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► **B** 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

(Text with EEA relevance)

(OJ L 200, 31.7.2009, p. 1)

Amended by:

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► <u>M2</u>	Commission Regulation (EU) No 523/2012 of 20 June 2012	L 160	8	21.6.2012
► <u>M3</u>	Commission Regulation (EU) 2015/166 of 3 February 2015	L 28	3	4.2.2015
► <u>M4</u>	Commission Regulation (EU) 2016/1004 of 22 June 2016	L 165	1	23.6.2016
► <u>M5</u>	Commission Regulation (EU) 2019/543 of 3 April 2019	L 95	1	4.4.2019

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- **C1** Corrigendum, OJ L 337, 20.12.2011, p. 27 (661/2009)
- **C2** Corrigendum, OJ L 308, 25.11.2015, p. 11 (661/2009)



**REGULATION (EC) No 661/2009 OF THE EUROPEAN
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CHAPTER I

SUBJECT MATTER, SCOPE AND DEFINITIONS

Article 1

Subject matter

This Regulation establishes requirements:

1. for the type-approval of motor vehicles, their trailers and systems, components and separate technical units intended therefor with regard to their safety,
2. for the type-approval of motor vehicles, in respect of tyre pressure monitoring systems, with regard to their safety, fuel efficiency and CO₂ emissions and, in respect of gear shift indicators, with regard to their fuel efficiency and CO₂ emissions; and
3. for the type-approval of newly-manufactured tyres with regard to their safety, rolling resistance performance and rolling noise emissions.

Article 2

Scope

This Regulation shall apply to vehicles of categories M, N and O and systems, components and separate technical units intended therefor as defined in Section A of Annex II to Directive 2007/46/EC, subject to Articles 5 to 12 of this Regulation.

Article 3

Definitions

For the purposes of this Regulation, the definitions laid down in Article 3 of Directive 2007/46/EC shall apply.

In addition, the following definitions shall apply:

1. ‘electronic stability control’ means an electronic control function for a vehicle which improves the dynamic stability of the vehicle;
2. ‘class I M₂ or M₃ vehicle’ means an M₂ or M₃ vehicle with a capacity exceeding 22 passengers in addition to the driver constructed with areas for standing passengers to allow frequent passenger movement;

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3. 'class A M₂ or M₃ vehicle' means an M₂ or M₃ vehicle with a capacity not exceeding 22 passengers, in addition to the driver, designed to carry standing passengers and having seats and provision for standing passengers;
4. 'lane departure warning system' means a system to warn the driver of unintentional drift of the vehicle out of its travel lane;
5. 'advanced emergency braking system' means a system which can automatically detect an emergency situation and activate the vehicle braking system to decelerate the vehicle with the purpose of avoiding or mitigating a collision;
6. 'load-capacity index' means one or two numbers which indicate the load the tyre can carry in single or in single and dual formation at the speed corresponding to the associated speed category and when used in conformity with requirements specified by the manufacturer;
7. 'tyre pressure monitoring system' means a system fitted on a vehicle which can evaluate the pressure of the tyres or the variation of pressure over time and transmit corresponding information to the user while the vehicle is running;
8. 'special use tyre' means a tyre intended for mixed use both on- and off-road or for other special duty;
9. 'off-road professional tyre' means a special use tyre primarily used in severe off-road conditions;
10. 'reinforced tyre' or 'extra load tyre' means a C1 pneumatic tyre structure in which the carcass is designed to carry a greater load than the corresponding standard tyre;
11. 'snow tyre' means a tyre whose tread pattern, tread compound or structure is primarily designed to achieve in snow conditions a performance better than that of a normal tyre with regard to its ability to initiate or maintain vehicle motion;
12. 'T-type temporary-use spare tyre' means a temporary-use spare tyre designed for use at inflation pressures higher than those established for standard and reinforced tyres;
13. 'traction tyre' means a tyre of classes C2 or C3 bearing the inscription 'M + S', 'M.S.' or 'M&S' and intended to be fitted to a vehicle drive axle or axles;
14. 'unprotected road user' means pedestrians, cyclists and motorcyclists;
15. 'gear shift indicator' or 'GSI' means a visible indicator recommending that the driver shift gear;
16. 'manual gearbox' means a gearbox that can be operated in a mode where the shift between all or some of the gears is always an immediate consequence of an action of the driver, regardless of

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its physical implementation; this does not cover systems where the driver can only preselect a certain gear shift strategy or limit the number of gears available for driving, and where the actual gear shifts are initiated independently of the decision of the driver according to certain driving patterns.

CHAPTER II

OBLIGATIONS OF MANUFACTURERS

*Article 4***General obligations**

1. Manufacturers shall demonstrate that all new vehicles sold, registered or put into service within the Community are type-approved in accordance with this Regulation and its implementing measures.

2. Manufacturers may choose to apply for type-approval with regard to all the systems, and the installation of all the components and separate technical units covered by this Regulation, or for type-approval with regard to one or more systems and the installation of one or more components and one or more separate technical units covered by this Regulation. Type-approval in accordance with the UNECE Regulations listed in Annex IV shall be considered as EC type-approval in accordance with this Regulation and its implementing measures.

3. Manufacturers shall demonstrate that all new systems, components and separate technical units sold or put into service within the Community are type-approved in accordance with this Regulation and its implementing measures.

*Article 5***General requirements and tests**

1. Manufacturers shall ensure that vehicles are designed, constructed and assembled so as to minimise the risk of injury to vehicle occupants and other road users.

2. Manufacturers shall ensure that vehicles, systems, components and separate technical units comply with the relevant requirements set out in this Regulation and its implementing measures, including the requirements relating to:
 - (a) vehicle structure integrity, including impact tests;

 - (b) systems to aid the driver's control of the vehicle, including steering, braking and electronic stability control systems;

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- (c) systems to provide the driver with visibility and information on the state of the vehicle and the surrounding area, including glazing, mirrors and driver information systems;
- (d) vehicle lighting systems;
- (e) vehicle occupant protection, including interior fittings, head restraints, seat belts, 'ISOfix' anchorages or built-in child restraints and vehicle doors;
- (f) the vehicle exterior and accessories;
- (g) electromagnetic compatibility;
- (h) audible warning devices;
- (i) heating systems;
- (j) devices to prevent unauthorised use;
- (k) vehicle identification systems;
- (l) masses and dimensions;
- (m) electrical safety;
- (n) gear shift indicators.

3. The requirements referred to in paragraphs 1 and 2 shall apply to vehicles and systems, components and separate technical units intended therefor, as specified in Annex I.

*Article 6***Specific requirements relating to certain vehicles of categories N and O**

1. In addition to the requirements contained in Articles 5, 8, 9, 10 and 12 and the implementing measures thereof, vehicles of categories N and O shall, where relevant, meet the requirements set out in paragraphs 2 to 5 of this Article and the implementing measures thereof.

