi Regulation compon(ECG) for No liquefieo(61/2009 petroleUDN gases Regulation (LPG) No and 67 their installation on motor vehicles	X	X	X	X	X		
68	VehicleRegulatXon alarm (EC) systemNo (VAS) 661/2009 UN Regulation No 97			X				
69	Electridalegulation safety (EC) No 661/2009 UN Regulation No 100	X	X	X	X	X		
70	Specifi Regulation components for No CNG 661/2009 and UN their Regulation installation110 on motor vehicles	X	X	X	X	X		

72		0	ation	N/A	N/A	G	N/A	N/A	N/A	N/A	N/A	N/A
	system	(EU)										
		2015/7	58									

Appendix 3

Wheelchair accessible vehicles

Item	Subject	Regulatory act	M ₁
1A	Sound level	Regulation (EU) No 540/2014	G+W9
2	Emissions (Euro 5 and Euro 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	G+W1
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	Х
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	Х
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UN Regulation No 28	Х
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	Х

9B	Braking of passenger cars	Regulation (EC) No 661/2009 UN Regulation No 13-H	G+A1
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UN Regulation No 10	Х
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	Х
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 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	Х
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UN Regulation No 14	X+W5
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-	Regulation (EC) No 661/2009	Х

	driven vehicles and their trailers	UN Regulation No 3	
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	Regulation (EC) No 661/2009	Х

	an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	UN Regulation No 112	
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	Х
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	Х
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	G (⁶)

		Regulation (EU) No 1008/2010	
36A	Heating systems	Regulation (EC) No 661/2009 UN Regulation No 122	Х
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	Х
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	Х
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	Regulation (EC) No 661/2009 UN Regulation No 55	X (¹⁰)

	combinations of vehicles		
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
61	Air-conditioning systems	Directive 2006/40/EC	G
62	Hydrogen system	Regulation (EC) No 79/2009	Х
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	Х
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	Х
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 1 100 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.

AppendixOther 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	Subje	ecRefer to regul act	re M£ £ atory	M ₃	N ₁	N ₂	N ₃	01	O ₂	O ₃	O ₄
1A	Sound level	Regula (EU) No 540/20		Н	Н	H	H	Н			
2	Emiss (Euro 5 and Euro 6) light duty vehicl access to inform	No 715/20 es/			Q +V ₁ (¹)	Q +V ₁ (¹)					

3A	Preven Rongulation	F	F	F	F	X	X	X	X
	of (EC) fire No risks 661/2009 (liquid UN fuel Regulation								
	tanks) No 34								
3B	Rear Regulation underru(EC) protectNe devices661/2009 (RUPDs)N and Regulation their No installation; rear underrun protection (RUP)	X	A	A	A	X	X	X	X
4A	Space RegulatActR for (EC) mountiNgo and 661/2009 fixing Regulation rear (EU) registraNon plates 1003/2010	A+R							
5A	Steerin Regulation equipm(Ext) No 661/2009 UN Regulation No 79	X	X	X	X	X	X	X	X
6A	VehicleRegulaXon access (EC) and No manoet667ab2009 (steps, Regulation runningEU) boards No and 130/2012 handholds)	X	В	В	В				
6B	DoorRegulationlatches(EC)andNodoor661/2009		В						

	retentidulN compo iRægs lation No 11								
7A	Audiblæegulañon warningEC) devicesNo and 661/2009 signalsUN Regulation No 28	X	X	X	X				
8A	Device Regulation for (EC) indirectNo vision 661/2009 and UN their Regulation installation 46	X	X	Х	X				
9A	Brakin Regulation of (EC) vehicleNo and 661/2009 trailersUN Regulation No 13	X (³)	X (³)	X +U ₁ (³)	X +U ₁ (³)	X	X	X (³)	X (³)
9B	Brakin Regulation of (EC) passen do cars 661/2009 UN Regulation No 13-H		X (⁴)						
10A	Electro Regulation compatibility No 661/2009 UN Regulation No 10	X	X	X	X	X	X	X	X
13A	ProtectRægulaXon of (EC) (^{4A}) motor No vehicle661/2009 againstUN Regulation	X (^{4A})		X (^{4A})	X (^{4A})				

