

UNECE WP.29 INFORMAL GROUP
ON THE FUTURE DIRECTION FOR HARMONISATION OF VEHICLE REGULATIONS
UNDER THE 1958 AGREEMENT

LIST OF EU WVTA REQUIREMENTS

Notes:

- This list provides the **requirements which currently need to be complied with for the purpose of the EU whole-vehicle type approval.**
- The legal reference for this list is Annex IV of Directive 2007/46/EC, as amended by Commission Regulation (EC) No 1060/2008 of 7 October 2008 replacing Annexes I, III, IV, VI, VII, XI and XV 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.

Regulation (EC) No 1060/2008 has entered into force on and is **applicable from 29 April 2009.**

The full text of Regulation (EC) No 1060/2008 has been published in the Official Journal of the European Union No L292/1 of 31.10.2008 and is available in all the official languages of the European Union on the following website: http://eur-lex.europa.eu/Result.do?checkdates=checkbox&checktexts=checkbox&TypeAffichage=sort_key&page=1&idReq=3&Submit22=GO

- For the sake of simplicity the list below only reproduces Part I of Annex IV of Directive 2007/46/EC as amended, which provides the **requirements for EC type approval of vehicles produced in unlimited series.** It should be noted the appendix to part I of Annex IV, providing a list of requirements for type-approval of vehicles belonging to the category M₁, produced in small series, is not reproduced.
- Annex IV to Directive 2007/46/EC as amended by Commission Regulation (EC) No 1060/2008, also contains a part II, containing a **list of UNECE regulations recognised as an alternative to directives or regulations mentioned in Part I.** This list is reproduced at the end of this document.
- Annex IV to Directive 2007/46/EC and in particular its part II may be subject to further amendments in the future to take account of amendments to UNECE Regulations adopted.
- Attention is drawn to the fact that **the currently applicable system in which Annex IV of Directive 2007/46/EC as amended is referring to individual Directives, will be replaced by the system put in place by Regulation (EC) No 661/2009** of the European Parliament and 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 therefore, and **which shall apply from 1 November 2011.**

- In addition Regulation (EC) No 661/2009 provides for the gradual introduction of additional requirements for type-approval of vehicles related to electronic stability control, lane departure warning systems, advanced emergency braking systems, tyre pressure monitoring systems, gear shift indicators and specific provisions relating to vehicle tyres.(wet grip, rolling resistance and rolling noise)

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ANNEX IV

LIST OF REQUIREMENTS FOR THE PURPOSE OF EC TYPE-APPROVAL OF VEHICLES

PART I

List of requirements for EC type-approval of vehicles produced in unlimited series

Item	Subject	Regulatory act reference	Official Journal reference	Applicability										
				M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄	
1	Permissible sound level	Directive 70/157/EEC	L 42, 23.2.1970, p. 16	X	X	X	X	X	X					
2	Emissions	Directive 70/220/EEC	L 76, 6.4.1970, p. 1	X	X	X	X	X	X					
2a	Emissions (Euro 5 and 6) light duty vehicles/access to information	Regulation (EC) 715/2007	L 171, 29.6.2007, p.1	X (⁹)	X (⁹)		X (⁹)	X (⁹)						
3	Fuel tanks/rear protective devices	Directive 70/221/EEC	L 76, 6.4.1970, p. 23	X (⁵)	X (⁵)	X (⁵)	X (⁵)	X (⁵)	X (⁵)	X	X	X	X	X
4	Rear registration plate space	Directive 70/222/EEC	L 76, 6.4.1970, p. 25	X	X	X	X	X	X	X	X	X	X	X
5	Steering effort	Directive 70/311/EEC	L 133, 18.6.1970, p. 10	X	X	X	X	X	X	X	X	X	X	X
6	Door latches and hinges	Directive 70/387/EEC	L 176, 10.8.1970, p. 5	X			X	X	X					