2. Vehicles of categories N₂ and N₃ shall be constructed to ensure that, in the event of a front collision with another vehicle, the risk of injury to a vehicle occupant due to underrun is minimised.

3. Vehicles of categories N₂, N₃, O₃ and O₄ shall be constructed to ensure that, in the event of the vehicle being hit from the side by an unprotected road user, the risk of injury to that unprotected road user due to underrun is minimised.

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4. The vehicle cab or the space provided for the driver and passengers shall be of sufficient strength to offer protection to the occupants in the event of an impact, taking account of UNECE Regulation 29.

5. Vehicles of categories N₂, N₃, O₃ and O₄ shall be constructed so as to minimise the effect of spray emissions from the vehicle on the ability of drivers of other vehicles to see.

*Article 7***Specific requirements relating to vehicles of categories M₂ and M₃**

1. In addition to the requirements contained in Articles 5, 8, 9, 10 and 12 and the implementing measures thereof, vehicles of categories M₂ and M₃ shall meet the requirements set out in paragraphs 2 to 5 of this Article and the implementing measures thereof.

2. The carrying capacity of a vehicle, including seated and standing passengers and wheelchair users, shall be appropriate to the mass, size and layout of the vehicle.

3. Vehicle bodies shall be designed and constructed so as to enable the vehicle to be operated in a safe and stable manner, even at full capacity. Suitable provisions shall be made to ensure safe access to and exit from the vehicle, particularly in the case of an emergency.

4. Vehicles of Class I shall be accessible for people with reduced mobility, including wheelchair users.

5. Materials used in the construction of the inside of bus and coach bodywork shall, as far as possible, prevent or at least retard fire in order to allow occupants to evacuate the vehicle in the event of fire.

*Article 8***Classification of tyres**

1. Tyres shall be classified as follows:

(a) class C1 tyres — tyres designed primarily for vehicles of categories M₁, N₁, O₁ and O₂;

(b) class C2 tyres — tyres designed primarily for vehicles of categories M₂, M₃, N, O₃ and O₄ with a load capacity index in single formation ≤ 121 and the speed category symbol \geq 'N';

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- (c) class C3 tyres — tyres designed primarily for vehicles of categories M₂, M₃, N, O₃ and O₄ with one of the following load capacity indices:
- (i) a load capacity index in single formation ≤ 121 and the speed category symbol \leq 'M';
 - (ii) a load capacity index in single formation ≥ 122 .

A tyre may be classified in more than one class provided that it meets all the relevant requirements of each class in which it is classified.

2. The list of load-capacity indices and their corresponding masses contained in UNECE Regulations 30 and 54 shall apply.

*Article 9***Specific provisions relating to vehicle tyres, installation of tyres and tyre pressure monitoring systems**

1. All tyres provided as part of the equipment of a vehicle, including, where appropriate, any spare tyres, shall be suitable for use on the vehicles for which they are intended, particularly with regard to their dimensions, speed and load performance characteristics.
2. Vehicles of category M₁ shall be equipped with an accurate tyre pressure monitoring system capable of giving, when necessary, an in-car warning to the driver when a loss of pressure occurs in any tyre, in the interests of optimum fuel consumption and road safety. Appropriate limits in the technical specifications shall be set to achieve this, which shall furthermore allow for a technology-neutral and cost-effective approach in the development of accurate tyre pressure monitoring systems.
3. All C1 tyres shall meet the wet grip requirements contained in Part A of Annex II.
4. All tyres shall meet the rolling resistance requirements contained in Part B of Annex II.
5. All tyres shall meet the rolling noise requirements contained in Part C of Annex II.
6. Paragraphs 3, 4 and 5 shall not apply to:
 - (a) tyres whose speed rating is less than 80 km/h;
 - (b) tyres whose nominal rim diameter does not exceed 254 mm or is 635 mm or more;

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- (c) T-type temporary-use spare tyres;
- (d) tyres designed only to be fitted to vehicles registered for the first time before 1 October 1990;
- (e) tyres fitted with additional devices to improve traction properties.

7. The requirements regarding rolling resistance and rolling noise set out in Parts B and C of Annex II shall not apply to off-road professional tyres.

*Article 10***Advanced vehicle systems**

1. Subject to exemptions established in accordance with Article 14(3)(a), vehicles of categories M₂, M₃, N₂ and N₃ shall be equipped with an advanced emergency braking system which shall meet the requirements of this Regulation and its implementing measures.

2. Subject to exemptions established in accordance with Article 14(3)(a), vehicles of categories M₂, M₃, N₂ and N₃ shall be equipped with a lane departure warning system which shall meet the requirements of this Regulation and its implementing measures.

*Article 11***Gear shift indicators**

Vehicles of category M₁ with a reference mass not exceeding 2 610 kg and vehicles to which type-approval is extended in accordance with Article 2(2) of Regulation (EC) No 715/2007 which are fitted with a manual gearbox shall be equipped with gear shift indicators in accordance with the requirements of this Regulation and its implementing measures.

*Article 12***Electronic stability control systems**

1. Vehicles of categories M₁ and N₁ shall be equipped with an electronic stability control system meeting the requirements of this Regulation and its implementing measures.

2. With the exception of off-road vehicles as defined in points 4.2 and 4.3 of Section A of Annex II to Directive 2007/46/EC, the following vehicles shall be equipped with an electronic stability control system meeting the requirements of this Regulation and its implementing measures:

- (a) vehicles of categories M₂ and M₃, except for those with more than three axles, articulated buses and coaches, and buses of Class I or Class A;

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- (b) vehicles of categories N₂ and N₃ except for those with more than three axles, tractors for semi-trailers with a gross vehicle mass between 3.5 and 7.5 tonnes, and special purpose vehicles as defined in points 5.7 and 5.8 of Section A of Annex II to Directive 2007/46/EC;
- (c) vehicles of categories O₃ and O₄ equipped with air suspension, except for those with more than three axles, trailers for exceptional load transport and trailers with areas for standing passengers.

CHAPTER III

OBLIGATIONS OF THE MEMBER STATES

*Article 13***Type-approval of vehicles, components and separate technical units**

1. With effect from 1 November 2011, national authorities shall refuse, on grounds relating to electronic stability control systems, to grant EC type-approval or national type-approval in respect of new types of vehicle of categories M₁ and N₁ which do not comply with this Regulation and its implementing measures.

Following the implementation dates set out in Table 1 of Annex V, national authorities shall refuse, on grounds relating to electronic stability control systems, to grant EC type-approval or national type-approval in respect of new types of vehicle of categories M₂, M₃, N₂, N₃, O₃ and O₄, which do not comply with this Regulation and its implementing measures.