	unauthorised use 18						
13B	ProtectRegulation of (EC) motor No vehicles661/2009 againstUN unauthRegadation use No 116		X				
14A	ProtectRegulation of (EC) the No driver 661/2009 againstUN the Regulation steeringNo mechanliam in the event of impact		X				
15A	Seats, Regulation their (EC) (^{4B}) anchoration and 661/2009 any UN head Regulation restraintso 17	D (^{4B})	D	D	D		
15B	Seats Regulation of (EC) large No passenger1/2009 vehicleUN Regulation No 80	D					
17A	VehicleRegulation access (EC) and No manoetotrh/2009 (reverseRegulation gear) (EU) No 130/2012	X	X	X	X		
17B	SpeedoRægelaXon equipm(ExtC) including	X	X	X	X		

	its No installa 66 h/2009 UN Regulation No 39								
18A	Manuf Regretation statutor/EC) plate No and 661/2009 VIN Regulation (EU) No 19/2011	X	X	X	X	X	X	X	X
19A	Safety-Regulation belt (EC) anchorages Isofix 661/2009 anchorages system Regulation and No Isofix 14 top tether anchorages	D	D	D	D				
20A	Installa Reg ulation of (EC) lightingNo and 661/2009	A+N							
	light- UN signalli R ggulation devicesNo on 48 vehicles								
21A	signalli R ggulation devicesNo on 48	X	X	X	X	X	X	X	X

	lamps UN and Regulation end- No 7 outline marker lamps for motor vehicles and their trailers								
22B	DaytimRegularion runningEC) lamps No for 661/2009 power-UN driven Regulation vehicleNo 87	X	X	X	X				
22C	Side- Regulation marker(EC) lamps No for 661/2009 motor UN vehicleRegulation and No their 91 trailers	X	X	X	X	X	X	X	X
23A	Direct Regulation indicatoEC) for No power-661/2009 driven UN vehicleRegulation and No 6 their trailers	X	X	X	X	X	X	X	X
24A	Illumin Rtign lation of (EC) rear- No registration/2009 plates UN of Regulation power-No 4 driven vehicles and their trailers	X	X	X	X	X	X	X	X

25A	Power-Regulation driven (EC) vehicleNo sealed-661/2009 beam UN headlarRpgulation (SB) No emitting1 an European asymmetrical passing beam or a driving beam or both	X	X	X	X				
25B	Filamentegulation lamps (EC) for No use 661/2009 in UN approvetegulation lamp No units 37 of power- driven vehicles and their trailers	X	X	X	X	X	X	X	X
25C	Motor Regulation vehicle(EC) headlarNos equipped 1/2009 with UN gas- Regulation discharNo light 98 sources	X	X	X	X				
25D	Gas- Regulation dischargeC) light No sources661/2009 for UN use Regulation in No approv 89 gas-	X	X	X	X				

	discharge lamp units of power- driven vehicles						
25E	Motor Regulation vehicle(EC) headlatives emitting61/2009 an UN asymmRtergualation passingNo beam 112 or a driving beam or both and equipped with filament lamps and/ or LED modules	X	X	X	X		
25F	Adapti Regulation front- (EC) lightingNo system\$61/2009 (AFS) UN for Regulation motor No vehicle\$23	X	X	X	X		
26A	Power-Regulation driven (EC) vehicleNo front 661/2009 fog UN lamps Regulation No 19	X	X	X	X		
27A	TowingRegulation device (EC) No 661/2009 Regulation (EU)	A	A	A	A		

	No 1005/20	010								
28A	Rear Regulat fog (EC) lamps No for 661/200 power-UN driven Regulat vehicleNo and 38 their trailers)9	ζ.	X	X	Х	X	Х	X	X
29A	Revers Regular lights (EC) for No power-661/200 driven UN vehicle Regulat and No their 23 trailers)9	ζ	X	X	X	X	X	X	X
30A	Parkin Regular lamps (EC) for No power-661/200 driven UN vehicleRegular No 77)9	ζ.	X	X	X				
31A	Safety-Regulat belts, (EC) restrainNo system 661/200 child UN restrainRegulat system No and 16 Isofix child restraint systems)9)	D	D	D				
33A	LocationRegular and (EC) identifiNation of 661/200 hand UN controlRegular tell- No tales 121)9	ζ	X	X	X				

