Commission Regulation (EU) No 214/2014 of 25 February 2014 amending Annexes II, IV, XI, XII and XVIII to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Text with EEA relevance)

## COMMISSION REGULATION (EU) No 214/2014

of 25 February 2014

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

(Text with EEA relevance)

#### THE EUROPEAN COMMISSION,

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

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

## Whereas:

- (1) Directive 2007/46/EC establishes an harmonised framework containing the administrative provisions and general technical requirements for all new vehicles. In particular, it lists the regulatory acts laying down the technical requirements with which vehicles have to comply in order to be granted EC vehicle type-approval. Furthermore, Directive 2007/46/EC made the EC whole-vehicle type-approval mandatory for special purpose vehicles in accordance with the timetable set out in its Annex XIX.
- (2) Regulation (EC) No 661/2009 of the European Parliament and of the Council<sup>(2)</sup>, introduced new safety features for vehicles and provided for the repeal of several directives and their replacement by the corresponding United Nations Economic Commission for Europe (UNECE) Regulations.
- (3) Annex XI to Directive 2007/46/EC contains a list of regulatory acts for the EC type-approval of special purpose vehicles, as well as specific provisions for such vehicles. It is essential to adapt Annex XI to take into account the changes introduced by Regulation (EC) No 661/2009. The date of application of Regulation (EC) No 661/2009 shall apply.
- (4) To achieve the harmonisation of the technical requirements applying for the EC whole-vehicle type-approval of special purpose vehicles, it is essential to amend Annex II to Directive 2007/46/EC and to establish stricter requirements on ambulances and wheelchair accessible vehicles. In order to give time to industry to adapt their vehicles, those sticter requirements shall only apply to new vehicle types.

- (5) Annex XVIII to Directive 2007/46/EC was relevant for the registration of special purpose vehicles based on incomplete vehicles holding a national type-approval. Since EC type-approvals will replace national type-approvals in accordance with the dates set out in Annex XIX to Directive 2007/46/EC, it is appropriate to delete Annex XVIII at the end of the transitional period foreseen by Annex XIX to Directive 2007/46/EC.
- (6) Part II of Annex IV to Directive 2007/46/EC lists the UNECE Regulations recognised as an alternative to the directives mentioned in Part I of Annex IV. With the repeal of most of those directives by Regulation (EC) No 661/2009 from 1 November 2014 and the adoption of a new UNECE Regulation on pedestrian safety, it is appropriate to update the relevant entries in Part II of Annex IV to Directive 2007/46/EC. Furthermore, it is appropriate to correct several errors in Annex IV to that directive.
- (7) Annex XII to Directive 2007/46/EC was amended the same day by Commission Regulation (EU) 1229/2012<sup>(3)</sup> and by Commission Regulation (EU) 1230/2012<sup>(4)</sup>, which may lead to an unclear situation regarding the number of units allowed for vehicles holding a small series type-approval because Regulation (EU) 1229/2012 was drafted to be published after Regulation (EU) 1230/2012. To remove this uncertainty, it is appropriate to publish again the consolidated version of Annex XII as amended by these two legal texts.
- (8) Directive 2007/46/EC should therefore be amended accordingly.
- (9) The measures provided for in this Regulation are in accordance with the opinion of the Technical Committee Motor Vehicles.

#### HAS ADOPTED THIS REGULATION:

Article 1

Directive 2007/46/EC is amended as follows:

- (1) Annexes II, IV, XI and XII are amended in accordance with the Annex to this Regulation;
- (2) Annex XVIII is deleted.

#### Article 2

From 1 November 2014, National authorities shall consider certificates of conformity for vehicles to be no longer valid for the purpose of Article 26(1) unless the type-approvals concerned have been updated to the requirements of Annex XI to Directive 2007/46/EC as amended by this Regulation.

However, the additional requirements on the patient compartment of ambulances in Appendix 1 of Annex XI to Directive 2007/46/EC and the Additional requirements for testing the wheel chair tie down and occupant restraint system of wheelchair accessible vehicles in Appendix 3 of Annex XI to Directive 2007/46/EC shall apply from 1 November 2014 only to new types of vehicles.

#### Article 3

This Regulation shall enter into force on the 20th day following that of its publication in the *Official Journal of the European Union*.

Article 1, point (2), Article 2 and Points 1(a) and 2(b)(i) of the Annex shall apply from 1 November 2014.

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

Done at Brussels, 25 February 2014.

For the Commission
The President
José Manuel BARROSO

## **ANNEX**

Directive 2007/46/EC is amended as follows:

- (1) In Annex II, Part A,
  - (a) Point 5.3 is amended as follows:

5.3.	Ambulance	SC	a vehicle of
	Amourance	SC	a venicle of
			category M
			intended for the
			transport of sick
			or injured persons
			and having special
			equipment for such
			purpose.

(b) the following points 5.11 and 5.12 are added:

5.11.	Exceptional load	SL	a road tractor
	transport motor		or tractor unit
	vehicle		for semi-trailer
			of category
			N <sub>3</sub> meeting all
			the following
			conditions:
			(a) having
			more
			than
			two
			axles
			and at
			least
			half
			of the
			axles
			(two
			axles
			out of
			three
			in the
			case of
			a three
			a unee
			vehicle
			and
			mutati
			mutan
			in the
			case of
			a five
			axle
			vehicle

				designed to be driven simultaneously, irrespective of whether one powered axle can be
			(b)	disengaged, which is designed for towing and pushing exceptional load transport trailer of category
			(c)	O <sub>4</sub> , which has a minimum engine power of 350 kW, and
			(d)	which can be equipped with an additional front coupling device for heavy towable masses
5.12.	Multi-equipment carrier	SM	an off-revehicle category (as defining point designed)	of y N ned 2.3)

construc	eted for
	pushing,
carrying	
	g certain
	angeable
equipme	with
(a)	
	not less
	than
	two
	mounting
	areas
	for this
<i>a</i> >	equipment,
(b)	with
	standardised
	mechanical,
	hydraulic
	and/or
	electrical
	interfaces
	(e.g.
	Power
	take
	off) for
	powering
	and
	actuating
	the
	above
	mentioned
	equipment
	and
(c)	which
	fulfills
	the
	definition
	of ISO
	3833-1977,
	section 3.1.4
	(special
	vehicle).
If the ve	
equippe	
	iary load
platform	
	m length
	t exceed:
(a)	1,4
(41)	times
	of the
	front

front or rear

	(b)	track width of the vehicle, whichever is the larger in the case of two axle vehicles, or 2,0 times of the front or rear track width of the vehicle, whichever is the larger in the case of vehicles having more than two axles

- (2) Annex IV is amended as follows:
  - (a) Part I, is amended as follows:
    - (i) In the Table, entry 2 is renumbered 2A and entry 38A is amended as follows:

38A	Hea	dReg	u <b>X</b> atio	n				
	restr	a(incs	)					
	(hea	dNest	s),					
	whe	t <b>l66</b> r1/	2009					
	or	UNI	ECE					
	not	Reg	ulatic	n				
	inco	rNora	ted					
	in	25						
	vehi	cle						
	seats	\$						

(ii) In Appendix 1, Table 1, the following entries 3B and 38A are inserted:

3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UNECE Regulation No 58	В
38A	Head restraints	Regulation (EC) No 661/2009 UNECE Regulation No 25	X

(iii) In Appendix 1, Table 2, entry 38 is deleted and the following 3B is inserted:

3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UNECE Regulation No 58	В

- (b) Part II is amended as follows:
  - (i) Points 2 to 57 of the table are deleted
  - (ii) The following point 58 is inserted:

58.	Pedestrian protection	127	00	
	Braking (brake assist)	13-Н	00 (Supplement 9 and above)	

(3) Annex XI is replaced by the following:

## ANNEX XI

## NATURE OF AND PROVISIONS FOR THE EC TYPE-APPROVAL OF SPECIAL PURPOSE VEHICLES

 $Appendix Motor-Caravans,\,Ambulances\,\,and\,\,Hearses$ 

Item	Subject	Regulato act reference	500 kg <sup>a</sup>	$M_1 > 2$ $500 \text{ kg}^a$	M <sub>2</sub>	M <sub>3</sub>
1	Permissib Sound level	Directive 70/157/ EEC	Н	G+H	G+H	G+H
2	Emissions (Euro 5 and 6) light duty vehicles/ access to informatic	Regulatio (EC) 715/2007	<sup>n</sup> Q ( <sup>1</sup> )	G+Q (1)	G+Q (1)	
3	Fuel tanks/ rear protective devices	Directive 70/221/ EEC	F ( <sup>2</sup> )	F ( <sup>2</sup> )	F ( <sup>2</sup> )	F ( <sup>2</sup> )
3A	Prevention of fire risks (liquid fuel tanks)	nRegulatio (EC) No 661/2009 UNECE Regulatio No 34		F ( <sup>2</sup> )	F ( <sup>2</sup> )	F ( <sup>2</sup> )
3B	protective devices			X	X	X
4	Rear registratio	Directive n70/222/ EEC	X	X	X	X

a Technically permissible maximum laden mass

	plate space					
4A	Space for mounting and fixing rear registratio plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010 n	n	X	X	X
5	Steering effort	Directive 70/311/ EEC	X	G	G	G
5A	Steering equipmen	Regulation (EC) No 661/2009 UNECE Regulation No 79		G	G	G
6	Door latches and hinges	Directive 70/387/ EEC	В	G+B		
6A	Vehicle access and manoeuvr	Regulation (EC) No 661/2009 aRidignylation (EU) No 130/2012		X		
6B	Door latches and door retention componen	Regulation (EC) No 661/2009 UNECE (Regulation No 11		G+B		
7	Audible warning	Directive 70/388/ EEC	X	X	X	X
7A	Audible warning devices and signals	Regulatio (EC) No 661/2009 UNECE Regulatio No 28		X	X	X
8	Devices for	Directive 2003/97/ EC	X	G	G	G

	indirect vision					
8A	Devices for indirect vision and their installatio			G	G	G
9	Braking	Directive 71/320/ EEC	X	G	G	G
9A	Braking of vehicles and trailers	Regulatio (EC) No 661/2009 UNECE Regulatio No 13-H		G+A <sub>1</sub>		
9B	Braking of vehicles and trailers	Regulatio (EC) No 661/2009 UNECE Regulatio No 13			G( <sup>3</sup> )	G( <sup>3</sup> )
10	Radio interferen (electrom compatibi	a grifectic	X	X	X	X
10A	Electroma	Regidatio I(fyC) No 661/2009 UNECE Regulatio No 10		X	X	X
12	Interior fittings	Directive 74/60/ EEC	С	G+C		
12A	Interior fittings	Regulatio (EC) No 661/2009 UNECE Regulatio No 21		G+C		
13	Anti- theft and immobilis	Directive 74/61/ SelEEC	X	G	G	G
a Techni	cally permissibl	e maximum lac	len mass			

13A	of motor vehicles against	Regulation (EC) No 661/2009 UNECE Megulation No 18			G ( <sup>4A</sup> )	G ( <sup>4A</sup> )
13B	of motor vehicles against	Regulation (EC) No 661/2009 UNECE Regulation No 116		G		
14	Protective steering	Directive 74/297/ EEC	X	G		
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UNECE Regulation No 12		G		
15	Seat strength	Directive 74/408/ EEC	D	G+D	G+D	G+D
15A	Seats, their anchorage and any head restraints	Regulation (EC) No \$661/2009 UNECE Regulation No 17		G+D	G +D ( <sup>4B</sup> )	G +D ( <sup>4B</sup> )
15B	Seats of large passenger vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 80			X	X
a Technic	Exterior projection	EEC	part	G for the cab; A+Z for the remaining part		