2. With effect from 1 November 2012, national authorities shall refuse to grant on grounds relating to the areas of vehicle safety and tyres covered by Articles 5 to 8, Article 9(2) and Article 11:

- (a) EC type-approval or national type-approval in respect of new types of vehicle of the categories specified in those Articles and their implementing measures, where such vehicles do not comply with this Regulation and its implementing measures; and
- (b) EC component/separate technical unit type-approval in respect of new types of components or separate technical units intended for such vehicles, where such components or separate technical units do not comply with this Regulation and its implementing measures.

3. With effect from 1 November 2012, national authorities shall refuse, on grounds relating to the areas of tyres covered by Article 9(1) and (3) to (7) and Annex II, with the exception of the rolling resistance limit values set out in Table 2 of Part B of Annex II, to grant EC component/separate technical unit type-approval in respect of new types of tyre which do not comply with this Regulation and its implementing measures.

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With effect from 1 November 2013, national authorities shall refuse, on grounds relating to the areas of tyres covered by Article 9(1) and (3) to (7) and Annex II, with the exception of the rolling resistance limit values set out in Table 2 of Part B of Annex II, to grant EC type-approval or national type-approval in respect of new types of vehicle of the categories M, N and O which do not comply with this Regulation and its implementing measures.

4. Following the implementation dates set out in Table 2 of Annex V, national authorities shall, on grounds relating to electronic stability control systems, consider certificates of conformity for new vehicles of categories M₂, M₃, N₂, N₃, O₃ and O₄ to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and shall prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures.

5. With effect from 1 November 2014, national authorities shall, on grounds relating to the areas of vehicle safety and tyres covered by Articles 5, 6, 7 and 8, Article 9(1) to (4), Article 11, Article 12(1) and Parts A and B of Annex II, with the exception of the rolling resistance limit values for C3 tyres and the rolling resistance limit values set out in Table 2 of Part B of Annex II:

- (a) consider certificates of conformity for new vehicles of the categories specified in those Articles to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures; and
- (b) prohibit the sale and entry into service of new components or separate technical units intended for such vehicles, where such components or separate technical units do not comply with this Regulation and its implementing measures.

6. With effect from 1 November 2016, national authorities shall, on grounds relating to tyre rolling noise and, in the case of C3 tyres, also on grounds relating to tyre rolling resistance, with the exception of the rolling resistance limit values set out in Table 2 of Part B of Annex II:

- (a) consider certificates of conformity for new vehicles of categories M, N and O to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures; and
- (b) prohibit the sale and entry into service of new tyres intended for such vehicles, where such tyres do not comply with this Regulation and its implementing measures.

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7. With effect from 1 November 2016 national authorities shall refuse, on grounds relating to tyre rolling resistance, to grant EC component/separate technical unit type-approval in respect of new types of tyres which do not comply with the rolling resistance limit values set out in Table 2 of Part B of Annex II.

8. With effect from 1 November 2017 national authorities shall refuse, on grounds relating to tyre rolling resistance, to grant EC type-approval or national type-approval in respect of new types of vehicle of categories M, N and O which do not comply with the rolling resistance limit values set out in Table 2 of Part B of Annex II.

9. With effect from 1 November 2018 national authorities shall:

(a) on grounds relating to the rolling resistance limit values of C1 and C2 tyres set out in Table 2 of Part B of Annex II, consider certificates of conformity for new vehicles of categories M, N and O to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures; and

(b) prohibit the sale and entry into service of new tyres intended for such vehicles, where such tyres do not comply with the rolling resistance limit values set out in Table 2 of Part B of Annex II.

10. With effect from 1 November 2020 national authorities shall:

(a) on grounds relating to the rolling resistance limit values of C3 tyres set out in Table 2 of Part B of Annex II, consider certificates of conformity for new vehicles of categories M, N and O to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures; and

(b) prohibit the sale and entry into service of new tyres intended for such vehicles, where such tyres do not comply with the rolling resistance limit values set out in Table 2 of Part B of Annex II.

11. C1, C2 and C3 tyres that were manufactured prior to the dates set out in paragraphs 5, 6, 9 and 10 and which do not comply with the requirements of Annex II may be sold for a period not exceeding 30 months from those dates.

12. With effect from 1 November 2013 national authorities shall refuse, on grounds relating to the areas of vehicle safety covered in Article 10, to grant EC type-approval or national type-approval in respect of new types of vehicle of categories M₂, M₃, N₂ and N₃, where such vehicles do not comply with this Regulation and its implementing measures.

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13. With effect from 1 November 2015 national authorities shall, on grounds relating to vehicle safety covered in Article 10, consider certificates of conformity for new vehicles of categories M₂, M₃, N₂ and N₃ to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, and prohibit the registration, sale and entry into service of such vehicles, where such vehicles do not comply with this Regulation and its implementing measures.

14. National authorities shall permit the sale and entry into service of vehicles, components and separate technical units type-approved before the dates referred to in paragraphs 1, 2 and 3 and continue to grant extension of approvals to those vehicles, components and separate technical units under the terms of the regulatory act under which they were originally permitted or granted, unless the requirements applying to such vehicles, components or separate technical units have been modified or new requirements have been added by this Regulation and its implementing measures.

National authorities shall permit the sale and entry into service of and continue to grant extensions to EC type-approval to replacement components and separate technical units, with the exception of replacement tyres, intended for vehicles type-approved before the dates referred to in paragraphs 1, 2 and 3, under the terms of the regulatory act under which they were originally permitted or granted.

15. Without prejudice to paragraphs 1 to 14, and subject to entry into force of the implementing measures referred to in Article 14, if a manufacturer so requests, national authorities may not, on grounds relating to the areas of vehicle safety and tyres covered in Articles 5 to 12:

- (a) refuse to grant EC type-approval or national type-approval for a new type of vehicle or to grant EC component/separate technical unit type-approval for a new type of component or separate technical unit, where such vehicle, component or separate technical unit complies with this Regulation and its implementing measures; or
- (b) prohibit the registration, sale or entry into service of a new vehicle or prohibit the sale or entry into service of a new component or separate technical unit, where the vehicle, component or separate technical unit concerned complies with this Regulation and its implementing measures.

CHAPTER IV**IMPLEMENTATION***Article 14***Implementing measures**

1. The Commission shall adopt the following implementing measures:

- (a) detailed rules concerning the specific procedures, tests and technical requirements for the type-approval of motor vehicles, their trailers and components and separate technical units with regard to the provisions of Articles 5 to 12;

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- (b) detailed rules concerning specific safety requirements for vehicles intended for the transport of dangerous goods by road within or between Member States, taking account of UNECE Regulation 105;
- (c) a more precise definition of the physical characteristics and performance requirements a tyre must fulfil to be defined as ‘special use tyre’, ‘off-road professional tyre’, ‘reinforced tyre’, ‘extra load tyre’, ‘snow tyre’, ‘T-type temporary-use spare tyre’ or ‘traction tyre’ in accordance with points 8 to 13 of the second paragraph of Article 3;
- (d) measures amending the limit values on rolling resistance and rolling noise laid down in Parts B and C of Annex II insofar as is necessary as a result of changes in test procedures and without lowering the level of protection of the environment;
- (e) detailed rules on the procedure for the determination of the noise levels referred to in point 1 of Part C of Annex II;
- (f) measures amending Annex IV to include the UNECE Regulations that are mandatory under Article 4(4) of Decision 97/836/EC.