Item	Subject	Regulatory act reference	Official Journal reference	Applicability											
				M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄		
7	Audible warning	Directive 70/388/EEC	L 176, 10.8.1970, p. 12	X	X	X	X	X	X						
8	Indirect vision devices	Directive 2003/97/EC	L 25, 29.1.2004, p. 1	X	X	X	X	X	X						
9	Braking	Directive 71/320/EEC	L 202, 6.9.1971, p. 37	X	X	X	X	X	X	X	X	X	X	X	X
10	Radio interference (electromagnetic compatibility)	Directive 72/245/EEC	L 152, 6.7.1972, p. 15	X	X	X	X	X	X	X	X	X	X	X	X
11	Diesel smoke	Directive 72/306/EEC	L 190, 20.8.1972, p. 1	X	X	X	X	X	X						
12	Interior fittings	Directive 74/60/EEC	L 38, 11.2.1974, p. 2	X											
13	Anti-theft and immobiliser	Directive 74/61/EEC	L 38, 11.2.1974, p. 22	X	X	X	X	X	X						
14	Protective steering	Directive 74/297/EEC	L 165, 20.6.1974, p. 16	X			X								
15	Seat strength	Directive 74/408/EEC	L 221, 12.8.1974, p. 1	X	X	X	X	X	X						
16	Exterior projections	Directive 74/483/EEC	L 256, 2.10.1974, p. 4	X											
17	Speedometer and reverse gear	Directive 75/443/EEC	L 196, 26.7.1975, p. 1	X	X	X	X	X	X						
18	Plates (statutory)	Directive 76/114/EEC	L 24, 30.1.1976, p. 1	X	X	X	X	X	X	X	X	X	X	X	X
19	Seat belt anchorages	Directive 76/115/EEC	L 24, 30.1.1976, p. 6	X	X	X	X	X	X						
20	Installation of lighting and light signalling devices	Directive 76/756/EEC	L 262, 27.9.1976, p. 1	X	X	X	X	X	X	X	X	X	X	X	X

Item	Subject	Regulatory act reference	Official Journal reference	Applicability										
				M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄	
21	Retro reflectors	Directive 76/757/EEC	L 262, 27.9.1976, p. 32	X	X	X	X	X	X	X	X	X	X	X
22	End-outline, front-position (side), rear-position (side), stop, side marker, daytime running lamps	Directive 76/758/EEC	L 262, 27.9.1976, p. 54	X	X	X	X	X	X	X	X	X	X	X
23	Direction indicators	Directive 76/759/EEC	L 262, 27.9.1976, p. 71	X	X	X	X	X	X	X	X	X	X	X
24	Rear registration plate lamps	Directive 76/760/EEC	L 262, 27.9.1976, p. 85	X	X	X	X	X	X	X	X	X	X	X
25	Headlamps (including bulbs)	Directive 76/761/EEC	L 262, 27.9.1976, p. 96	X	X	X	X	X	X					
26	Front fog lamps	Directive 76/762/EEC	L 262, 27.9.1976, p. 122	X	X	X	X	X	X					
27	Towing hooks	Directive 77/389/EEC	L 145, 13.6.1977, p. 41	X	X	X	X	X	X					
28	Rear fog lamps	Directive 77/538/EEC	L 220, 29.8.1977, p. 60	X	X	X	X	X	X	X	X	X	X	X
29	Reversing lamps	Directive 77/539/EEC	L 220, 29.8.1977, p. 72	X	X	X	X	X	X	X	X	X	X	X
30	Parking lamps	Directive 77/540/EEC	L 220, 29.8.1977, p. 83	X	X	X	X	X	X					
31	Seat belts and restraint systems	Directive 77/541/EEC	L 220, 29.8.1977, p. 95	X	X	X	X	X	X					
32	Forward vision	Directive 77/649/EEC	L 267, 19.10.1977, p. 1	X										
33	Identification of controls, tell-tales and indicators	Directive 78/316/EEC	L 81, 28.3.1978, p. 3	X	X	X	X	X	X					
34	Defrost/demist	Directive 78/317/EEC	L 81, 28.3.1978, p. 27	X	(¹)	(¹)	(¹)	(¹)	(¹)					