16A	External projection	661/2009 UNECE	the cab;	G for the cab; A+Z for the remaining part		
17	Speedome and reverse gear	tDirective 75/443/ EEC	X	X	X	X
17A	Vehicle access and manoeuvr	Regulation (EC) No 661/2009 aRidgylation (EU) No 130/2012		X	X	X
17B	equipmen including its	tRegulation t(EC) No 661/2009 UNECE nRegulation No 39		X	X	X
18	Plates (statutory)	Directive 76/114/ EEC	X	X	X	X
18A	Manufacti statutory plate and vehicle identificat number	uRurgulation (EC) No 661/2009 Regulation i(InU) No 19/2011		X	X	X
19	Seat belt anchorage	Directive s76/115/ EEC	D	G+L	G+L	G+L
19A	Isofix	Regulation (EC) No s661/2009 UNECE sRegulation No 14		G+L	G+L	G+L

20	Installatio of lighting and light signalling devices	nDirective 76/756/ EEC	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
20A	Installatio of lighting and light- signalling devices on vehicles	nRegulatio (EC) No 661/2009 UNECE Regulatio No 48		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
21	Retro reflectors	Directive 76/757/ EEC	X	X	X	X
21A	Retro- reflecting devices for power- driven vehicles and their trailers	Regulatio (EC) No 661/2009 UNECE Regulatio No 3		X	X	X
22	End- outline, front- side, rear- side, stop, day time running, side- marker lamps	Directive 76/758/ EEC	X	X	X	X
22A	Front and rear position lamps, stop- lamps and end- ouline marker	Regulatio (EC) No 661/2009 UNECE Regulatio No 7		X	X	X

Technically permissible maximum laden mass

	lamps for motor vehicles and their trailers					
22B	Daytime running lamps for power- driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87		X	X	X
22C	Side- marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91		X	X	X
23	Direction indicators		X	X	X	X
23A	Direction indicators for power- driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6		X	X	X
24	Rear registratio plate lamps	Directive n/6/760/ EEC	X	X	X	X
24A	of rear-	oRegulation (EC) No n661/2009 UNECE Regulation No 4		X	X	X
25	Head lamps	Directive 76/761/ EEC	X	X	X	X
a Technic	ally permissible	e maximum lac	len mass			

	(including bulbs)					
25A	Power-driven vehicle's sealed-beam headlamp (SB) emitting an European asymmetr passing beam or a driving beam or both			X	X	X
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 37		X	X	X
25C	equipped	Regulation		X	X	X
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of	661/2009 UNECE Regulation No 99	n	X	X	X

	power- driven vehicles					
25E	Motor vehicle headlamp emitting an asymmetr passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No s661/2009 UNECE Regulation idd 112		X	X	X
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123		X	X	X
26	Front fog lamps	Directive 76/762/ EEC	X	X	X	X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19		X	X	X
27	Towing hooks	Directive 77/389/ EEC	Е	Е	Е	Е
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	n D	Е	Е	Е
a Techni	cally permissibl		1011 111055	,		

28	Rear fog lamps	Directive 77/538/ EEC	X	X	X	X
28A	Rear fog lamps for power- driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 38		X	X	X
29	Reversing lamps	Directive 77/539/ EEC	X	X	X	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23		X	X	X
30	Parking lamps	Directive 77/540/ EEC	X	X	X	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77		X	X	X
31	Seat belts and restraint systems	Directive 77/541/ EEC	D	G+M	G+M	G+M
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16		G+M	G+M	G+M

32	Forward vision	Directive 77/649/ EEC	X	G		
32A	Forward field of vision	Regulation (EC) No 661/2009 UNECE Regulation No 125		G		
33	Identificat of controls, tell- tales and indicators	iDirective 78/316/ EEC	X	X	X	X
33A	Location and identificat of hand controls, tell- tales and indicators	Regulation (EC) No i661/2009 UNECE Regulation No 121		X	X	X
34	Defrost/ demist	Directive 78/317/ EEC	X	G ( <sup>5</sup> )	(5)	(5)
34A	defrosting and	eRegulation (EC) No 661/2009 Regulation (EU) No 672/2010		G ( <sup>5</sup> )	(5)	(5)
35	Wash/ wipe	Directive 78/318/ EEC	X	G ( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
35A	Windscree wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	n	G ( <sup>6</sup> )	(6)	(6)
36	Heating systems	Directive 2001/56/ EC	X	X	X	X

36A	Heating systems	Regulation (EC) No 661/2009 UNECE Regulation No 122		X	X	X
37	Wheel guards	Directive 78/549/ EEC	X	G		
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	n	G		
38	Head restraints	Directive 78/932/ EEC	D	G+D		
38A	Head restraints (headrests whether or not incorporat in vehicle seats	UNECE Regulation		G+D	A	A
41	Emissions (Euro IV and V) heavy duty vehicles	Directive 2005/55/ EC	H ( <sup>8</sup> )	G+H ( <sup>8</sup> )	G+H ( <sup>8</sup> )	G+H ( <sup>8</sup> )
41A	Emissions (Euro VI) heavy duty vehicles/ access to informatio	Regulation (EC) No 595/2009	•G+H ( <sup>9</sup> )	G+H ( <sup>9</sup> )	G+H ( <sup>9</sup> )	G+H ( <sup>9</sup> )
44	Masses and dimension (cars)	Directive 92/21/ sEEC	X	X		

Masses and   Regulation   X   (EC) No dimension   61/2009   Regulation   (EU) No   1230/2012     G+J   G+J							
glazing 92/22/ EEC  45A Safety RegulationJ (EC) No materials and their unstallation Regulation No 43 vehicles  46 Tyres Directive 92/23/ EEC  46A Installation Regulation X of tyres (EC) No 661/2009 Regulation (EU) No 458/2011  46B Pneumatic Regulation (EU) No 458/2011  46C Pneumatic Regulation— (EC) No commercia 661/2009 vehicles and their trailers (Class C1)  46C Pneumatic Regulation— (EC) No commercia 661/2009 vehicles and their trailers Regulation No 54	44A	and	(EC) No as61/2009 Regulation (EU) No	n	X		
glazing materials and their uNECE installationRegulation on No 43 vehicles  46 Tyres Directive X 92/23/ EEC  46A InstallationRegulationX of tyres (EC) No 661/2009 Regulation (EU) No 458/2011  46B Pneumatic RegulationX tyres for motor 661/2009 vehicles and their trailers (Class C1)  46C Pneumatic Regulation— tyres for (EC) No commercia 661/2009 vehicles UNECE and their trailers uNeCE and their trailers Regulation No 54	45		92/22/	J	G+J	G+J	G+J
92/23/ EEC  46A InstallationRegulationX of tyres (EC) No 661/2009 Regulation (EU) No 458/2011  46B Pneumatic RegulationX tyres for motor vehicles and their trailers (Class C1)  46C Pneumatic Regulation— tyres for (EC) No commercia 661/2009 vehicles and their trailers (Regulation— tyres for commercia 661/2009 vehicles and their trailers No 54  46C Regulation— G G G G	45A	glazing materials and their installation	(EC) No 661/2009 UNECE nRegulation		G+J	G+J	G+J
of tyres  (EC) No 661/2009 Regulation (EU) No 458/2011   46B Pneumatic RegulationX tyres for (EC) No motor 661/2009 vehicles UNECE and their trailers (Class C1)  G  G  G  G  G  G  G  G  G  G  G  G  G	46	Tyres	92/23/	X	G	G	G
tyres for motor 661/2009 vehicles UNECE and their trailers (Class C1)  46C Pneumatic Regulation— tyres for (EC) No commercia 661/2009 vehicles UNECE and their trailers No 54  GGG  GG  GG  GG  GG  GG  GG  GG  GG	46A		(EC) No 661/2009 Regulation (EU) No		G	G	G
tyres for (EC) No commercia 61/2009 vehicles UNECE and their Regulation trailers No 54	46B	tyres for motor vehicles and their trailers (Class	(EC) No 661/2009 UNECE Regulation		G		
C2 and C3)	46C	tyres for commercia vehicles and their trailers (Classes C2 and	(EC) No ab61/2009 UNECE Regulation		G	G	G
46D Tyre RegulationX G G G rolling (EC) No sound emissions, adhesion	46D	rolling sound emissions	(EC) No 661/2009	nΧ	G	G	G
a Technically permissible maximum laden mass	a Technica	ally permissible	e maximum lac	len mass			

	on wet surfaces and rolling resistance (Classes C1, C2 and C3)	UNECE Regulation No 117	n			
46E	Temporary use spare unit, run-flat tyres/ system and tyre pressure monitorin system	661/2009 UNECE Regulation No 64		G		
47	Speed limitation devices	Directive 92/24/ EEC			X	X
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 89			X	X
48	Masses and dimension (other than vehicles referred to in item 44)	Directive 97/27/ sEC			X	X
48A	Masses and dimension	Regulation (EC) No as661/2009 Regulation (EU) No 1230/2012	n		X	X
50	Couplings	Directive 94/20/ EC	X (10)	G ( <sup>10</sup> )	G ( <sup>10</sup> )	G ( <sup>10</sup> )
50A	coupling	aRegulation (EC) No ut661/2009	nX ( <sup>10</sup> )	G (10)	G ( <sup>10</sup> )	G ( <sup>10</sup> )
a Tech	nically permissible	e maximum lac	den mass			

of combinati of vehicles	UNECE ORegulation No 55	n			
Flammabi	IDvrective 95/28/ EC				G for the cab; X for the remaining part
of materials used in the interior	(EC) No 661/2009 UNECE Regulation No 118				G for the cab; X for the remaining part
Buses and coaches	Directive 2001/85/ EC			A	A
M <sub>2</sub> and M <sub>3</sub> vehicles	(EC) No 661/2009 UNECE			A	A
of large	(EC) No t664/2009 UNECE			A	A
Frontal impact	Directive 96/79/ EC	N/A	N/A		
of	(EC) No 661/2009 UNECE		N/A		
	combination of vehicles  Flammabi  Burning behaviour of materials used in the interior construction of certain categories of motor vehicles  Buses and coaches  M2 and M3 vehicles  Strength of the superstruction of large passenger vehicles  Frontal impact  Protection of occupants in the event of a frontal	combination No 55 vehicles  Flammability rective 95/28/EC  Burning Regulation (EC) No 661/2009 materials used Regulation (EC) No 118 interior construction of certain categories of motor vehicles  Buses Directive and 2001/85/coaches  Buses Directive and 2001/85/coaches  EC  M2 Regulation (EC) No 661/2009 UNECE Regulation No 107  Strength of the (EC) No superstruct (664/2009) UNECE Regulation No 107  Strength Regulation (EC) No superstruct (664/2009) UNECE Regulation No 107  Strength Regulation (EC) No superstruct (664/2009) UNECE Regulation No 66  Frontal Directive 96/79/EC  Protection Regulation (EC) No occupants in the UNECE Regulation No 94	combination No 55 vehicles  Flammabil Directive 95/28/EC  Burning behaviour of 661/2009 UNECE Regulation in the interior construction of certain categories of motor vehicles  Buses Directive and 2001/85/coaches EC  M2 Regulation (EC) No 661/2009 UNECE Regulation no 107  Strength of the (EC) No superstruct 1664/2009 UNECE Regulation No 107  Strength of the (EC) No superstruct 1664/2009 UNECE Regulation No 107  Strength of the (EC) No superstruct 1664/2009 UNECE Regulation No 66  Frontal Directive No 661/2009 UNECE Regulation No 94	combination of No 55 vehicles  FlammabiliDirective 95/28/ EC  Burning behaviour (EC) No of 661/2009 materials UNECE used Regulation in the No 118 interior construction of certain categories of motor vehicles  Buses Directive and 2001/85/ coaches EC  M2 Regulation (EC) No vehicles  Buses Directive and 2001/85/ coaches EC  M2 Regulation (EC) No vehicles  Buses Directive and 2001/85/ coaches EC  M2 Regulation (EC) No superstructof 661/2009 UNECE Regulation No 107  Strength of the (EC) No superstructof 2009 of large UNECE Passenger Regulation No 66  Frontal Directive No 66  Regulation No 94	combination of vehicles  Flammabil Directive 95/28/EC  Burning behaviour of 661/2009 UNECE Regulation in the interior construction of certain categories of motor vehicles  Buses and 2001/85/coaches  Buses And 2001/85/coaches  Buses And 2001/85