	and indicators								
34A	WindscReegulating defrost(IEC) and No demistice(1/2009 system Regulation (EU) No 672/2010	'n	(⁵)	(⁵)	(⁵)				
35A	Winds Regu lation wiper (EC) and No washer661/2009 system Regulation (EU) No 1008/201	m	(⁶)	(6)	(6)				
36A	Heatin Regular system(EC) No 661/2009 UN Regulatio No 122		X	X	X	X	X	X	X
38A	Head Regulation restrain(tEC) (headresses), whethe661/2009 or UN not Regulation incorpotented in 25 vehicle seats								
41A	Emissionegulatio (Euro (EC) VI) No heavy 595/2009 duty vehicles/ access to information		Н (⁹)	Н (⁹)	Н				
42A	LateralRegulation protect(difC) of No goods 661/2009 vehicles			X	X			X	X

	UN Regulation No 73								
43A	Spray Regulation suppres(stich) system No 661/2009 Regulation (EU) No 109/2011		X	X	X	X	X	X	X
45A	Safety Regulation glazing(EC) materialNo and 661/2009 their UN installaRegulation on No vehicle43	J	J	J	J	J	J	J	J
46A	Installa Rieg ula R ion of (EC) tyres No 661/2009 Regulation (EU) No 458/2011	X	X	X	X	X	X	X	X
46B	$\begin{array}{c c} Pneum \Re iggulation \\ tyres (EC) \\ for No \\ motor 661/2009 \\ vehicle UN \\ and Regulation \\ their No \\ trailers 30 \\ (Class \\ C_1) \end{array}$		X			X	X		
46C	$\begin{array}{c c} Pneum \Re tegula \Re on \\ tyres (EC) \\ for No \\ commet 66 tal 2009 \\ vehicle \& JN \\ and Regulation \\ their No \\ trailers 54 \\ (Classes \\ C_2 \\ and \\ C_3) \end{array}$	X	X	X	X			Х	X

46D	$\begin{array}{c c c} Tyre & Regulation \\ rolling (EC) \\ sound & No \\ emission (fs1/2009) \\ adhesid (fs1$	X	X	X	X	X	X	X	X
46E	Tempo Regulation use (EC) spare No unit, 661/2009 run- UN flat Regulation tyres/ No system64 and tyre pressure monitoring system		X (^{9A})						
47A	Speed Regulaition limitati(fEC) of No vehicle661/2009 UN Regulation No 89	X		X	X				
48A	MassesRegulation and (EC) dimensitions 661/2009 Regulation (EU) No 1230/2012	X	X	X	X	X	X	X	X
49A	Commetegallation vehicle(EC) with No regard 661/2009 to		X	X	X				

	their UN externalRegulation projectNins forwar@1 of the cab's rear panel								
50A	MechalNiegulation couplingEC) (¹⁰) components of 661/2009 combinations of Regulation vehicleNo 55	X (¹⁰)	X (¹⁰)	X (¹⁰)	X (¹⁰)	X	X	X	X
50B	Close-Regulation couplingEC) device No (CCD);661/2009 fitting UN of an Regulation approvedb type 102 of CCD			X (¹⁰)	X (¹⁰)			X (¹⁰)	X (¹⁰)
51A	Burning egulation behavior (FirC) of No material (51/2009) used UN in Regulation the No interior 118 construction of certain categories of motor vehicles	X							
52A	$\begin{array}{c c} M_2 & Regulation \\ and & (EC) \\ M_3 & No \\ vehicle \$61/2009 \\ UN \\ Regulation \\ No \\ 107 \end{array}$	X							

52B	StrengtRegulation of (EC) the No superst666t/2009 of UN large Regulation passengto vehicle66	X							
54A	ProtectRegulation of (EC) occupaNto in 661/2009 the UN event Regulation of No lateral 95 collision		A						
56A	VehicleRegulation for (EC) the No carriag661/2009 of UN dangerORegulation goods No 105		X (¹³)	X (¹³)	X (¹³)	X (¹³)	X (¹³)	X (¹³)	X (¹³)
57A	Front Regulation underruft C) protectNo devices661/2009 (FUPDE)N and Regulation their No installation; front underrun protection (FUP)			X	X				
58	Pedestrikægulation protect(GC) No 78/2009		N/A (²)						
59	Recyclabiiletytive 2005/64/ EC		N/A						
61	Air- Directive conditianing/40/ systemsEC		X (¹⁴)						
62	Hydrog &n gulatXon system(EC)	X	X	X	X				