Item	Subject	Regulatory act reference	Official Journal reference	Applicability											
				M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄		
35	Wash/wipe	Directive 78/318/EEC	L 81, 28.3.1978, p. 49	X	(²)	(²)	(²)	(²)	(²)						
36	Heating systems	Directive 2001/56/EC	L 292, 9.11.2001, p. 21	X	X	X	X	X	X	X	X	X	X	X	X
37	Wheel guards	Directive 78/549/EEC	L 168, 26.6.1978, p. 45	X											
38	Head restraints	Directive 78/932/EEC	L 325, 20.11.1978, p. 1	X											
39	CO ₂ emissions/fuel consumption	Directive 80/1268/EEC	L 375, 31.12.1980, p. 36	X			X								
40	Engine power	Directive 80/1269/EEC	L 375, 31.12.1980, p. 46	X	X	X	X	X	X						
41	Emissions (Euro IV and V) heavy duty vehicles.	Directive 2005/55/EC	L 275, 20.10.2005, p. 1	X ⁽¹⁰⁾	X ⁽¹⁰⁾	X	X ⁽¹⁰⁾	X ⁽¹⁰⁾	X						
42	Lateral protection	Directive 89/297/EEC	L 124, 5.5.1989, p. 1					X	X				X	X	
43	Spray-suppression systems	Directive 91/226/EEC	L 103, 23.4.1991, p. 5					X	X				X	X	
44	Masses and dimensions (cars)	Directive 92/21/EEC	L 129, 14.5.1992, p. 1	X											
45	Safety glazing	Directive 92/22/EEC	L 129, 14.5.1992, p. 11	X	X	X	X	X	X	X	X	X	X	X	X
46	Tyres	Directive 92/23/EEC	L 129, 14.5.1992, p. 95	X	X	X	X	X	X	X	X	X	X	X	X
47	Speed limitation devices	Directive 92/24/EEC	L 129, 14.5.1992, p. 154		X	X		X	X						

Item	Subject	Regulatory act reference	Official Journal reference	Applicability										
				M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄	
48	Masses and dimensions (other than vehicles referred to in item 44)	Directive 97/27/EC	L 233, 28.8.1997, p. 1		X	X	X	X	X	X	X	X	X	X
49	External projections of cabs	Directive 92/114/EEC	L 409, 31.12.1992, p. 17				X	X	X					
50	Couplings	Directive 94/20/EC	L 195, 29.7.1994, p. 1	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X	X	X	X	X
51	Flammability	Directive 95/28/EC	L 281, 23.11.1995, p. 1			X								
52	Buses and coaches	Directive 2001/85/EC	L 42, 13.2.2002, p. 1		X	X								
53	Frontal impact	Directive 96/79/EC	L 18, 21.1.1997, p. 7	X ⁽⁶⁾										
54	Side impact	Directive 96/27/EC	L 169, 8.7.1996, p. 1	X ⁽¹¹⁾			X ⁽¹¹⁾							
55	(empty)													
56	Vehicles intended for the transport of dangerous goods	Directive 98/91/EC	L 11, 16.1.1999, p. 25				X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾	X ⁽⁴⁾
57	Front underrun protection	Directive 2000/40/EC	L 203, 10.8.2000, p. 9					X	X					
58	Pedestrian protection	Directive 2003/102/EC	L 321, 6.12.2003, p. 15	X ⁽⁶⁾			X ⁽⁶⁾ X ⁽⁷⁾							
59	Recyclability	Directive 2005/64/EC	L 310, 25.11.2005, p. 10	X			X		-					
60	Frontal protection systems	Directive 2005/66/EC	L 309, 25.11.2005, p. 54	X			X							
61	Air-conditioning systems	Directive 2006/40/EC	L 161, 14.6.2006, p. 12	X			X ⁽⁸⁾							

- X Regulatory act applicable.
- (¹) Vehicles of this category shall be fitted with an adequate windscreen defrosting and demisting device.
 - (²) Vehicles of this category shall be fitted with adequate windscreen washing and wiping devices.
 - (³) The requirements of Directive 94/20/EC shall apply only to vehicles equipped with couplings.
 - (⁴) The requirements of Directive 98/91/EC shall apply only when the manufacturer applies for the type-approval of a vehicle intended for the transport of dangerous goods.
 - (⁵) In case of LPG or CNG vehicles, pending the adoption of the relevant amendments to Directive 70/221/EEC in order to include LPG and CNG tanks, a vehicle approval in accordance with UNECE Regulation No 67, as amended by the 01 series of amendments or UNECE Regulation No 110 is required.
 - (⁶) Not exceeding 2,5 tonnes technically permissible maximum laden mass.
 - (⁷) Derived from M1 category vehicles.
 - (⁸) Only for vehicles of category N₁, class I as described in the first table in point 5.3.1.4. of Annex I to Directive 70/220/EEC.
 - (⁹) 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.
 - (¹⁰) For vehicles with a reference mass exceeding 2 610 kg.
 - (¹¹) Only applicable to vehicles where the 'Seating Reference Point ('R' point)' of the lowest seat is not more than 700 mm high above the ground level. The 'R' point is defined in Directive 77/649/EEC.