2. The measures referred to in paragraph 1, with the exception of those relating to the provisions of Article 10, shall be adopted by 31 December 2010.

The measures relating to the provisions of Article 10 shall be adopted by 31 December 2011.

3. The Commission may adopt the following implementing measures:

- (a) measures exempting certain vehicles or classes of vehicles of categories M₂, M₃, N₂ and N₃ from the obligation to install advanced vehicle systems referred to in Article 10 where, following a cost/benefit analysis and taking into account all relevant safety aspects, the application of those systems proves not to be appropriate to the vehicle or class of vehicles concerned;
- (b) by 31 December 2010, and on the basis of a cost/benefit analysis, measures shortening the period laid down in Article 13(11), which may be differentiated according to the class or category of tyres concerned.

4. The measures referred to in this Article, designed to amend non-essential elements of this Regulation, *inter alia*, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 15(2).



Article 15

Committee procedure

1. The Commission shall be assisted by the Technical Committee — Motor Vehicles (TCMV) established by Article 40(1) of Directive 2007/46/EC.

2. Where reference is made to this paragraph, Article 5a(1) to (4) and Article 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

CHAPTER V

FINAL PROVISIONS

Article 16

Penalties for non-compliance

1. Member States shall lay down the rules on penalties applicable to infringement by manufacturers of the provisions of this Regulation and its implementing measures and shall take all measures necessary to ensure that they are implemented. The penalties provided for shall be effective, proportionate and dissuasive. By 20 February 2011 or, as appropriate, 18 months from the date of entry into force of the relevant implementing measure, Member States shall notify those provisions to the Commission, and shall notify it without delay of any subsequent amendment affecting them.

2. The types of infringement which are subject to a penalty shall include at least the following:

- (a) making false declarations during an approval procedure or a procedure leading to a recall;
- (b) falsifying test results for type-approval;
- (c) withholding data or technical specifications which could lead to recall or withdrawal of type-approval.

Article 17

Reporting

By 1 December 2012 and every three years thereafter, the Commission shall present a report to the European Parliament and to the Council including, where appropriate, proposals for amendment to this Regulation or other relevant Community legislation regarding the inclusion of further new safety features.

▼B*Article 18***Amendments to Directive 2007/46/EC**

Annexes IV, VI, XI and XV to Directive 2007/46/EC shall be amended in accordance with Annex III to this Regulation.

*Article 19***Repeal**

1. Directives 70/221/EEC, 70/222/EEC, 70/311/EEC, 70/387/EEC, 70/388/EEC, 71/320/EEC, 72/245/EEC, 74/60/EEC, 74/61/EEC, 74/297/EEC, 74/408/EEC, 74/483/EEC, 75/443/EEC, 76/114/EEC, 76/115/EEC, 76/756/EEC, 76/757/EEC, 76/758/EEC, 76/759/EEC, 76/760/EEC, 76/761/EEC, 76/762/EEC, 77/389/EEC, 77/538/EEC, 77/539/EEC, 77/540/EEC, 77/541/EEC, 77/649/EEC, 78/316/EEC, 78/317/EEC, 78/318/EEC, 78/549/EEC, 78/932/EEC, 89/297/EEC, 91/226/EEC, 92/21/EEC, 92/22/EEC, 92/24/EEC, 92/114/EEC, 94/20/EC, 95/28/EC, 96/27/EC, 96/79/EC, 97/27/EC, 98/91/EC, 2000/40/EC, 2001/56/EC, 2001/85/EC, 2003/97/EC shall be repealed with effect from 1 November 2014.

2. Directive 92/23/EEC shall be repealed with effect from 1 November 2017.

3. References to the repealed Directives shall be construed as references to this Regulation.

*Article 20***Entry into force**

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

It shall apply from 1 November 2011.

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Article 13(15), Article 14 and points 1(a)(iii), 1(b)(iii) and (iv), 2(c), 3(a)(iii), 3(b)(iii), 3(c)(iii), 3(d)(iii), 3(e)(iii) and 3(f)(ii) of Annex III shall apply from 20 August 2009.

Points 1(a)(i), 1(b)(i), 2(a), 3(a)(i), 3(b)(i), 3(c)(i), 3(d)(i), 3(e)(i) and 3(f)(i) of Annex III shall apply from 1 November 2014.

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Points 1(a)(ii), 1(b)(ii), 2(b), 3(a)(ii), 3(b)(ii), 3(c)(ii), 3(d)(ii), 3(e)(ii) and point 4 of Annex III shall apply from 1 November 2017.

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

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Subject	Applicability									
	M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
Front underrun protection					X	X				
Electric safety	X	X	X	X	X	X				

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- (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) Only if the vehicle is fitted with couplings.
- (⁴) Not exceeding 2,5 tonnes technically permissible maximum laden mass.
- (⁵) Only applicable to vehicles where the 'Seating reference point ("R" point)' of the lowest seat is not more than 700 mm above ground level. The 'R' point is defined in UNECE Regulation 95.
- (⁶) Only when the manufacturer applies for type-approval of a vehicle intended for the transport of dangerous goods.

▼B*ANNEX II***Requirements for tyres with regard to wet grip, rolling resistance and rolling noise****PART A — WET GRIP REQUIREMENTS**

Class C1 tyres shall meet the following requirements:

Category of use	Wet grip index (G)
snow tyre with a speed symbol ('Q' or below, excluding 'H') indicating a maximum permissible speed not greater than 160 km/h	$\geq 0,9$
snow tyre with a speed symbol ('R' and above, including 'H') indicating a maximum permissible speed greater than 160 km/h	$\geq 1,0$
normal (road type) tyre	$\geq 1,1$

PART B — ROLLING RESISTANCE REQUIREMENTS

The maximum values for the rolling resistance coefficient for each tyre type, measured in accordance with ISO 28580, shall not exceed the following:

Table 1

Tyre class	Max value (kg/tonne) 1st stage
C1	12,0
C2	10,5
C3	8,0

Table 2

Tyre class	Max value (kg/tonne) 2nd stage
C1	10,5
C2	9,0
C3	6,5

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For snow tyres, the limits in Table 1 and Table 2 shall be increased by 1 kg/tonne.

▼B**PART C — ROLLING NOISE REQUIREMENTS**

- The noise levels determined in accordance with the procedure specified in the implementing measures to this Regulation shall not exceed the limits designated in points 1.1 or 1.2. The Tables in points 1.1 and 1.2 represent the measured values corrected for temperature, except in the case of C3 tyres, and instrument tolerance, and are rounded down to the nearest whole value.