54	Side impact	Directive 96/27/ EC	N/A	N/A		
54A	Protection of occupants in the event of lateral collision	Regulation (EC) No 661/2009 UNECE Regulation No 95		N/A		
58	Pedestrian protection	Regulation (EC) No 78/2009	nΧ	N/A. However, any frontal protection systems supplied with the vehicle shall comply and shall be marked		
59	Recyclabi	1D)rective 2005/64/ EC	N/A	N/A		
61	Air- conditioni system	Directive 12006/40/ EC	X	G ( <sup>14</sup> )		
62	Hydrogen system	Regulation (EC) No 79/2009	nΧ	X	X	X
63	General Safety	Regulation (EC) No 661/2009	<sup>n</sup> X ( <sup>15</sup> )	X (15)	X (15)	X (15)
64	Gear shift indicators	Regulation (EC) No 661/2009 Regulation (EU) No 65/2012		G		
65	Advanced emergency braking system	Regulation (EC) No 661/2009	n		N/A ( <sup>16</sup> )	N/A (16)

		Regulation (EU) No 347/2012	n			
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 componer for liquefied petroleum gases (LPG) and their installatio on motor vehicles	661/2009 UNECE Regulation No 67		X	X	X
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UNECE Regulation No 97		G		
69	Electrical safety	Regulation (EC) No 661/2009 UNECE Regulation No 100		X	X	X
70	Specific componer for CNG and their installatio on motor vehicules	Regulation (SEC) No 661/2009 UNECE nRegulation No 110		X	X	X

a Technically permissible maximum laden mass

# Additional requirements for ambulances

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

# Appendix 2

# **Armoured Vehicles**

Item	to	ulatory		M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>
1	Permissible sound 70/1 level EEC	57/	X	X	X	X	X				
2	EmissiRug (Euro (EC 5 No and 715 6) light duty vehicles/ access to informatio	/2007	A (1)		A (1)	A (1)					
3	Fuel Dire tanks/70/2 rear EEC protective devices		X ( <sup>2</sup> )	X	X	X	X				
3A	(liquidUN	) /2009	X ( <sup>2</sup> )	X	X	X	X				
3B	Rear Reg underrunce protectivae devices61. (RUPDs) and Reg their No installatsor rear underrun protection (RUP)	/2009 ECE ulation	X	X	X	A	A	X	X	X	X

4	Rear registra			X	X	X	X	X	X	X	X	X
4A	mounti and fixing	(EC) Mg 661/2 Regul (EU) Mion	009 ation	X	X	X	X	X	X	X	X	X
5	Steerin			X	X	X	X	X	X	X	X	X
5A			009 CE	X	X	X	X	X	X	X	X	X
6	Door latches and hinges					X	X	X				
6A	manoe	(EČ) No	<b>0109</b> y ation	X	X	X	X	X				
6B	door retention compo	(EČ) No 661/2 bhne(	009 CE			X						
7	Audibl warnin			A+K	A+K	A+K	A+K	A+K				
7A	Audibl warnin		a <b>Ai+K</b>	A+K	A+K	A+K	A+K	A+K				

	deviceNo and 661/2 signalsUNE Regu No 28										
8	IndiredDirection 2003 device&C		A	A	A	A	A				
8A	DeviceRegue for (EC) indirecNo vision 661/2 and UNE their Regue installation 46	2009 CE	A	A	A	A	A				
9	Brakin@irec 71/32 EEC		X	X	X	X	X	X	X	X	X
9A	Brakingegu of (EC) vehicleso and 661/2 trailersUNE Regu No 13	2009	X ( <sup>3</sup> )								
9B	Brakinkegu of (EC) passenker cars 661/2 UNE Regu No 13- H	2009			X (4)						
10	Radio Direction interference (electronna) compatibili	45/ metic	X	X	X	X	X	X	X	X	X
10A	Electron (Ed) No 661/2 UNE Regu No 10	ty 2009	X	X	X	X	X	X	X	X	X

12	InterioDirec fittings/4/60 EEC								
12A	InterioRegul fitting(EC) No 661/2 UNE Regul No 21	009 CE							
13	Anti- Direc theft 74/61 and EEC immobiliser	/	X	X	X	X	X		
13A	Protec Rægul of (EC) motor No vehicles61/2 agains UNE unauthRægul use No 18	009 CE	X ( <sup>4A</sup> )	)X ( <sup>4A</sup> )		X ( <sup>4A</sup> )	)X ( <sup>4A</sup> )		
13B	Protec Rægul of (EC) motor No vehicles 61/2 agains UNE unauth Reigna use No 116	009 CE			X				
14	Protectivized steering 4/29 EEC				N/A				
14A	Protections of (EC) the No driver 661/2 against UNE the Regulsteering of mechanism in the event of impact	009 CE			N/A				

15	Seat streng	Direc fM/40 EEC		D	D	D	D	D		
15A	Seats, their ancho and any head restrai	(EC) raages 661/2 UNE Regul	009 CE	D ( <sup>4B</sup> )	D ( <sup>4B</sup> )	D	D	D		
15B	Seats of large passer vehicl	(EC) No 1 <b>661</b> /2	009 CE	D	D					
16	Exteri									
16A	Exterr	nRlegul (1668) No 661/2 UNE Regul No 26	009 CE							
17	Speed and revers gear	75/44		X	X	X	X	X		
17A	Vehic access and manos	S(EC) No	<b>010:9</b> / ation	X	X	X	X	X		
17B	Speed equips includ its install	n(Ent) Ng 661/2	009 CE	X	X	X	X	X		

	No 39										
18	StatutoDyrec plates 76/11 EEC		X	X	X	X	X	X	X	X	X
18A	ManufRetgud statuto(E/C) plate No and 661/2 vehiclRegul identif(Edti) numbeNo 19/20	009 ation n	X	X	X	X	X	X	X	X	X
19	Seat Direct belt 76/11 anchorages	l	A	A	A	A	A				
19A	Safety Regulbelt (EC) anchorages, Isofix 661/2 anchorages and No Isofix 14 top tether anchorages	009 CE	A	A	A	A	A				
20	Install adioect of 76/75 lighting EC and light signalling devices		A+N								
20A	Install Rigulof (EC) lightinglo and 661/2 light- UNEO signal Regulor device No on 48 vehicles	009 CE	A+N								
21	Retro Direct reflect 66/75 EEC		X	X	X	X	X	X	X	X	X
21A	Retro-Regul reflect(FgC)	a <b>X</b> ion	X	X	X	X	X	X	X	X	X

	deviceNo for 661/2009 power-UNECE driven Regulation vehicleNo 3 and their trailers									
22	End- outline 76/758/ front- EEC position (side), rear- position (side), stop, side marker, daytime running lamps	X	X	X	X	X	X	X	X	X
22A	Front and (EC) rear No position (EC) lamps, UNECE stop-Regulation lamps No 7 and end-ouline marker lamps for motor vehicles and their trailers		X	X	X	X	X	X	X	X
22B	DaytinRegulation runningEC) lamps No for 661/2009 power-UNECE driven Regulation vehiclesto 87		X	X	X	X				
22C	Side- Regulation marker(EC) lamps	X	X	X	X	X	X	X	X	X

23	for No motor 661/2009 vehicles NECE and Regulation No trailers 91  Direction rectixe indicato 68759/EEC	X	X	X	X	X	X	X	X	X
23A	Direction gulation indicat(dEC) for No power 661/2009 driven UNECE vehicles egulation and No 6 their trailers	X	X	X	X	X	X	X	X	X
24	Rear Directixe registrat66760/ plate EEC lamps	X	X	X	X	X	X	X	X	X
24A	Illumi Ratigul axion of (EC) rear- No registrata total 2009 plates UNECE of Regulation power-No 4 driven vehicles and their trailers	X	X	X	X	X	X	X	X	X
25	Headlanipsctixe (includio 61/ bulbs) EEC	X	X	X	X	X				
25A	Power Regulation driven (EC) vehicle to sealed 661/2009 beam UNECE headla Regulation (SB) No emitting an European asymmetrical passing beam	X	X	X	X	X				

	or a driving beam or both									
25B	FilameRegulation lamps (EC) for No use 661/2009 in UNECE approvædgulation 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) headlations equipped1/2009 with UNECE gas-Regulation discharge light 98 sources	X	X	X	X	X				
25D	Gas-discharge() light No source 661/2009 for UNECE use Regulation in No approved gas-discharge lamp units of power-driven vehicles	X	X	X	X	X				
25E	Motor Regulation vehicle(EC) headlation emittire 61/2009 an UNECE asymptetical tion	X	X	X	X	X				

	passinglo beam 112 or a driving beam or both and equipped with filament lamps and/ or LED modules									
25F	AdaptiRegulation front- (EC) lightinglo systems61/2009 (AFS) UNECE for Regulation motor No vehicles23	X	X	X	X	X				
26	Front Directixe fog 76/762/ lamps EEC	X	X	X	X	X				
26A	PowerRegulation driven(EC) vehicleNo front 661/2009 fog UNECE lamps Regulation No 19	X	X	X	X	X				
27	Towin Directive hooks 77/389/ EEC	A	A	A	A	A				
27A	Towin Regulation device(EC) No 661/2009 Regulation (EU) No 1005/2010	A	A	A	A	A				
28	Rear Directixe fog 77/538/ lamps EEC	X	X	X	X	X	X	X	X	X

28A	Rear Regulation (EC) lamps No for 661/2009 power-UNECE driven Regulation vehicles o and 38 their trailers	X	X	X	X	X	X	X	X	X
29	Reversibigective lamps 77/539/ EEC	X	X	X	X	X	X	X	X	X
29A	Reversitegulation lights (EC) for No power-661/2009 driven UNECE vehicles egulation and No their 23 trailers	X	X	X	X	X	X	X	X	X
30	Parkin@irectiXe lamps 77/540/ EEC	X	X	X	X	X				
30A	Parkin Regulation lamps (EC) for No power 661/2009 driven UNECE vehicl Regulation No 77	X	X	X	X	X				
31	Seat Directive belts 77/541/ and EEC restraint systems	A	A	A	A	A				
31A	Safety Regulation belts, (EC) restrait to system 561/2009 child UNECE restrait Regulation system to and 16 Isofix child		A	A	A	A				