PART II

List of UNECE Regulations recognised as an alternative to directives or regulations mentioned in Part I

Where reference is made to a separate Directive or Regulation in the table of Part I, an approval issued under the following UNECE Regulations to which the Community has acceded as a Contracting Party to the United Nations Economic Commission for Europe 'Revised 1958 Agreement' by virtue of Council Decision 97/836/EC¹, or subsequent Council decisions as referred to in Article 3(3) of that Decision, shall be considered as equivalent to an EC type-approval granted under the relevant separate Directive or Regulation.

Any further amendment of the UNECE Regulations listed below (++) shall also be deemed to be equivalent, subject to the Community Decision as referred to in Article 4(2) of Decision 97/836/EC.

¹ OJ L 346, 17.12.1997, p.78.

	Subject	Basic UNECE Regulation Number	Series of amendments
1.(*)	Permissible sound level	51	02
	Replacement silencing systems	59	00
2.	Emissions	83	05
	Replacement catalytic converters	103	00
3.	Fuel tanks	34	02
	LPG tanks	67	01
	CNG tanks	110	00
	Rear protective device	58	01
5.	Steering effort	79	01
6.	Door latches and hinges	11	03
7.	Audible warning	28	00
8.	Indirect vision devices	46	02
9.	Braking	13	10
	Braking	13H	00
	Brake linings	90	01
10.	Radio interference (electromagnetic compatibility)	10	02
11.	Diesel smoke	24	02
12.	Interior fittings	21	01
13.	Anti-theft	18	03
	Anti-theft and immobiliser	116	00
	Vehicle Alarm Systems	97	01
14.	Behaviour of steering device under impact	12	03
15.	Seat strength	17	07
	Seat strength (buses and coaches)	80	01
16.	Exterior projections	26	03
17.	Speedometer	39	00
19.	Seat belt anchorages	14	06
20.	Installation of lighting and light signalling devices	48	03
21.	Retro reflectors	3	02
22.	End-outline/front-position (side)/rear-position (side)/stop lamps	7	02
	Daytime running lamps	87	00
	Side marker lamps	91	00
23.	Direction indicators	6	01
24.	Rear registration plate lamp	4	00
25.	Headlamps (R ₂ and HS ₁)	1	02
25.	Headlamps (sealed beam)	5	02
	Headlamps (H ₁ , H ₂ , H ₃ , HB ₃ , HB ₄ , H ₇ , and/or H ₈ , H ₉ , HIR1, HIR2 and/or H ₁₁)	8	05
	Headlamps (H ₄)	20	03
	Headlamps (halogen sealed beam)	31	02

	Subject	Basic UNECE Regulation Number	Series of amendments
	Filament lamps for use in approved lamp units	37	03
	Headlamps with gas-discharge light sources	98	00
	Gas-discharge light sources for use in approved gas-discharge lamp units	99	00
	Headlamps (asymmetrical passing beam)	112	00
	Adaptative front-lighting systems	123	00
26.	Front fog lamps	19	02
28.	Rear fog lamps	38	00
29.	Reversing lamps	23	00
30.	Parking lamps	77	00
31.	Seat belts and restraint systems	16	05
	Child restraints	44	04
32.	Front forward field of vision	125	00
33.	Identification of controls, tell-tales and indicators	121	00
36.	Heating systems	122	00
38.	Head restraints (combined with seats)	17	07
	Head restraints	25	04
39.	CO ₂ emissions – Fuel consumption	101	00
40.	Engine power	85	00
41.	Emissions (Euro IV and V) heavy duty vehicles	49	[05]

	Subject	Basic UNECE Regulation Number	Series of amendments
42.	Lateral protection	73	00
45.	Safety glazing	43	00
46.	Tyres, motor vehicles and their trailers	30	02
	Tyres, commercial vehicles and their trailers	54	00
	Temporary-use spare wheels/tyres	64	01
	Rolling sound	117	01
47.	Speed limitation devices	89	00
50.	Couplings	55	01
	Close-coupling device	102	00
51.	Flammability	118	00
52.	Buses and coaches	107	02
	Strength of superstructure (buses and coaches)	66	00
53.	Frontal impact	94	01
54.	Side impact	95	02
56.	Vehicles intended for the transport of dangerous goods	105	04
57.	Front underrun protection	93	00
<p>(¹) Where the separate directive or regulation contains installation requirements, these apply also to components and separate technical units approved in accordance with the UNECE Regulations.</p> <p>(²) The numbering of the entries in this table refers to the numbering used in the table of Part I.</p> <p>(³) For subsequent amendments, see UNECE TRANS/WP.29/343 in its latest revision.</p>			