	N 79	o 9/2009								
63	Safety (E		X (¹⁵)							
65	emergette brakingN system66 (E N	o 51/2009 egulation EU)	N/A		N/A	N/A				
66	departute warning system66 (E N	o 51/2009 egulation EU)	N/A		N/A	N/A				
67	compone for N liqueficet petrolet	o 51/2009 N egulation o 7	X	X	X	X				
68	alarm (E system\$N (VAS) 66 U	o 51/2009 N egulation o		X						
69	safety (E N 66 U	o 51/2009	X	X	X	X				

		No 100									
70	compo for CNG and	No 661/20 UN Regula No n 110	009	X	X	Х	X				
72	eCall system	Regula (EU) 2015/7		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 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	Х
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)		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	X

		UN Regulation No 28	
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UN Regulation No 46	Х
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	Х
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	Х
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	Х
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	Х
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	Х
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

	(AFS) for motor vehicles	UN Regulation No 123	
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UN Regulation No 19	Х
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	(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	Х
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 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
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	Regulation (EC) No 661/2009 UN Regulation No 93	X

	underrun protection (FUP)		
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 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

F2F3F4F5F6F7F8F9Appendix 6

Exceptional load transport vehicles

Item	Subject	Reference to regulatory act	N ₃	O ₄
1	Permissible sound level	Directive 70/157/EEC	Т	
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 (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	Regulation (EC) No 661/2009	X	

	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	Х	Х
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UN Regulation No 6	Х	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	Х	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	А	

		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	Х	
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	(*)	
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	А
45	Safety glazing	Directive 92/22/ EEC	Х	
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	Ι
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	Ι
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; 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 (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	Х	
70	Specific components for CNG and their installation on motor vehicles	Regulation (EC) No 661/2009 UN Regulation No 110	X	

^{F2}Explanatory Notes on the applicability of the requirements in this Part

(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.

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.

- (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.
- $\binom{6}{100}$ 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).
- (°) 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.

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. [^{F2}The approval authority] 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).