		Í	ı	1	I	ı	I	I	ı	I
	restraint systems									
32	Forwardirects/e vision 77/649/ EEC									
32A	ForwarRegulation field (EC) of No vision 661/2009 UNECE Regulation No 125									
33	Identi florition to of 78/316/controls EC tell-tales and indicators	X	X	X	X	X				
33A	Location (EC) identification of 661/2009 hand UNECE control Regulation tell-No tales 121 and indicators		X	X	X	X				
34	DefrosDirective demist78/317/ EEC	(5)	(5)	(5)	(5)	(5)				
34A	Winds Regulation defros (ing) and No demistried /2009 system Regulation (EU) No 672/2010		(5)	(5)	(5)	(5)				
35	Wash/Directive wipe 78/318/ EEC	( <sup>6</sup> )	(6)	(6)	(6)	( <sup>6</sup> )				
35A	Winds Regulation wiper (EC) and No 661/2009	(6)	(6)	(6)	( <sup>6</sup> )	( <sup>6</sup> )				

	washerRegulation system(EU) No 1008/2010									
36	HeatinDirectiXe system2001/56/ EC	X	X	X	X	X	X	X	X	X
36A	Heatin Regulation system (EC) No 661/2009 UNECE Regulation No 122	X	X	X	X	X	X	X	X	X
37	WheelDirectiXe guards78/549/ EEC									
37A	WheelRegulation guards(EC) No 661/2009 Regulation (EU) No 1009/2010									
38	Head DirectiXe restrain 18/932/ EEC									
38A	Head Regulation restraintsC) (headrests), whether 661/2009 or UNECE not Regulation incorporated in 25 vehicle seats									
41	EmissiDinsectige(8) (Euro 2005/55/ IV EC and V) heavy duty vehicles.	X (8)	X	X (8)	X (8)	X				

41A	EmissiRugulax (Euro (EC) VI) No heavy 595/200 duty vehicles/ access to information		X	X ( <sup>9</sup> )	X ( <sup>9</sup> )	X				
42	Latera Directive protects 80/297/				X	X			X	X
42A	Latera Regulat protec (156) of No goods 661/200 vehicles NECE Regulat No 73	<b>)9</b>			X	X			X	X
43	Spray-Directive suppression 6/ system SEC	/e		X	X	X	X	X	X	X
43A	Spray Regulat suppre(EiGh) systemNo 661/200 Regulat (EU) No 109/201	09 ion		X	X	X	X	X	X	X
44	Masse Directive and 92/21/dimensions (cars)	Ke .								
44A	MasseRegular and (EC) dimensions 661/200 Regulat (EU) No 1230/20	)9 ion								
45	Safety Direction glazin 92/22/ EEC	léA N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45A	Safety Regulating (EC)	iloan N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	materials and 661/2009 their UNECE installatingulation on No vehicles									
46	Tyres Directive 92/23/ EEC	A	A	A	A	A	A	A	A	A
46A	Install Riegulation of (EC) tyres No 661/2009 Regulation (EU) No 458/2011	A	A	A	A	A	A	A	A	A
46B	Pneumatigulation tyres (EC) for No motor 661/2009 vehicles NECE and Regulation their No trailers 30 (Class C1)			A			A	A		
46C	Pneumatigulation tyres (EC) for No commeteld NECE and Regulation their No trailers 54 (Classes C2 and C3)	A	A	A	A	A			A	A
46D	Tyre Regulation rolling(EC) sound No emissi 664/2009 adhesi 66NECE Regulation wet No surfacetsl 7 and rolling resistance	A	A	A	A	A	A	A	A	A

	(Classes C1, C2 and C3)										
46E	TempoRagulause (EC) spare No unit, 661/20 run- UNEO flat Regulatyres/ No system64 and tyre pressure monitoring system	009 CE			A (9A)						
47	Speed Direct limitat924/24/ deviceEEC	ive	X	X		X	X				
47A	Speed Regulation Initiation (MacC) of No vehicle 661/20 UNEO Regulation No 89	009 CE	X	X		X	X				
48	Masse Direct and 97/27/ diment Chs (other than vehicles referred to in item 44)		X	X	X	X	X	X	X	X	X
48A	MassesRegula and (EC) dimensions 661/20 Regula (EU) No 1230/2	009 ation	X	X	X	X	X	X	X	X	X
49	Externalirect projectants				A	A	A				

	of cabs										
49A	CommRegative hick Level 1 (Level Level Lev	2009 CE			A	A	A				
50	Couplingsec 94/20 EC	cti <b>x</b> e(10)	X (10)	X (10)	X (10)	X (10)	X (10)	X	X	X	X
50A	Mechanical coupling(EC) components of 661/2 combination of Regulation S5	2009	X ( <sup>10</sup> )	X (10)	X (10)	X (10)	X (10)	X	X	X	X
50B	Close-Regu coupling(C) deviceNo (CCD)661/2 fitting UNE of Regu an No approvb02 type of CCD	2009				X ( <sup>10</sup> )	X ( <sup>10</sup> )			X ( <sup>10</sup> )	X ( <sup>10</sup> )
51	Flammanier 95/28 EC			X							
51A	Burningegu behavi(HDC) of No material(s1/2 used UNE in Regu the No interion 18 construction	2009 CE lation		X							

	of certain categories of motor vehicles						
52	Buses Directive and 2001/85/ coaches C	A	A				
52A	M <sub>2</sub> Regulation and (EC) M <sub>3</sub> No vehicle 61/2009 UNECE Regulation No 107	A	A				
52B	Streng Regulation of (EC) the No supers 66 66 1200 9 of UNECE large Regulation passen ster vehicles 6	A	A				
53	FrontaDirectiNéA impact96/79/ EC						
53A	Protections of (EC) occupants in 661/2009 the UNECE event Regulation of a No frontal 194 collision						
54	Side DirectiNéA impac 96/27/ EC			N/A			
54A	ProtectRægulation of (EC) occupants in 661/2009 the UNECE event Regulation of No lateral 95 collision			N/A			

55	(empty)								
56	Vehiclesirective intendes/91/for EC the transport of dangerous goods		X ( <sup>13</sup> )	X (13)	X (13)	X (13)	X ( <sup>13</sup> )	X ( <sup>13</sup> )	X ( <sup>13</sup> )
56A	Vehic Regulation for (EC) the No carriage61/2009 of UNECE dangerRegulation goods No 105		X ( <sup>13</sup> )	X (13)	X ( <sup>13</sup> )	X (13)	X ( <sup>13</sup> )	X ( <sup>13</sup> )	X ( <sup>13</sup> )
57	Front Directive underrance/40/40/protection			X	X				
57A	Front Regulation underrunce (InC) protective device 661/2009 (FUPDS) NECE and Regulation their No install (MB) front underrun protection (FUP)			X	X				
58	PedestRægulaNoN protect(156) No 78/2009		N/A						
59	RecyclabinettiNeA 2005/64/ EC		N/A		_				
60	(empty)								
61	Air- Directixe conditi2006g40/systemsC		X (14)						
62	Hydro Rangulation system(EC) No 79/2009	A A	A	A	A				

63	General egulaxi Safety (EC) No 661/200		X (15)							
64	Gear Regulation (EC) indicativities 661/2000 Regulation (EU) No 65/2012	9								
65	AdvanRægulati emergeficty) brakin No system 661/200 Regulati (EU) No 347/2012	9 on	(16)		(16)	(16)				
66	Lane Regulati depart(FC) warningo system661/200 Regulati (EU) No 351/201	9 on	(17)		(17)	(17)				
67	Specificegulaticompo(fe6t)s for No liquefi661/200 petrolediNECE gases Regulati (LPG) No and 67 their installation on motor vehicles	9	X	X	X	X				
68	Vehiclæegulæ alarm (EC) systemso (VAS)661/200 UNECE Regulati No 97	9		X						

69	ElectriRadgu safety (EC) No 661/2 UNE Regu No 100	2009	X	X	X	X	X		
70	Specification comported to the comported	2009 CE	X	X	X	X	X		

## AppendixWheel-chair Accessible Vehicles 3

Item	Subject	Regulatory act	M <sub>1</sub>
1	Permissible sound level	Directive 70/157/EEC	G+W <sub>0</sub>
2	Emissions (Euro 5 and 6) light duty vehicles/access to information	Regulation (EC) No 715/2007	G+W <sub>1</sub>
3	Fuel tanks/ rear protective devices	Directive 70/221/EEC	X+W <sub>2</sub>
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UNECE 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 UNECE Regulation No 58	X
4	Rear registration plate space	Directive 70/222/EEC	X
4A	Space for mounting and	Regulation (EC) No 661/2009	X

	fixing rear registration plates	Regulation (EU) No 1003/2010	
5	Steering effort	Directive 70/311/EEC	G
5A	Steering equipment	Regulation (EC) No 661/2009 UNECE Regulation No 79	G
6	Door latches and hinges	Directive 70/387/EEC	X
6A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X
6B	Door latches and door retention components	Regulation (EC) No 661/2009 UNECE Regulation No	X
7	Audible warning	Directive 70/388/EEC	X
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UNECE Regulation No 28	X
8	Indirect vision devices	Directive 2003/97/EC	X
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UNECE Regulation No 46	X
9	Braking	Directive 71/320/EEC	G
9B	Braking of passenger cars	Regulation (EC) No 661/2009 UNECE Regulation No 13-H	G+A <sub>1</sub>
10	Radio interference (electromagnetic compatibility)	Directive 72/245/EEC	X

10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UNECE Regulation No 10	X
12	Interior fittings	Directive 74/60/ EEC	G+C
12A	Interior fittings	Regulation (EC) No 661/2009 UNECE Regulation No 21	G+C
13	Anti-theft and immobiliser	Directive 74/61/ EEC	X
13B	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UNECE Regulation No 116	X
14	Protective steering	Directive 74/297/EEC	G
14A	Protection of the driver against the steering mechanism in the event of impact	Regulation (EC) No 661/2009 UNECE Regulation No 12	G
15	Seat strength	Directive 74/408/EEC	G+W <sub>3</sub>
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UNECE Regulation No 17	G+W <sub>3</sub>
16	Exterior projections	Directive 74/483/EEC	G+W <sub>4</sub>
16A	External projections	Regulation (EC) No 661/2009 UNECE Regulation No 26	G+W <sub>4</sub>
17	Speedometer and reverse gear	Directive 75/443/EEC	X
17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009	X

		Regulation (EU) No 130/2012	
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UNECE Regulation No 39	X
18	Statutory plates	Directive 76/114/EEC	X
18A	Manufacturer's statutory plate and vehicle identification number	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X
19	Seat belt anchorages	Directive 76/115/EEC	X+W <sub>5</sub>
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UNECE Regulation No 14	X+W <sub>5</sub>
20	Installation of lighting and light signalling devices	Directive 76/756/EEC	X
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 48	X
21	Retro reflectors	Directive 76/757/EEC	X
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 3	X
22	End-outline, front-position (side), rear- position (side), stop, side marker, daytime running lamps	Directive 76/758/EEC	X