▼B

- 1.1. Class C1 tyres, with reference to the nominal section width of the tyre that has been tested:

Tyre class	Nominal section width (mm)	Limit values in dB(A)
C1A	≤ 185	70
C1B	$> 185 \leq 215$	71
C1C	$> 215 \leq 245$	71
C1D	$> 245 \leq 275$	72
C1E	> 275	74

For snow tyres, extra load tyres or reinforced tyres, or any combination of these classifications, the above limits shall be increased by 1 dB(A).

- 1.2. Class C2 and C3 tyres, with reference to the category of use of the range of tyres:

Tyre class	Category of use	Limit values in dB(A)
C2	Normal tyres	72
	Traction tyres	73
C3	Normal tyres	73
	Traction tyres	75

For special use tyres, the above limits shall be increased by 2 dB(A). An additional 2 dB(A) shall be allowed for snow tyres in the C2 traction tyre category. For all other categories of C2 and C3 tyres, an additional 1 dB(A) shall be allowed for snow tyres.

▼B*ANNEX III***Amendments to Directive 2007/46/EC**

Directive 2007/46/EC is hereby amended as follows:

1. Part I of Annex IV shall be amended as follows:

(a) the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 and 57 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

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	
'63	General safety	Regulation (EC) No 661/2009	OJ L 200, 31.7.2009, p. 1.	X	X	X	X	X	X	X	X	X	X	X

(b) the Appendix shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 44, 45, 50, 51, 52, 53 and 54 of the table shall be deleted;

▼B

(ii) point 46 of the table shall be deleted;

(iii) the following row shall be added to the table:

	Subject	Regulatory act reference	Official Journal reference	M ₁
'63	General safety	Regulation (EC) No 661/2009	OJ L 200, 31.7.2009, p. 1.	P/A'

(iv) in the 'Key', the following text shall be added:

'P/A: This Regulation is partially applicable. The precise scope of application is established in the implementing measures to this Regulation.'

2. In the Appendix to Annex VI, the table shall be amended as follows:

(a) points 3 to 10, 12 to 38, 42 to 45 and 47 to 57 shall be deleted;

(b) point 46 shall be deleted;

(c) the following row shall be added:

	Subject	Regulatory act reference ⁽¹⁾	As amended by	Applicable to versions
'63	General safety	Regulation (EC) No 661/2009'		

3. Annex XI shall be amended as follows:

(a) in Appendix 1, the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 44, 45, 47, 48, 49, 50, 51, 52, 53 and 54 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

Item	Subject	Regulatory act reference	M ₁ ≤ 2 500 ⁽¹⁾ kg	M ₁ > 2 500 ⁽¹⁾ kg	M ₂	M ₃
'63	General safety	Regulation (EC) No 661/2009	P/A	P/A	P/A	P/A'

▼B

(b) in Appendix 2, the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 and 57 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

Item	Subject	Regulatory act reference	M ₁	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
'63	General safety	Regulation (EC) No 661/2009	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A

(c) in Appendix 3, the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 44, 45, 50, 51, 52, 53 and 54 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

Item	Subject	Regulatory act reference	M ₁
'63	General safety	Regulation (EC) No 661/2009	P/A

(d) in Appendix 4, the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 and 57 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

Item	Subject	Regulatory act reference	M ₂	M ₃	N ₁	N ₂	N ₃	O ₁	O ₂	O ₃	O ₄
'63	General safety	Regulation (EC) No 661/2009	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A

(e) in Appendix 5, the table shall be amended as follows:

▼C2

(i) points 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 and 57 shall be deleted;

▼B

(ii) point 46 shall be deleted;

(iii) the following row shall be added:

Item	Subject	Regulatory act reference	Mobile crane of category N ₃
'63	General safety	Regulation (EC) No 661/2009	P/A

(f) the 'Meaning of letters' shall be amended as follows:

(i) points C, U, W₅, and W₆ shall be deleted;

(ii) the following text shall be added:

'P/A: This regulatory act is partially applicable. The precise scope of application is established in the implementing measures of this Regulation.'

4. In the table in Annex XV, point 46 shall be deleted.

▼ **M3**

ANNEX IV

List of UNECE Regulations which apply on a compulsory basis

Regulation Number	Subject	Series of amendments published in the OJ	OJ Reference	Scope covered by the UNECE Regulation
1	Headlamps emitting an asymmetrical passing beam and/or driving beam equipped with filament lamps R2 and/or HS1	02 series of amendments	OJ L 177, 10.7.2010, p. 1.	M, N ^(a)
3	Retro-reflecting devices for power-driven vehicles	Supplement 12 to the 02 series of amendments	OJ L 323, 6.12.2011, p. 1.	M, N, O
4	Illumination of rear-registration plates of power-driven vehicles and their trailers	Supplement 15 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 7.	M, N, O
6	Direction indicators for power-driven vehicles and their trailers	Supplement 25 to the 01 series of amendments	OJ L 213, 18.7.2014, p. 1.	M, N, O
7	Front and rear position (side) lamps, stop-lamps and end-outline marker lamps for power-driven vehicles and their trailers	Supplement 23 to the 02 series of amendments	OJ L 285, 30.9.2014, p. 1.	M, N, O
8	Motor vehicles headlamps (H1, H2, H3, HB3, HB4, H7, H8, H9, HIR1, HIR2 and/or H11)	05 series of amendments Corrigendum 1 to Revision 4	OJ L 177, 10.7.2010, p. 71.	M, N ^(a)
▼ M5				
10	Electromagnetic compatibility	Supplement 1 to the 05 series of amendments	OJ L 41, 17.2.2017, p. 1.	M, N, O
▼ M3				
11	Door latches and door retention components	Supplement 2 to the 03 series of amendments	OJ L 120, 13.5.2010, p. 1.	M ₁ , N ₁
12	Protection of the driver against the steering mechanism in the event of impact	Supplement 1 to the 04 series of amendments	OJ L 89, 27.3.2013, p. 1.	M ₁ , N ₁
▼ M4				
13	Braking of vehicles and trailers	Supplement 13 to the 11 series of amendments	OJ L 42, 18.2.2016, p. 1.	M ₂ , M ₃ , N, O ^(b)
13-H	Braking of passenger cars	Supplement 16 to the original version of the Regulation	OJ L 335, 22.12.2015, p. 1.	M ₁ , N ₁ ^(c)
14	Safety-belt anchorages, ISOFIX anchorages systems and ISOFIX top tether anchorages	Supplement 5 to the 07 series of amendments	OJ L 218, 19.8.2015, p. 27.	M, N
▼ M5				
16	Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems	Supplement 2 to the 07 series of amendments	OJ L 109, 27.4.2018, p. 1.	M, N ^(d)
▼ M3				
17	Seats, their anchorages and any head restraints	08 series of amendments	OJ L 230, 31.8.2010, p. 81.	M, N