- $(^{9A})$ 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).
- $\binom{11}{2,5}$ 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 N_1 , 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.
- (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 typeapprovals, 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 medium 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 F		ation to the routing and length of the refuelling duct and re-
G	În case	ing of the tank inboard is permissible. of multi-stage type-approval, requirements according to the v of the base/incomplete vehicle (e.g. the chassis of which was
		build the special purpose vehicle) may also be used.
Н	Modific	ation of exhaust system length after the last silencer not ig 2 m is permissible without any further test.
Ι	Tyres ar out in U is less th	e to be type-approved in accordance with the requirements set JN Regulation No 54 even if the design speed of the vehicle han 80 km/h. The load capacity may be adjusted in relation to imum design speed of the trailer in agreement with the tyre
J	For all v	vindow glazing other than driver's cab glazing (windshield and sses), the material may be either of safety glass or rigid plastic
K		nal panic alarm devices are permitted.
L	Applica	tion limited to seats designated for normal use where the vehicle on a public road. At least anchorages for lap belts are required in
	vehicle i by mear	seating positions. Seats that are not designated for use where the is used on a public road are to be clearly identified to users either is of a pictogram or a sign with an appropriate text. ISOFIX is ired on ambulances and hearses.
Μ	Application is used of position on a put a pictog	tion limited to seats designated for normal use where the vehicle on a public road. At least lap belts are required in all rear seating s. Seats that are not designated for use when the vehicle is used blic road are to be clearly identified to users either by means of ram or a sign with an appropriate text. ISOFIX is not required plances and hearses.
Ν	Provide	d that all mandatory lighting devices are installed and that the ic visibility is not affected.
Q	Modific exceedin approva	ation of exhaust system length after the last silencer not ng 2 m is permissible without any further test. [^{F3} A GB] type- l granted to the most representative base vehicle remains valid tive of change in the reference weight.
R	[^{F4} Space requiren	e must be provided for a registration plate meeting the nents of the Road Vehicles (Display of Registration Marks) ions 2001].
S	The lig	ht transmission factor is at least 60 % and the 'A' pillar ion angle is not more than 10 degrees.
Т	Test to b vehicle : 70/157/1 Concern	be performed only with the complete/completed vehicle. [^{F5} The may be subjected to the test procedures described in Directive EEC, as it had effect immediately before IP completion day]. hing point 5.2.2.1 of Annex I to Directive 70/157/EEC, the g 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	Vehicles in the re	be performed only with the complete/completed vehicle. up to 4 axles are to comply with all the requirements laid down levant regulatory acts. Derogations are admitted for vehicles hore 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_1	ABS is n	ot mandatory for vehicles with hydrostatic drive.
V		vely, [^{F6} Regulation (EU) 2016/1628] may also apply.
V_1		vely, [^{F6} Regulation (EU) 2016/1628] may also apply to with hydrostatic drive.
W ₀	Modificatest, prov	ition of exhaust system length is permitted without any further rided that the back pressure is similar. If a new test is required, 2dB(A) above the applicable limit is allowed.
W ₁	Modifica test of ta emission affected. manufact	tion in the exhaust system is permitted without any further ilpipe emissions and CO_2 /fuel consumption provided that the control devices, including particulate filters (if any), are not If the evaporative control devices are kept as fitted by the turer of the base vehicle, no new evaporative test is required on fied vehicle.
W ₂ W ₃	remains Modifica and fuel the origin Howeven No 34 ar The long	type-approval granted to the most representative base vehicle valid irrespective of change in the reference mass. tion of the routing, length of the refuelling duct, fuel hoses vapour pipes is permitted without further test. Re-location of nal fuel tank is permitted provided all requirements are met. , further testing in accordance with Annex 5 to UN Regulation e not required. gitudinal plane of the intended wheelchair-travelling position e parallel to the longitudinal plane of the vehicle.
	Appropri owner th down me	tate information is to be made available to the vehicle bat, in order to withstand the forces transmitted by the tie- echanism during the various driving conditions, a wheelchair tructure meeting the relevant part of ISO 7176-19:2008 is
	it can be	of the vehicle may be adapted without further testing, provided demonstrated to the technical service that their anchorages, sms and head restraints provide the same level of performance.
W4 W5	not apply Complian boarding Each whe wheelcha	age retention requirements set out in UN Regulation No 17 do , nce with the relevant regulatory act(s) is required for the aids when in the resting position. eelchair location is to be provided with anchorages to which a hir tie-down and occupant restraint system (WTORS) is to be d that complies with the additional provisions for testing the

wheelchair tie-down and occupant restraint system set out in Appendix 3.

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. [^{F8}An extension to the UNECE type-approval (or GB type-approval, if applicable) is not required.] 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 $[^{F9}GB]$ type-approval certificate and in the certificate of conformity.

- W9Modification of the exhaust system length is permitted without the need
for retesting, provided that the exhaust back pressure remains similar.YProvided 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
 - Mobile cranes with more than six axies are considered to be off-road vehicles (N_3G) 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.

Textual Amendments

 W_6

- **F2** Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(i)**
- **F3** Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(ii)**
- F4 Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), 41(6)(b)(iii)
- F5 Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), 41(6)(b)(iv)
- **F6** Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(v)**

- **F7** Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(vi)**
- **F8** Words in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(vii)**
- **F9** Word in Annex 2 Pt. 3 substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(b)(viii)**

Textual Amendments

F1 Word in Annex 2 Pt. 3 heading substituted (31.12.2022 at 11.00 p.m.) by The Road Vehicles and Non-Road Mobile Machinery (Type-Approval) (Amendment and Transitional Provisions) (EU Exit) Regulations 2022 (S.I. 2022/1273), regs. 1(2), **41(6)(a)**

Changes to legislation:

Regulation (EU) 2018/858 of the European Parliament and of the Council, PART III is up to date with all changes known to be in force on or before 30 June 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.

View outstanding changes

Changes and effects yet to be applied to :

- Regulation power to amend conferred by 2024 c. 10 s. 91