22A	Front and rear position lamps, stop-lamps and end-ouline marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 7	X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87	X
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91	X
23	Direction indicators	Directive 76/759/EEC	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6	X
24	Rear registration plate lamps	Directive 76/760/EEC	X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4	X
25	Headlamps (including bulbs)	Directive 76/761/EEC	X
25A	Power-driven vehicle's sealed- beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31	X
25B	Filament lamps for use in approved lamp units of power-	Regulation (EC) No 661/2009 UNECE Regulation No 37	X

	driven vehicles and their trailers		
25C	Motor vehicle headlamps equipped with gas-discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98	X
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99	X
25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112	X
25F	Adaptive front- lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123	X
26	Front fog lamps	Directive 76/762/EEC	X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19	X
27	Towing hooks	Directive 77/389/EEC	Е
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	Е
28	Rear fog lamps	Directive 77/538/EEC	X
28A	Rear fog lamps for power-driven	Regulation (EC) No 661/2009	X

	vehicles and their trailers	UNECE Regulation No 38	
29	Reversing lamps	Directive 77/539/EEC	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23	X
30	Parking lamps	Directive 77/540/EEC	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77	X
31	Seat belts and restraint systems	Directive 77/541/EEC	X+W <sub>6</sub>
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16	X+W <sub>6</sub>
32	Forward vision	Directive 77/649/EEC	G
32A	Forward field of vision	Regulation (EC) No 661/2009 UNECE Regulation No 125	G
33	Identification of controls, tell-tales and indicators	Directive 78/316/EEC	X
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UNECE Regulation No 121	X
34	Defrost/demist	Directive 78/317/EEC	G ( <sup>5</sup> )
34A	Windscreen defrosting	Regulation (EC) No 661/2009	G( <sup>5</sup> )

	and demisting systems	Regulation (EU) No 672/2010	
35	Wash/wipe	Directive 78/318/EEC	G( <sup>6</sup> )
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	G( <sup>6</sup> )
36	Heating systems	Directive 2001/56/EC	X
36A	Heating systems	Regulation (EC) No 661/2009 UNECE Regulation No 122	X
37	Wheel guards	Directive 78/549/EEC	G
37A	Wheel guards	Regulation (EC) No 661/2009 Regulation (EU) No 1009/2010	G
38	Head restraints	Directive 78/932/EEC	X
38A	Head restraints (headrests), whether or not incorporated in vehicle seats	Regulation (EC) No 661/2009 UNECE Regulation No 25	X
41	Emissions (Euro IV and V) heavy duty vehicles.	Directive 2005/55/EC	X+W <sub>1</sub> ( <sup>8</sup> )
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009	X+W <sub>1</sub> ( <sup>9</sup> )
44	Masses and dimensions (cars)	Directive 92/21/ EEC	X+W <sub>8</sub>
44A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	X+W <sub>8</sub>
45	Safety glazing	Directive 92/22/ EEC	G

45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 43	G
46	Tyres	Directive 92/23/ EEC	X
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 C1)	Regulation (EC) No 661/2009 UNECE Regulation No 30	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 117	X
46E	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Regulation (EC) No 661/2009 UNECE Regulation No 64	G( <sup>9A</sup> )
50	Couplings	Directive 94/20/ EC	X( <sup>10</sup> )
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 55	X( <sup>10</sup> )
53	Frontal impact	Directive 96/79/ EC	N/A
53A	Protection of occupants in the event of a frontal collision	Regulation (EC) No 661/2009 UNECE Regulation No 94	N/A
54	Side impact	Directive 96/27/ EC	N/A
54A	Protection of occupants in the	Regulation (EC) No 661/2009	N/A

	event of lateral collision	UNECE Regulation No 95	
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 UNECE Regulation No 67	X
68	Vehicle alarm systems (VAS)	Regulation (EC) No 661/2009 UNECE Regulation No 97	X
69	Electric safety	Regulation (EC) No 661/2009 UNECE Regulation No 100	X
70	Specific components for CNG and their installation on motor vehicules	Regulation (EC) No 661/2009 UNECE Regulation No 110	X

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

*Note*: The following sections 1. and either section 2. or 3. shall apply.

- 0. Definitions
- 0.1. Surrogate wheelchair (SWC) is a rigid, re-usable test wheelchair, as defined in section 3 of ISO 10542-1:2012.

- 0.2. Point P is a representation of the position of the wheelchair occupant's hip when seated in the SWC, as defined in section 3 of ISO 10542-1:2012.
- 1. General requirements
- 1.1. Each wheelchair location shall be provided with anchorages to which a wheelchair tie-down and occupant restraint system (WTORS) shall be fitted.
- 1.2. The wheelchair occupant's lower belt anchorages shall be located in accordance with UNECE Regulation 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. This condition shall still be satisfied after the test carried out according to paragraph 2. below.
- 1.3. An assessment shall be made of the WTORS occupant belt to ensure compliance with the provisions of UNECE Regulation 16-06 paragraphs 8.2.2 to 8.2.2.4 and 8.3.1 to 8.3.4.
- 1.4. The minimum number of ISOFIX child seat anchorages need not to be provided. In the case of a multi-stage approval where an ISOFIX anchorage system has been affected by the conversion, the system shall either be retested or the anchorages shall be rendered unusable. In the latter case the ISOFIX labels shall be removed and appropriate information given to the vehicle purchaser.
- 2. Static in-vehicle testing
- 2.1. Wheelchair occupant restraint anchorages
- 2.1.1. The wheelchair occupant restraint anchorages shall resist the static forces prescribed for occupant restraint anchorages in UNECE Regulation 14-07 simultaneously with the static forces applied to the wheelchair tie-down anchorages as specified in 2.2 below.
- 2.2. 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:

- 2.2.1. 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
- 2.2.2. a second test applying a static force of 8,2 kN directed towards the rear of the vehicle.
- 2.2.3. 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
- 2.2.4. a second test applying a static force of 24,5 kN directed towards the front of the vehicle.
- 2.3. Components of the system

- 2.3.1. All components of the WTORS shall meet the relevant requirements of ISO 10542-1:2012. However, the dynamic test specified in Annex A and paragraphs 5.2.2 and 5.2.3 of 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 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 point 7.7.1 of UNECE Regulation No 16-06.
- 2.3.2. Where the occupant restraint part of the WTORS is approved according to UNECE Regulation No 16-06, it shall be subject to the dynamic test of the complete WTORS specified in paragraph 2.3.1, but the requirements of Paragraphs 5.1, 5.3 and 5.4 of ISO10542-1:2012 shall be considered to have been met.
- 3. Dynamic in-vehicle testing
- 3.1. The full assembly of the WTORS system shall be tested by an in-vehicle dynamic test in line with paragraphs 5.2.2 and 5.2.3 and Annex A of ISO 10542-1:2012, testing all components/anchorages simultaneously, using a vehicle body-in-white or representative structure.
- 3.2. The component parts of the WTORS shall meet the relevant requirements of ISO10542-1:2012 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 according to UNECE Regulation No 16-06.

## Appendix 4

## Other Special Purpose Vehicles (including special group, multi-equipment carrier and trailer Caravans)

The requirements of Annex IV shall be fulfilled to the greatest extent: Application of the exemptions is 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.

Item	Subj	ecRefer to regul act	re <b>M</b> ę atory	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	$O_2$	O <sub>3</sub>	O <sub>4</sub>
1	I	s <b>Dibile</b> ct 70/157 EEC	I	Н	Н	Н	Н				
2	Emiss (Euro 5 and 6) light				Q +V <sub>1</sub> ( <sup>1</sup>	Q )+V <sub>1</sub> ( <sup>1</sup>	)				

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	duty vehicles/ access to information								
3	Fuel Directive(2) tanks/ 70/221/ rear EEC protective devices	F ( <sup>2</sup> )	X	X	X	X			
3A	Preventegulation of (EC) fire No risks 661/2009 (liquid UNECE fuel Regulation tanks) No 34	F	F	F	F	X	X	X	X
3B	Rear Regulation underru(EC) protective devices61/2009 (RUPDS)NECE and Regulation their No installation; rear underrun protection (RUP)	X	A	A	A	X	X	X	X
4	Rear pirective+R registra 10/222/ plate space EEC	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R
4A	Space Regulation (EC) mounting and 661/2009 fixing rear (EU) registration plates 1003/2010	A+R	A+R	A+R	A+R	A+R	A+R	A+R	A+R
5	SteerinDirectiXe effort 70/311/ EEC	X	X	X	X	X	X	X	X
5A	Steeringegulation equipmætt)	X	X	X	X	X	X	X	X

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	No 661/20 UNEC Regula No 79	Ε						
6	Door Directi latches 70/387 and EEC hinges			В	В	В		
6A	VehicleRegula access (EC) and No manoe (664 M20 Regula (EU) No 130/20	<b>109</b> ution	X	В	В	В		
6B	Door Regula latches(EC) and No door 661/20 retentiddNEC compor Regula No	09 E		В				
7	AudiblDirecti warning0/388 EEC		X	X	X	X		
7A	Audiblæegula warningEC) devicesNo and 661/20 signalsUNEC Regula No 28	009 E	X	X	X	X		
8	IndirecDirectivision 2003/9 devicesEC		X	X	X	X		
8A	Device Regula for (EC) indirect No vision 661/20 and UNEC their Regula installation	009 E	X	X	X	X		

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

		No 46									
9	Brakir	Direct 71/320 EEC		X	X	X	X	X	X	X	X
9A	of vehicl and	Regula (EC) eNo 661/20 SUNEC Regula No 13	009 EE	X ( <sup>3</sup> )	X ( <sup>3</sup> )	X +U <sub>1</sub> ( <sup>3</sup>	X )+U <sub>1</sub> ( <sup>3</sup>	X )	X	X ( <sup>3</sup> )	X ( <sup>3</sup> )
9B	Brakin of passer cars	Regula (EC) 800 661/20 UNEO Regula No 13-H	009 EE		X ( <sup>4</sup> )						
10	interfe (electr	Direct redeeds delagn tibility	5/ etic	X	X	X	X	X	X	X	X
10A		oRegula ((Edl)) No 661/20 UNEC Regula No 10	)09 EE	X	X	X	X	X	X	X	X
13	Anti- theft and immol	Direct 74/61/ EEC piliser		X	X	X	X				
13A	of motor vehicl agains	tRongula (EC) No e661/20 tUNEC obtesada No 18	009 EE	X ( <sup>4A</sup> )		X ( <sup>4A</sup> )	X ( <sup>4A</sup> )				

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

13B	of motor vehicl agains unauth use	e661/20 tUNEC torigada No 116	009 EE ation		X				
14	1	tDirect g4/297 EEC			X				
14A	of the driver	nli3m	)09 EE		X				
15	Seat streng	Direct th4/408 EEC		D	D	D	D		
15A	Seats, their anchor and any head restrai	661/20 UNEC Regula	009 EE	D ( <sup>4B</sup> )	D	D	D		
15B	Seats of large passer vehicl	Regula (EC) No Motification (EUNEC Regula No 80	)09 EE	D					
17	Speed and revers gear	o <b>Dictect</b> 75/443 eEEC	i <b>X</b> e 3∕	X	X	X	X		

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

17A	manoeu	(EC) No	M9 ation	X	X	X	X				
17B	installat	(Hant) Ngo 561/20	009 EE	X	X	X	X				
18	Statutol plates	Dyirecti 76/114 EEC	i <b>X</b> e ./	X	X	X	X	X	X	X	X
18A	and (vehicle) identifi(	ŒĈ) No 561/20 Regula Œtiĝn	009 ation	X	X	X	X	X	X	X	X
19		Directi 76/115 <b>ge</b> €		D	D	D	D				
19A	anchora Isofix ( anchora systems	(EC) Ngos, 661/20 IgNEC Regula No 14	009 EE	D	D	D	D				
20	Installal of lighting and light	76/756		A+N							

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	signalling devices								
20A	InstallaRiogulationN of (EC) lightingNo and 661/2009 light- UNECE signalliRiggulation devicesNo on 48 vehicles	A+N							
21	Retro Directive reflectors/757/	X	X	X	X	X	X	X	X
21A	Retro-Regulation reflectified devices No for 661/2009 power-UNECE driven Regulation vehicle No 3 and their trailers	X	X	X	X	X	X	X	X
22	End- outline,76/758/ front- position (side), rear- position (side), stop, side marker, daytime running lamps	X	X	X	X	X	X	X	X
22A	Front and (EC) rear No position 661/2009 lamps, UNECE stop-lamps and end-ouline	X	X	X	X	X	X	X	X