▼ **M3**

Regulation Number	Subject	Series of amendments published in the OJ	OJ Reference	Scope covered by the UNECE Regulation
18	Protection of motor vehicles against unauthorized use	Supplement 2 to the 03 series of amendments	OJ L 120, 13.5.2010, p. 29.	M ₂ , M ₃ , N ₂ , N ₃
19	Power-driven vehicle front fog lamps	Supplement 6 to the 04 series of amendments	OJ L 250, 22.8.2014, p. 1.	M, N
20	Headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with halogen filament lamps (H4)	03 series of amendments	OJ L 177, 10.7.2010, p. 170.	M, N ^(a)
21	Interior fittings	Supplement 3 to the 01 series of amendments	OJ L 188, 16.7.2008, p. 32.	M ₁
23	Reversing lights for power-driven vehicles and their trailers	Supplement 19 to the original version of the Regulation	OJ L 237, 8.8.2014, p. 1.	M, N, O
25	Head restraints (headrests), whether or not incorporated in vehicle seats	04 series of amendments Corrigendum 2 to Revision 1	OJ L 215, 14.8.2010, p. 1.	M ₁
26	External projections	Supplement 1 to the 03 series of amendments	OJ L 215, 14.8.2010, p. 27.	M ₁
28	Audible warning devices and signals	Supplement 3 to the original version of the Regulation	OJ L 323, 6.12.2011, p. 33.	M, N
29	Protection of the occupants of the cab of a commercial vehicle	03 series of amendments	OJ L 304, 20.11.2010, p. 21.	N
30	Pneumatic tyres for motor vehicles and their trailers (Class C1)	Supplement 16 to the 02 series of amendments	OJ L 307, 23.11.2011, p. 1.	M, N, O
31	Power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing beam or a driving beam or both	Supplement 7 to the 02 series of amendments	OJ L 185, 17.7.2010, p. 15.	M, N
▼ M5				
34	Prevention of fire risks (liquid fuel tanks)	Supplement 1 to the 03 series of amendments	OJ L 231, 26.8.2016, p. 41.	M, N, O ^(c)
▼ M3				
37	Filament lamps for use in approved lamp units of power-driven vehicles and their trailers	Supplement 42 to the 03 series of amendments	OJ L 213, 18.7.2014, p. 36.	M, N, O
38	Rear fog lamps for power-driven vehicles and their trailers	Supplement 15 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 20.	M, N, O

▼ **M3**

Regulation Number	Subject	Series of amendments published in the OJ	OJ Reference	Scope covered by the UNECE Regulation	
▼ M5	39	Speedometer equipment including its installation	Supplement 1 to the 01 series of amendments	OJ L 302, 28.11.2018, p. 106	M, N
▼ M3	43	Safety glazing materials	Supplement 2 to the 01 series of amendments	OJ L 42, 12.2.2014, p. 1.	M, N, O
▼ M5	44	Restraining devices for child occupants of power-driven vehicles ('child restraint system')	Supplement 10 to the 04 series of amendments	OJ L 265, 30.9.2016, p. 1.	M, N ^(b)
▼ M3	46	Devices for indirect vision and their installation	Supplement 1 to the 04 series of amendments	OJ L 237, 8.8.2014, p. 24.	M, N
▼ M5	48	Installation of lighting and light-signalling devices on motor vehicles	Supplement 10 to the 06 series of amendments	OJ L 14, 16.1.2019, p. 42	M, N, O
▼ M3	54	Pneumatic tyres for commercial vehicles and their trailers (Classes C2 and C3)	Supplement 17 to the original version of the Regulation	OJ L 307, 23.11.2011, p. 2.	M, N, O
	55	Mechanical coupling components of combinations of vehicles	Supplement 1 to the 01 series of amendments	OJ L 227, 28.8.2010, p. 1.	M, N, O ^(f)
▼ M5	58	Rear underrun protective devices (RUPDs) and their installation; Rear underrun protection (RUP)	03 series of amendments	OJ L 49, 20.2.2019, p. 1.	M, N, O
▼ M3	61	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Supplement 1 to the original version of the Regulation	OJ L 164, 30.6.2010, p. 1.	N
	64	Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system	Corrigendum 1 to the 02 series of amendments	OJ L 310, 26.11.2010, p. 18.	M ₁ , N ₁
	66	Strength of the superstructure of large passenger vehicles	02 series of amendments	OJ L 84, 30.3.2011, p. 1.	M ₂ , M ₃
▼ M5	67	Motor vehicles using LPG	Supplement 14 to the 01 series of amendments	OJ L 285, 20.10.2016, p. 1.	M, N
▼ M3	73	Lateral protection of goods vehicles	01 series of amendments	OJ L 122, 8.5.2012, p. 1.	N ₂ , N ₃ , O ₃ , O ₄
	77	Parking lamps for power-driven vehicles	Supplement 14 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 21.	M, N
▼ M5	79	Steering equipment	03 series of amendments	OJ L 318, 14.12.2018, p. 1.	M, N, O

▼ **M3**

Regulation Number	Subject	Series of amendments published in the OJ	OJ Reference	Scope covered by the UNECE Regulation
80	Seats of large passenger vehicles	03 series of amendments to the Regulation	OJ L 226, 24.8.2013, p. 20.	M ₂ , M ₃
87	Daytime running lamps for power-driven vehicles	Supplement 15 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 24.	M, N
89	Speed limitation devices	Supplement 2 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 25.	M, N ⁽⁶⁾
90	Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers	02 series of amendments	OJ L 185, 13.7.2012, p. 24.	M, N, O
91	Side-marker lamps for motor vehicles and their trailers	Supplement 13 to the original version of the Regulation	OJ L 4, 7.1.2012, p. 27.	M, N, O
93	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Original version of the Regulation	OJ L 185, 17.7.2010, p. 56.	N ₂ , N ₃

▼ **M5**

94	Protection of occupants in the event of a frontal collision	03 series of amendments	OJ L 35, 8.2.2018, p. 1.	M ₁
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▼ **M4**

95	Protection of occupants in the event of a lateral collision	Supplement 4 to the 03 series of amendments	OJ L 183, 10.7.2015, p. 91.	M ₁ , N ₁
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▼ **M3**

97	Vehicle Alarm Systems (VAS)	Supplement 6 to the 01 series of amendments	OJ L 122, 8.5.2012, p. 19.	M ₁ , N ₁
98	Motor vehicle headlamps equipped with gas-discharge light sources	Supplement 4 to the 01 series of amendments	OJ L 176, 14.6.2014, p. 64.	M, N
99	Gas-discharge light sources for use in approved gas-discharge lamp units of power-driven vehicles	Supplement 9 to the original version of the Regulation	OJ L 285, 30.9.2014, p. 35.	M, N

▼ **M5**

100	Electric safety	Supplement 3 to the 02 series of amendments	OJ L 302, 28.11.2018, p. 114.	M, N
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▼ **M3**

102	Close-coupling device (CCD); fitting of an approved type of CCD	Original version of the Regulation	OJ L 351, 30.12.2008, p. 44.	N ₂ , N ₃ , O ₃ , O ₄
104	Retro-reflective markings (heavy and long vehicles)	Supplement 7 to the original version	OJ L 75, 14.3.2014, p. 29.	M ₂ , M ₃ , N, O ₂ , O ₃ , O ₄
105	Vehicles for the carriage of dangerous goods	05 series of amendments	OJ L 4, 7.1.2012, p. 30.	N, O

▼ **M3**

Regulation Number	Subject	Series of amendments published in the OJ	OJ Reference	Scope covered by the UNECE Regulation
▼ M5				
107	M ₂ and M ₃ vehicles	Supplement 1 to the 07 series of amendments	OJ L 52, 23.2.2018, p. 1.	M ₂ , M ₃
▼ M4				
110	Specific components for CNG	Supplement 2 to 01 series of amendments	OJ L 166, 30.6.2015, p. 1.	M, N
▼ M3				
112	Motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps and/or LED modules	Supplement 4 to the 01 series of amendments	OJ L 250, 22.8.2014, p. 67.	M, N
116	Protection of motor vehicles against unauthorized use	Supplement 3 to the original version of the Regulation	OJ L 45, 16.2.2012, p. 1.	M ₁ , N ₁
▼ M5				
117	Tyres with regard to rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)	Supplement 8 to the 02 series of amendments	OJ L 218, 12.8.2016, p. 1.	M, N, O
▼ M4				
118	Fire resistance of materials used in buses	Supplement 1 to the 02 series of amendments	OJ L 102, 21.4.2015, p. 67.	M ₃
▼ M5				
119	Cornering lamps	Supplement 3 to the 01 series of amendments	OJ L 89, 25.3.2014, p. 101.	M, N ^(b)
▼ M4				
121	Location and identification of hand controls, tell-tales and indicators	01 series of amendments	OJ L 5, 8.1.2016, p. 9.	M, N
▼ M3				
122	Heating system of vehicles	Supplement 1 to the original version of the Regulation	OJ L 164, 30.6.2010, p. 231.	M, N, O
▼ M5				
123	Adaptive front-lighting systems (AFS)	Supplement 9 to the 01 series of amendments	OJ L 49, 20.2.2019, p. 24.	M, N
125	Forward field of vision	Supplement 1 to the 01 series of amendments	OJ L 20, 25.1.2018, p. 16.	M ₁
128	Light Emitting Diode (LED) light sources	Supplement 6 to the original version of the Regulation	OJ L 320, 17.12.2018, p. 63.	M, N, O
140	Stability control	Supplement 2 to the original version of the Regulation	OJ L 269, 26.10.2018, p. 17.	M ₁ , N ₁
141	Tyre Pressure Monitoring Systems (TPMS)	Original version of the Regulation	OJ L 269, 26.10.2018, p. 36.	M ₁ , N ₁ ^(c)

▼ M3

Notes to the table:

The transitional provisions of the UNECE regulations listed in this table apply, except where specific alternative dates are provided for in this Regulation. Compliance with prescriptions in accordance with subsequent amendments to those listed in this table shall also be accepted.

The dates specified in the UNECE regulations listed in this table, as regards the obligations of Contracting Parties to the 'Revised 1958 Agreement' (Council Decision of 27 November 1997 with a view to accession by the European Community to the Agreement of the United Nations Economic Commission for Europe concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted to and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions ('Revised 1958 Agreement') (OJ L 346, 17.12.1997, p. 78).), linked to first registration, entry into service, making available on the market, sale, and any similar provisions, apply on a compulsory basis for the purposes of Articles 26 and 28 of Directive 2007/46/EC except in the case where alternative dates are specified in Regulation (EC) No 661/2009, which should then be taken instead.

In certain instances, a UNECE regulation listed in this table provides in its transitional provisions that as from a specified date, Contracting Parties to the 'Revised 1958 Agreement', applying a certain series of amendments to that UNECE regulation, shall not be obliged to accept or may refuse to accept, for the purpose of national or regional type-approval, a type approved in accordance with a preceding series of amendments, or wording with similar intention and meaning. This shall be construed as a binding provision for national authorities to consider the certificates of conformity to be no longer valid for the purposes of Article 26 of Directive 2007/46/EC, except in the case where alternative dates are specified in Regulation (EC) No 661/2009, which should then be taken instead.

^(a) UNECE Regulation Nos 1, 8 and 20 are not applicable for EC type-approval of new vehicles.

▼ M5

^(b) The fitting of an electronic stability control system is required in accordance with Article 12(1) and (2) of Regulation (EC) No 661/2009.

^(c) The fitting of an electronic stability control system is required in accordance with Article 12(1) and (2) of Regulation (EC) No 661/2009.

▼ M3

^(d) A safety-belt reminder is not required for a driver position equipped with an S-type belt or Harness belt.

^(e) Compliance with Part II of UNECE Regulation No 34 is not compulsory.

▼ M5

^(f) Where it is declared by the vehicle manufacturer that a vehicle is suitable for towing loads (point 2.11.5 of Annex I to Directive 2007/46/EC) and any part of a suitable mechanical coupling device, whether fitted or not to the type of motor-vehicle, could (partly) obscure any lighting component and/or the space for mounting and fixing the rear registration plate, the following shall apply:

- the motor-vehicle's user instructions (e.g. owner's manual, vehicle handbook) shall clearly specify that installation of a mechanical coupling device that cannot be easily removed or repositioned is not permitted;
- the instructions shall also clearly specify that, when fitted, a mechanical coupling device must always be removed or repositioned when it is not in use; and
- in the case of vehicle system type-approval according to UN Regulation 55, it shall be ensured that the removal, repositioning and/or alternate location provisions are also fully complied with as regards lighting installation and space for mounting and fixing the rear registration plate.

▼ M3

^(g) Only Speed Limitation Devices (SLD) and the mandatory installation of SLD on vehicles of category M₂, M₃, N₂ and N₃ are concerned.

▼ M5

^(h) A Universal International Whole Vehicle Type Approval issued under UN Regulation No 0 (OJ L 135, 31.5.2018, p. 1), that includes type-approval under the respective UN Regulations in the table that refer to this note, shall be considered equivalent to an EC type-approval granted under this Regulation.

⁽ⁱ⁾ Tyre pressure monitoring system for M1 vehicles applies on a compulsory basis in accordance with Article 9(2) of Regulation (EC) No 661/2009. UN Regulation No 141 applies to the approval of vehicles of category M1 up to a maximum mass of 3 500 kg. UN Regulation No 141 may apply on voluntary basis to the approval of vehicles of category N1 that are not fitted with twin wheels on an axle.