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	marker lamps for motor vehicles and their trailers								
22B	DaytimRegularion runningEC) lamps No 661/2009 power-UNECE driven Regulation vehicleNo 87	X	X	X	X				
22C	Side- Regulation marker(EC) lamps No for 661/2009 motor UNECE vehicle Regulation and No their 91 trailers	X	X	X	X	X	X	X	X
23	Directi Directi Ve indicat 76/759/ EEC	X	X	X	X	X	X	X	X
23A	Direction Direct	X	X	X	X	X	X	X	X
24	Rear Directive registration EEC lamps	X	X	X	X	X	X	X	X
24A	IlluminRtegularXon of (EC) rear- No registrar6601/2009 plates of Regulation power-No 4	X	X	X	X	X	X	X	X

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	driven vehicles and their trailers								
25	HeadlaMinsctiVe (including761/ bulbs) EEC	X	X	X	X				
25A	Power-Regulation driven (EC) vehicle No sealed-661/2009 beam UNECE headlar Regulation (SB) No emitting 1 an European asymmetrical passing beam or a driving beam or both	X	X	X	X				
25B	Filame Regulation lamps (EC) for No use 661/2009 in UNECE approve begulation lamp No units 37 of power-driven vehicles and their trailers	X	X	X	X	X	X	X	X
25C	Motor Regulation vehicle(EC) headlarities equipped 1/2009 with UNECE gas-Regulation	X	X	X	X				

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	light   sources					
25D	Gas-Regulation dischargeC) light No sources 661/2009 for UNECE use Regulation in No approved gas-discharge lamp units of power-driven vehicles	X	X	X		
25E	Motor Regulation vehicle(EC) headlarips emitting 61/2009 an UNECE asymmetrical attion passing No beam 112 or a driving beam or both and equipped with filament lamps and/or LED modules	X	X	X		
25F	Adapti Regulation front- (EC) lighting No system \$61/2009 (AFS) UNECE for Regulation motor No vehicle \$23	X	X	X		

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

26	Front fog lamps	Direct 76/762 EEC		X	X	X	X				
26A	driven vehicl front fog		009 EE	X	X	X	X				
27		gDirect 77/389 EEC		A	A	A	A				
27A	Towin device	gRegula (EC) No 661/20 Regula (EU) No 1005/2	009 ation	A	A	A	A				
28	Rear fog lamps	Direct 77/538 EEC		X	X	X	X	X	X	X	X
28A		661/20 -UNEC Regul eNo 38	009 EE	X	X	X	X	X	X	X	X
29	Revers	sidigrect 77/539 EEC	i¥e 9/	X	X	X	X	X	X	X	X
29A	lights for power driven	singularia (EC) No -661/20 UNEO eRegularia No 23	009 EE	X	X	X	X	X	X	X	X

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	ا منعطه		I	I	I	I			I	
	their trailers	S								
30		Direct 77/540 EEC		X	X	X	X			
30A	lamps for power- driven	Regula (EC) No -661/20 UNEC Regula No 77	009 EE	X	X	X	X			
31	Seat belts and restrain system			D	D	D	D			
31A	belts, restrain system child restrain system	nNo ns61/20 UNEC nRegula nNo 16	)09 EE	D	D	D	D			
33	Identification of control tell-tales and indication in the control of the control			X	X	X	X			
33A	and identif of hand	or the gular (EC) idention 661/20 UNEC UNEC IR egular No 121 tors	)09 EE	X	X	X	X			

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

34	DefrostDirective demist 78/317/	(5)	(5)	(5)	(5)				
34A	Windscregulation defrost(figC) and No demistice 1/2009 system Regulation (EU) No 672/2010		(5)	(5)	(5)				
35	Wash/ Directives wipe 78/318/ EEC	(6)	( <sup>6</sup> )	(6)	( <sup>6</sup> )				
35A	WindscRegulation wiper (EC) and No washer661/2009 system Regulation (EU) No 1008/2010	1	(6)	(6)	( <sup>6</sup> )				
36	Heatin Directive system 2001/56/	X	X	X	X	X	X	X	X
36A	Heatin Regulation system (EC) No 661/2009 UNECE Regulation No 122		X	X	X	X	X	X	X
38A	Head Regulation restrain(tEC) (headrests), whethe 661/2009 or UNECE not Regulation incorpolated in 25 vehicle seats								
41	Emissi Disective (Euro 2005/55/ IV EC and	<sup>8</sup> ) H	H (8)	H (8)	Н				

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	len l			ı	ı		, ,	ı	, ,	
	V) heavy duty vehicles.									
41A	Emissionesgula (Euro (EC) VI) No heavy 595/20 duty vehicles/ access to information		Н	H ( <sup>9</sup> )	H ( <sup>9</sup> )	Н				
42	LateralDirecti protectR9/297 EEC				X	X			X	X
42A	Lateral Regula protect(GrC) of No goods 661/20 vehiclesJNEC Regula No 73	009 E			X	X			X	X
43	Spray-Directi suppress16226 system EEC			X	X	X	X	X	X	X
43A	Spray Regula suppression system No 661/20 Regula (EU) No 109/20	009 ution		X	X	X	X	X	X	X
45	Safety Directi glazing92/22/ EEC	₩e	J	J	J	J	J	J	J	J
45A	Safety Regula glazing(EC) materialso and 661/20 their UNEC installaRegula on No vehicles 3	009 E	J	J	J	J	J	J	J	J

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

46	Tyres	Directi 92/23/ EEC	<b>X</b> e	X	X	X	X	X	X	X	X
46A	Install of tyres	aRiogula (EC) No 661/20 Regula (EU) No 458/20	009 ation	X	X	X	X	X	X	X	X
46B	tyres for motor		09 E		X			X	X		
46C	tyres for comm		009 E	X	X	X	X			X	X
46D	Tyre rolling sound emissi adhesi on wet surface and rolling resista (Class C1, C2	No offs]/20 driNEC Regula No es 17	009 E	X	X	X	X	X	X	X	X

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	and C3)										
46E	Tempo use spare unit, run- flat tyres/ systen and tyre pressu monito systen	n64 re oring	)09 EE		X (9A)						
47	Speed limitat device	Direct i@2/24/ sEEC	i¥e	X		X	X				
47A	limitat of	Regula i(ÆC) No e661/20 UNEO Regula No 89	)09 EE	X		X	X				
48	Masse and dimen (other than vehicl referre to in item 44)	es		X	X	X	X	X	X	X	X
48A	Masse and dimen	sRegula (EC) sNons 661/20 Regula (EU) No 1230/2	009 ation	X	X	X	X	X	X	X	X
49		aDirect tD2/d 14 EEC			X	X	X				

Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	of cabs										
49A		EC) [o 61/20 [NEC] egula [o	09 E		X	X	X				
50	Coupling 92 E	4/20/	<b>X</b> <sup>(10)</sup>	X (10)	X (10)	X (10)	X (10)	X	X	X	X
50A	combina	EC) conts 61/20 conts egula o	09 E	X (10)	X (10)	X (10)	X (10)	X	X	X	X
50B	approv <b>&amp;</b>	EC) [o 61/20 [NEC] egula	09 E			X (10)	X (10)			X (10)	X ( <sup>10</sup> )
51	Flammal 9:	5/28/	ve	X							
51A		nC) [o \$1/20 [NEC] egula [o	09 E	X							

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	construction of certain categories of motor vehicles								
52	Buses Directi Xe and 2001/85/ coache EC	X							
52A	M <sub>2</sub> Regulation (EC) M <sub>3</sub> No vehicle 661/2009 UNECE Regulation No 107	X							
52B	StrengtRegulation of (EC) the No superstance (MC) 4009 of UNECE large Regulation passengero vehicles66	X							
54	Side Directive impact 96/27/ EC		A						
54A	ProtectRegulation of (EC) occupants in 661/2009 the UNECE event Regulation of No lateral 95 collision		A						
56	Vehicle Pirective intende 98/91/for EC the transport of dangerous goods		X ( <sup>13</sup> )	X ( <sup>13</sup> )	X (13)	X ( <sup>13</sup> )			

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

56A	for the carriag of	eRegula (EC) No 3661/20 UNEO OREGULA No 105	009 EE		X ( <sup>13</sup> )						
57		Direct				X	X				
57A	underi protec device	tiNe s661/20 DE)NEC Regula No a9i3n; run tion	009 EE			X	X				
58	Pedest	rRægula t(GiC) No 78/200			N/Aª						
59	Recyc	l <b>abiilėty</b> t 2005/6 EC			N/A						
61	Air- condit systen	Direct i <b>ann</b> g/ nEC			X (14)						
62	Hydro	g <b>en</b> gula 1(EC) No 79/200		X	X	X	X				
63	Gener Safety	aRegula (EC) No 661/20		X (15)	X (15)	X (15)	X (15)	X (15)	X (15)	X (15)	X (15)
65	emerg brakin	o <b>ted</b> gula e(fic©) gNo 1661/20		N/A		N/A	N/A				

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

	Regulation (EU) No 347/2012						
66	Lane Regulation departureC) warningNo system 661/2009 Regulation (EU) No 351/2012	N/A		N/A	N/A		
67	Specifikegulation components on No liqueficato 1/2009 petrole uriNECE gases Regulation (LPG) No and 67 their installation on motor vehicles	X	X	X	X		
68	VehicleRegulation alarm (EC) systemNo (VAS) 661/2009 UNECE Regulation No 97		X				
69	Electric Regulation safety (EC) No 661/2009 UNECE Regulation No 100	X	X	X	X		
70	Specifikegulation componetis; for No CNG 661/2009 and UNECE their Regulation installation	X	X	X	X		

a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

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on	No					
motor						
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a Any frontal protection system supplied with the vehicle shall comply with the requirements of Regulation (EC) No 78/2009 and shall be provided with a type-approval number and shall be marked accordingly.

## Appendix 5

### **Mobile Cranes**

Item	Subject	Reference to regulatory act	N <sub>3</sub>
1	Permissible sound level	Directive 70/157/ EEC	$T+Z_1$
3	Fuel tanks/rear protective devices	Directive 70/221/ EEC	X ( <sup>2</sup> )
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UNECE Regulation No 34	X
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UNECE Regulation No 58	A
4	Rear registration plate space	Directive 70/222/ EEC	X
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X
5	Steering effort	Directive 70/311/ EEC	X Crab steering allowed
5A	Steering equipment	Regulation (EC) No 661/2009 UNECE Regulation No 79	X Crab steering allowed
6	Door latches and hinges	Directive 70/387/ EEC	A
6A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	A

7	Audible warning	Directive 70/388/ EEC	X
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UNECE Regulation No 28	X
8	Indirect vision devices	Directive 2003/97/ EC	A
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UNECE Regulation No 46	X
9	Braking	Directive 71/320/ EEC	U
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UNECE Regulation No 13	U ( <sup>3</sup> )
10	Radio interference (electromagnetic compatibility)	Directive 72/245/ EEC	X
10A	Electromagnetic compatibility	Regulation (EC) No 661/2009 UNECE Regulation No 10	X
13	Anti-theft and immobiliser	Directive 74/61/ EEC	X
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UNECE Regulation No 18	X ( <sup>4A</sup> )
15	Seat strength	Directive 74/408/ EEC	D
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UNECE Regulation No 17	X
17	Speedometer and reverse gear	Directive 75/443/ EEC	X
17A	Vehicle access and manoeuvrability	Regulation (EC) No 661/2009 Regulation (EU) No 130/2012	X
17B	Speedometer equipment	Regulation (EC) No 661/2009	X

	including its installation	UNECE Regulation No 39	
18	Statutory plates	Directive 76/114/ EEC	X
18A	Manufacturer's statutory plate and vehicle identification number	Regulation (EC) No 661/2009 Regulation (EU) No 19/2011	X
19	Seat belt anchorages	Directive 76/115/ EEC	D
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UNECE Regulation No 14	X
20	Installation of lighting and light signalling devices	Directive 76/756/ EEC	A+Y
20A	Installation of lighting and lightsignalling devices on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 48	A+Y
21	Retro reflectors	Directive 76/757/ EEC	X
21A	Retro-reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 3	X
22	End-outline, front- position (side), rear-position (side), stop, side marker, daytime running lamps	Directive 76/758/ EEC	X
22A	Front and rear position lamps, stop-lamps and end-ouline marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 7	X
22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87	X

22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91	X
23	Direction indicators	Directive 76/759/ EEC	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6	X
24	Rear registration plate lamps	Directive 76/760/ EEC	X
24A	Illumination of rear-registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4	X
25	Headlamps (including bulbs)	Directive 76/761/ EEC	X
25A	Power-driven vehicle's sealed- beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31	X
25B	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 37	X
25C	Motor vehicle headlamps equipped with gas- discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98	X
25D	Gas-discharge light sources for use in approved gas- discharge lamp units of power- driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99	X

25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112	X
25F	Adaptive front- lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123	X
26	Front fog lamps	Directive 76/762/ EEC	X
26A	Power-driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19	X
27	Towing hooks	Directive 77/389/ EEC	A
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	A
28	Rear fog lamps	Directive 77/538/ EEC	X
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 38	X
29	Reversing lamps	Directive 77/539/ EEC	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23	X
30	Parking lamps	Directive 77/540/ EEC	X
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77	X
31	Seat belts and restraint systems	Directive 77/541/ EEC	D

31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16	X
33	Identification of controls, tell-tales and indicators	Directive 78/316/ EEC	X
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UNECE Regulation No 121	X
34	Defrost/demist	Directive 78/317/ EEC	(5)
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(5)
35	Wash/wipe	Directive 78/318/ EEC	( <sup>6</sup> )
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	(6)
36	Heating systems	Directive 2001/56/ EC	X
36A	Heating systems	Regulation (EC) No 661/2009 UNECE Regulation No 122	X
41	Emissions (Euro IV and V) heavy duty vehicles.	Directive 2005/55/ EC	V
41A	Emissions (Euro VI) heavy duty vehicles/access to information	Regulation (EC) No 595/2009	V
42	Lateral protection	Directive 89/297/ EEC	X
42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 73	A

43	Spray-suppression systems	Directive 91/226/ EEC	X
43A	Spray suppression systems	Regulation (EC) No 661/2009 Regulation (EU) No 109/2011	$Z_1$
45	Safety glazing	Directive 92/22/ EEC	J
45A	Safety glazing materials and their installation on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 43	J
46	Tyres	Directive 92/23/ EEC	X
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 C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 54	X
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 117	X
47	Speed limitation devices	Directive 92/24/ EEC	X
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 89	X
48	Masses and dimensions (other than vehicles referred to in item 44)	Directive 97/27/EC	X
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	A
49	External projections of cabs	Directive 92/114/ EEC	X

49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UNECE Regulation No 61	A
50	Couplings	Directive 94/20/EC	X (10)
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 55	X ( <sup>10</sup> )
50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UNECE Regulation No 102	X ( <sup>10</sup> )
57	Front underrun protection	Directive 2000/40/ EC	$Z_1$
57A	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UNECE Regulation No 93	X
62	Hydrogen system	Regulation (EC) No 79/2009	X
63	General Safety	Regulation (EC) No 661/2009	X (15)
65	Advanced emergency braking system	Regulation (EC) No 661/2009 Regulation (EU) No 347/2012	N/A ( <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 UNECE Regulation No 67	X
69	Electric safety	Regulation (EC) No 661/2009	X

		UNECE Regulation No 100	
70	Specific components for CNG and their installation on motor vehicules	Regulation (EC) No 661/2009 UNECE Regulation No 110	X

# AppendixExceptional load transport vehicles 6

Item	Subject	Reference to regulatory act	N <sub>3</sub>	O <sub>4</sub>
1	Permissible sound level	Directive 70/157/EEC	Т	
3	Fuel tanks/rear protective devices	Directive 70/221/EEC	X ( <sup>2</sup> )	X
3A	Prevention of fire risks (liquid fuel tanks)	Regulation (EC) No 661/2009 UNECE Regulation No 34	X	X
3B	Rear underrun protective devices (RUPDs) and their installation; rear underrun protection (RUP)	Regulation (EC) No 661/2009 UNECE Regulation No 58	A	A
4	Rear registration plate space	Directive 70/222/EEC	X	A+R
4A	Space for mounting and fixing rear registration plates	Regulation (EC) No 661/2009 Regulation (EU) No 1003/2010	X	A+R
5	Steering effort	Directive 70/311/EEC	X Crab steering allowed	X

5A	Steering equipment	Regulation (EC) No 661/2009 UNECE Regulation No 79	X Crab steering allowed	X
6	Door latches and hinges	Directive 70/387/EEC	X	
6A	Vehicle access and manoeuvrabili	Regulation (EC) No ts/61/2009 Regulation (EU) No 130/2012	X	
7	Audible warning	Directive 70/388/EEC	X	
7A	Audible warning devices and signals	Regulation (EC) No 661/2009 UNECE Regulation No 28	X	
8	Indirect vision devices	Directive 2003/97/EC	X	
8A	Devices for indirect vision and their installation	Regulation (EC) No 661/2009 UNECE Regulation No 46	X	
9	Braking	Directive 71/320/EEC	U	X
9A	Braking of vehicles and trailers	Regulation (EC) No 661/2009 UNECE Regulation No 13	U ( <sup>3</sup> )	X ( <sup>3</sup> )
10	Radio interference (electromagne compatibility)	Directive 72/245/EEC tic	X	X
10A	Electromagnet compatibility		X	X

		UNECE Regulation No 10		
13	Anti- theft and immobiliser	Directive 74/61/EEC	X	
13A	Protection of motor vehicles against unauthorised use	Regulation (EC) No 661/2009 UNECE Regulation No 18	X ( <sup>4A</sup> )	
15	Seat strength	Directive 74/408/EEC	X	
15A	Seats, their anchorages and any head restraints	Regulation (EC) No 661/2009 UNECE Regulation No 17	X	
17	Speedometer and reverse gear	Directive 75/443/EEC	X	
17A	Vehicle access and manoeuvrabili	Regulation (EC) No ts61/2009 Regulation (EU) No 130/2012	X	
17B	Speedometer equipment including its installation	Regulation (EC) No 661/2009 UNECE Regulation No 39	X	
18	Statutory plates	Directive 76/114/EEC	X	X
18A	Manufacturer's statutory plate and vehicle identification number	sRegulation (EC) No 661/2009 Regulation (EU) No 19/2011	X	X
19	Seat belt anchorages	Directive 76/115/EEC	X	

10.4	0.01.1	<b>5</b> 1 2	77	
19A	Safety-belt anchorages, Isofix anchorages systems and Isofix top tether anchorages	Regulation (EC) No 661/2009 UNECE Regulation No 14	X	
20	Installation of lighting and light signalling devices	Directive 76/756/EEC	X	A+N
20A	Installation of lighting and light-signalling devices on vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 48	X	A+N
21	Retro reflectors	Directive 76/757/EEC	X	X
21A	Retro- reflecting devices for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 3	X	X
22	End-outline, front-position (side), rear-position (side), stop, side marker, daytime running lamps	Directive 76/758/EEC	X	X
22A	Front and rear position lamps, stop-lamps and end-ouline marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 7	X	X

22B	Daytime running lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 87	X	
22C	Side-marker lamps for motor vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 91	X	X
23	Direction indicators	Directive 76/759/EEC	X	X
23A	Direction indicators for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 6	X	X
24	Rear registration plate lamps	Directive 76/760/EEC	X	X
24A	Illumination of rear- registration plates of power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 4	X	X
25	Headlamps (including bulbs)	Directive 76/761/EEC	X	
25A	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Regulation (EC) No 661/2009 UNECE Regulation No 31	X	
25B	Filament lamps for use in approved	Regulation (EC) No 661/2009	X	X

	lamp units of power-driven vehicles and their trailers	UNECE Regulation No 37		
25C	Motor vehicle headlamps equipped with gas- discharge light sources	Regulation (EC) No 661/2009 UNECE Regulation No 98	X	
25D	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 99	X	
25E	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/ or LED modules	Regulation (EC) No 661/2009 UNECE Regulation No 112	X	
25F	Adaptive front-lighting systems (AFS) for motor vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 123	X	
26	Front fog lamps	Directive 76/762/EEC	X	
26A	Power- driven vehicle front fog lamps	Regulation (EC) No 661/2009 UNECE Regulation No 19	X	

27	Towing	Directive	A	
	Towing hooks	77/389/EEC	A	
27A	Towing device	Regulation (EC) No 661/2009 Regulation (EU) No 1005/2010	A	
28	Rear fog lamps	Directive 77/538/EEC	X	X
28A	Rear fog lamps for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 38	X	X
29	Reversing lamps	Directive 77/539/EEC	X	X
29A	Reversing lights for power-driven vehicles and their trailers	Regulation (EC) No 661/2009 UNECE Regulation No 23	X	X
30	Parking lamps	Directive 77/540/EEC	X	
30A	Parking lamps for power-driven vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 77	X	
31	Seat belts and restraint systems	Directive 77/541/EEC	X	
31A	Safety-belts, restraint systems, child restraint systems and Isofix child restraint systems	Regulation (EC) No 661/2009 UNECE Regulation No 16	X	
33	Identification of controls,	Directive 78/316/EEC	X	

	tell-tales and indicators			
33A	Location and identification of hand controls, tell-tales and indicators	Regulation (EC) No 661/2009 UNECE Regulation No 121	Х	
34	Defrost/ demist	Directive 78/317/EEC	(5)	
34A	Windscreen defrosting and demisting systems	Regulation (EC) No 661/2009 Regulation (EU) No 672/2010	(5)	
35	Wash/wipe	Directive 78/318/EEC	( <sup>6</sup> )	
35A	Windscreen wiper and washer systems	Regulation (EC) No 661/2009 Regulation (EU) No 1008/2010	( <sup>6</sup> )	
36	Heating systems	Directive 2001/56/EC	X	
36A	Heating systems	Regulation (EC) No 661/2009 UNECE Regulation No 122	X	
41	Emissions (Euro IV and V) heavy duty vehicles.	Directive 2005/55/EC	X (8)	
41A	Emissions (Euro VI) heavy duty vehicles/ access to information	Regulation (EC) No 595/2009	X (9)	
42	Lateral protection	Directive 89/297/EEC	X	A

42A	Lateral protection of goods vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 73	X	A
43	Spray- suppression systems	Directive 91/226/EEC	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 UNECE Regulation No 43	X	
46	Tyres	Directive 92/23/EEC	X	I
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 C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 54	X	Ĭ
46D	Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	Regulation (EC) No 661/2009 UNECE Regulation No 117	X	Ī

47	Speed limitation devices	Directive 92/24/EEC	X	
47A	Speed limitation of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 89	X	
48	Masses and dimensions (other than vehicles referred to in item 44)	Directive 97/27/EC	X	X
48A	Masses and dimensions	Regulation (EC) No 661/2009 Regulation (EU) No 1230/2012	A	A
49	External projections of cabs	Directive 92/114/EEC	A	
49A	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Regulation (EC) No 661/2009 UNECE Regulation No 61	A	
50	Couplings	Directive 94/20/EC	X (10)	X
50A	Mechanical coupling components of combinations of vehicles	Regulation (EC) No 661/2009 UNECE Regulation No 55	X(10)	X
50B	Close-coupling device (CCD); fitting of an approved type of CCD	Regulation (EC) No 661/2009 UNECE Regulation No 102	X(10)	X( <sup>10</sup> )

56	Vehicles intended for the transport of dangerous goods	Directive 98/91/EC	X ( <sup>13</sup> )	X( <sup>13</sup> )
56A	Vehicles for the carriage of dangerous goods	Regulation (EC) No 661/2009 UNECE Regulation No 105	X( <sup>13</sup> )	X( <sup>13</sup> )
57	Front underrun protection	Directive 2000/40/EC	A	
57A	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Regulation (EC) No 661/2009 UNECE Regulation No 93	A	
62	Hydrogen system	Regulation (EC) No 79/2009	X	
63	General Safety	Regulation (EC) No 661/2009	X (15)	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)	Regulation (EC) No 661/2009	X	

	and their installation on motor vehicles	UNECE Regulation No 67		
69	Electric safety	Regulation (EC) No 661/2009 UNECE Regulation No 100	X	
70	Specific components for CNG and their installation on motor vehicules	Regulation (EC) No 661/2009 UNECE Regulation No 110	X	

#### Meaning of notes:

- X The requirements of the relevant act are applicable. The series of amendments of the UNECE Regulations which applies on a compulsory basis are listed in Annex IV to Regulation (EC) No 661/2009. Series of amendments adopted subsequently are accepted as an alternative. Member States may grant extensions to existing type-approvals granted according to the former EU Directives repealed by Regulation (EC) 661/2009 under the conditions fixed by Article 13(14) of Regulation (EC) 661/2009.
- N/A This regulatory act is not applicable to this vehicle (no requirements).
- (1) For vehicles with a reference mass not exceeding 2 610 kg. At the manufacturer's request, 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 provide access to 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 UNECE Regulation No 67 or UNECE Regulation No 110 is required.
- (3) The fitting of an ESC system is required in accordance with Article 12 of Regulation (EC) No 661/2009. The implementation dates set out in Annex V to Regulation (EC) No 661/2009 apply. In accordance with UNECE Regulation 13, the fitting of an electronic stability control ('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 according to UNECE Regulation 13 or UNECE Regulation 13-H.
- (4) The fitting of an ESC system is required in accordance with Article 12 of Regulation (EC) No 661/2009. Therefore, the requirements set out in Part A of Annex 9 to UNECE Regulation No 13-H shall be complied with for the purposes of EC type-approval of new types of vehicles as well as for the

registration, sale and entry into service of new vehicles. The implementation dates set out in Article 13 of Regulation (EC) No 661/2009 apply. N<sub>1</sub> vehicles may be approved according to UNECE Regulation 13 or UNECE Regulation 13-H.

- (4A) If fitted, the protective device shall fulfill the requirements of UNECE Regulation No 18.
- (4B) This Regulation applies to seats not falling within the scope of UNECE Regulation No 80.

For other options, see Article 2 of Regulation (EC) No 595/2009.

- (5) Vehicles of categories other than M<sub>1</sub> do not need to fully comply with act but shall be fitted with a suitable windscreen defrosting and demisting device.
- Vehicles of categories other than  $M_1$  do not need to fully comply with act but shall be fitted with a suitable windscreen washing and wiping devices.
- (8) For vehicles with a reference mass exceeding 2 610 kg and which did not benefit from the possibility offered in note (1).
- (9) For vehicles with a reference mass exceeding 2 610 kg which are not type-approved (at the manufacturer's request and provided their reference mass does not exceed 2 840 kg) under Regulation (EC) No 715/2007. For other parts than the base vehicle, it is sufficient that the manufacturer provide access to repair and maintenance information in a readily accessible and prompt manner
- (9A) Applies only where such vehicles are fitted with equipment covered by UNECE Regulation No 64. Tyre pressure monitoring system for M1 vehicles applies on a compulsory basis in accordance with Article 9(2) of Regulation (EC) No 661/2009.
- $(^{10})$  Applies only to vehicles equipped with coupling(s).
- (11) Applies to vehicles with a technically permissible maximum laden mass not exceeding 2,5 tonnes.
- Only applicable to vehicles where the "Seating Reference Point ('R' point)" of the lowest seat is not more than 700 mm above the ground level.
- (13) Applies only when the manufacturer applies for type-approval of vehicles intended for the transport of dangerous goods.
- (14) Applies only for vehicles of category  $N_1$ , class I (reference mass  $\leq 1~305~kg$ )
- (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 requirements shall be fulfilled to the greatest extent. The type-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 shall be described on the vehicle type-approval certificate and the certificate of conformity (remark –entry 52).
- A<sub>1</sub> The fitting of ESC is not mandatory. In the case of multi-stage 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 shall be well-controlled and shall act to improve stability of the vehicle. The Technical Service shall have the right to request further testing if deemed necessary.
- B Application limited to doors giving access to the seats designated for normal use when the vehicle is travelling on the 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 when the vehicle is travelling on the road and also limited to the head impact zone as defined in the legal act.
- D Application limited to seats designated for normal use when the vehicle is travelling on the road. Seats which are not designated for use when the vehicle is travelling on the road shall be clearly identified to users either by means of a pictogram or a sign with an appropriate text. The luggage retention requirements of UNECE Regulations No. 17 shall not apply.
- E Front only.
- F Modification to the routing and length of the refuelling duct and repositioning of the tank inboard is permissible.
- G In case of multi-stage 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.
- Tyres shall be type-approved according to the requirements of UNECE 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 permitted.
- L Application limited to seats designated for normal use when the vehicle is travelling on the road. At least anchorages for lap belts are required in the rear seating positions. Seats which are not designated for use when the vehicle is travelling on the road shall 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 when the vehicle is travelling on the road. At least lap belts are required in all rear seating positions. Seats which are not designated for use when the vehicle is travelling on the road shall 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 EC type-approval issued 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 %, also the "A" pillar obstruction angle is not more than 10°.
- Test to be performed only with the complete/completed vehicle. The vehicle can be tested according to Directive 70/157/EEC. Concerning item 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 shall comply with all the requirements laid down by regulatory act. Derogations are admitted for vehicles having more than 4 axles, provided that:
- they are justified by the particular construction
- all the braking performances, related to parking, service and secondary braking laid down by the regulatory act are fulfilled.
- U<sub>1</sub> ABS is not mandatory for vehicles with hydrostatic drive.
- V As alternative, Directive 97/68/EC may also be applied.
- V<sub>1</sub> For vehicles with hydrostatic drive, Directive 97/68/EC may also be aplied as alternative.

- W<sub>0</sub> Modification of exhaust system length is permitted without any further test, provided the back pressure is similar. If a new test is required, an extra 2dB(A) above the applicable limit shall be allowed.
- W<sub>1</sub> Requirements shall be complied with, but modification in the exhaust system is permitted without any further test of tailpipe emissions and CO<sub>2</sub>/fuel consumption provided the emission control devices including particulate filters (if any) are not affected. No new evaporative test shall be required on the modified vehicle on condition that the evaporative control devices are kept as fitted by the manufacturer of the base vehicle.

An EC type approval issued to the most representative base vehicle remains valid irrespective of change in the reference mass.

- W<sub>2</sub> 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 according to Annex 5 to UNECE Regulation No. 34 shall not be required.
- W<sub>3</sub> The longitudinal plane of the intended wheelchair-travelling position shall be parallel to the longitudinal plane of the vehicle.

Appropriate information shall be made available to the vehicle owner that, in order to be capable of withstanding 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.

Appropriate adaptations may be made to the seats of the vehicle without further testing provided if 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 of UNECE Regulation No. 17 shall not apply.

- W<sub>4</sub> Compliance with the legal act(s) shall be required for the boarding aids when in the resting position.
- W<sub>5</sub> Each wheelchair location shall be provided with anchorages to which a wheelchair tie-down and occupant restraint system (WTORS) shall be fitted, and which comply with the additional provisions of Appendix 3.
- W<sub>6</sub> Each wheelchair location shall be provided with occupant restraint belt that comply with the additional provisions of Appendix 3

When, due to the conversion, anchorage points for the safety belts need to be moved outside the tolerance provided for in point 7.7.1 of UNECE Regulation No.16-06, the technical service shall check whether the alteration constitutes a worst case or not. If that is the case, the test provided for in point 7.7.1. of UNECE Regulation No.16-06 shall be performed. Extension to the EC type-approval does not need to be issued. The test may be performed using components that have not undergone the conditioning test prescribed by UNECE Regulation No.16-06.

W<sub>8</sub> For the purposes of calculations, the mass of the wheel-chair including the user shall be assumed to be 160 kg. The mass shall 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) shall be recorded in the owner's handbook, on side 2 of the EU type-approval certificate and in the the certificate of conformity (remark section).

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

#### ANNEX XII

#### **SMALL SERIES AND END-OF-SERIES LIMITS**

#### A. SMALL SERIES LIMITS

1. The number of units of one type of vehicle to be registered, sold or put into service per year in the European Union pursuant to Article 22 may not exceed the figures shown below for the vehicle category in question:

Category	Units
$M_1$	1 000
M <sub>2</sub> , M <sub>3</sub>	0
$\overline{N_1}$	1 000
N <sub>2</sub> , N <sub>3</sub>	0
$O_1, O_2$	0
O <sub>3</sub> , O <sub>4</sub>	0

2. The number of units of one type of vehicle to be registered, sold or put into service per year in one Member State pursuant to Article 23 shall be determined by that Member State but shall not exceed the figures shown below for the vehicle category in question:

Category	Units
$M_1$	100
M <sub>2</sub> , M <sub>3</sub>	250
N <sub>1</sub>	500 until 31October 2016 250 from 1 November 2016
N <sub>2</sub> , N <sub>3</sub>	250
$O_1, O_2$	500

$O_3, O_4$	250

3. The number of units of one type of vehicle to be registered, sold or put into service per year in one Member State for the purposes of Article 6(2) of Commission Regulation (EU) No 1230/2012 shall be determined by each Member State but shall not exceed the figures shown below for the vehicle category in question:

Category	Units
$M_2, M_3$	1 000
$\overline{N_2, N_3}$	1 200
O <sub>3</sub> , O <sub>4</sub>	2 000

#### B. END-OF-SERIES LIMITS

The maximum number of complete and completed vehicles put into service in each Member State under the procedure "End-of-Series" shall be restricted in one of the following ways to be chosen by the Member State:

- 1. The maximum number of vehicles of one or more types may not exceed 10%, in the case of category  $M_1$ , and may not exceed 30% of the vehicles of all types concerned put into service in that Member State during the previous year, in the case of all other categories.
  - Should 10 %, respectively 30 %, be less than 100 vehicles, then the Member State may allow the putting into service of a maximum of 100 vehicles.
- 2. Vehicles of any one type shall be restricted to those for which a valid certificate of conformity was issued on or after the date of manufacture and which remained valid for at least three months after its date of issue but subsequently lost its validity due to the entry into force of a regulatory act.

- (1) OJ L 263, 9.10.2007, p. 1.
- (2) Regulation (EC) No 661/2009 of the European Parliament and of the Council of 13 July 2009 concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 200, 31.7.2009, p. 1).
- (3) Commision Regulation (EU) 1229/2012 of 10 December 2012 amending Annexes IV and XII to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Framework Directive) (OJ L 353, 21.12.2012, p. 1).
- (4) Commission Regulation (EU) 1230/2012 of 12 December 2012 implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council with regard to type-approval requirements for masses and dimensions of motor vehicles and their trailers and amending Directive 2007/46/ EC of the European Parliament and of the Council (OJ L 353, 21.12.2012, p. 31).