▼ **M3***Appendix***Validity and extension of approvals granted under the Directives repealed by this Regulation**

In accordance with Article 13(14) of this Regulation, EC type-approval certificates for vehicles, components and separate technical units issued in accordance with the directives listed below may be used to demonstrate compliance with the relevant UNECE regulations.

Regulation Number	Subject	Corresponding Directive	OJ Reference	Applicability
10	Electromagnetic compatibility	Directive 72/245/EEC	OJ L 152, 6.7.1972, p. 15.	M, N, O, component, STU ^(a)
11	Door latches and door retention components	Directive 70/387/EEC	OJ L 176, 10.8.1970, p. 5.	M ₁ , N ₁ ^(b)
12	Protection of the driver against the steering mechanism in the event of impact	Directive 74/297/EEC	OJ L 165, 20.6.1974, p. 16.	M ₁ , N ₁ ^(a)
14	Safety-belt anchorages, ISOFIX anchorages systems and ISOFIX top tether anchorages	Directive 76/115/EEC	OJ L 24, 30.1.1976, p. 6.	M ^(c)
18	Protection of motor vehicles against unauthorized use	Directive 74/61/EEC	OJ L 38, 11.2.1974, p. 22.	M ₂ , M ₃ , N ₂ , N ₃ , component, STU
21	Interior fittings	Directive 74/60/EEC	OJ L 38, 11.2.1974, p. 2.	M ₁
26	External projections	Directive 74/483/EEC	OJ L 266, 2.10.1974, p. 4.	M ₁ , STU ^(d)
28	Audible warning devices and signals	Directive 70/388/EEC	OJ L 176, 10.8.1970, p. 12.	M, N, component
30	Pneumatic tyres for motor vehicles and their trailers (Class C1)	Directive 92/23/EEC	OJ L 129, 14.5.1992, p. 95.	component ^(e)
34	Prevention of fire risks (liquid fuel tanks)	Directive 70/221/EEC	OJ L 76, 6.4.1970, p. 23.	M, N, O ^(f)
39	Speedometer equipment including its installation	Directive 75/443/EEC	OJ L 196, 26.7.1975, p. 1.	M, N ^(g)
43	Safety glazing materials	Directive 92/22/EEC	OJ L 129, 14.5.1992, p. 11.	M, N, O, component
▼ M4				
46	Devices for indirect vision and their installation	Directive 2003/97/EC	OJ L 25, 29.1.2004, p. 1.	M, N ₁ , component

▼ M3

Regulation Number	Subject	Corresponding Directive	OJ Reference	Applicability
48	Installation of lighting and light-signalling devices on motor vehicles	Directive 76/756/EEC	OJ L 262, 27.9.1976, p. 1.	M, N, O
55	Mechanical coupling components of combinations of vehicles	Directive 94/20/EC	OJ L 195, 29.7.1994, p. 1.	M, N, O, component
58	Rear underrun protective devices (RUPDs) and their installation; Rear underrun protection (RUP)	Directive 70/221/EEC	OJ L 76, 6.4.1970, p. 23.	M, N, O, STU
61	Commercial vehicles with regard to their external projections forward of the cab's rear panel	Directive 92/114/EEC	OJ L 409, 31.12.1992, p. 17.	N
73	Lateral protection of goods vehicles	Directive 89/297/EEC	OJ L 124, 5.5.1989, p. 1.	N ₂ , N ₃ , O ₃ , O ₄
79	Steering equipment	Directive 70/311/EEC	OJ L 133, 18.6.1970, p. 10.	M, N, O ^(b)
89	Speed limitation devices	Directive 92/24/EEC	OJ L 129, 14.5.1992, p. 154.	M ₂ , M ₃ , N ₂ , N ₃ , STU
90	Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers	Directive 71/320/EEC	OJ L 202, 6.9.1971, p. 37.	STU ⁽ⁱ⁾
93	Front underrun protective devices (FUPDs) and their installation; front underrun protection (FUP)	Directive 2000/40/EC	OJ L 203, 10.8.2000, p. 9.	N ₂ , N ₃ , STU
97	Vehicle Alarm Systems (VAS)	Directive 74/61/EEC	OJ L 38, 11.2.1974, p. 22.	M ₁ , N ₁ , component, STU
116	Protection of motor vehicles against unauthorized use	Directive 74/61/EEC	OJ L 38, 11.2.1974, p. 22.	M ₁ , N ₁ , component, STU
▼ <u>M4</u>				

▼ <u>M3</u>				
122	Heating system of vehicles	Directive 2001/56/EC	OJ L 292, 9.11.2001, p. 21.	M, N, O, component
125	Forward field of vision	Directive 77/649/EEC	OJ L 267, 19.10.1977, p. 1.	M ₁

▼ M3

Notes to the table:

- (^a) Not applicable for vehicle types equipped with electric propulsion.
- (^b) Not applicable for vehicle types in case of design changes to and/or the introduction of any back door and/or sliding door.
- (^c) Only applicable for special purpose completed vehicles of category M₁, excluding motor-caravans, with a permissible maximum laden mass exceeding 2,0 tonnes, as well as for vehicle categories M₂ and M₃.
- (^d) Not applicable for radio receiving or transmitting aerials considered as separate technical units.
- (^e) Only applicable for Class C1 tyres manufactured before, on or after 1 November 2014, to be sold and put into service after 1 November 2014 and being identified by means of the letter code 'Z' placed within the tyre size designation.
- (^f) Not covering Part II of UNECE Regulation No 34.
- (^g) See Article 4 of Regulation (EU) No 130/2012 (Commission Regulation (EU) No 130/2012 of 15 February 2012 concerning type-approval requirements for motor vehicles with regard to vehicle access and manoeuvrability and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (OJ L 43, 16.2.2012, p. 6)).
- (^h) Not applicable for vehicle types equipped with steering equipment containing complex electronic control systems.
- (ⁱ) Notwithstanding the provisions of Article 7(1) of Regulation (EU) 2015/166 and not applicable for brake discs and drums.



ANNEX V

Implementation dates of the requirements for electronic stability control systems on vehicles of categories M₂, M₃, N₂, N₃, O₃ and O₄

Table 1 — Implementation dates for new types of vehicle

Vehicle category	Implementation date
M ₂	11 July 2013
M ₃ (Class III)	1 November 2011
M ₃ < 16 tonnes (pneumatic transmission)	1 November 2011
M ₃ (Class II and B) (hydraulic transmission)	11 July 2013
M ₃ (Class III) (hydraulic transmission)	11 July 2013
M ₃ (Class III) (pneumatic control transmission and hydraulic energy transmission)	11 July 2014
M ₃ (Class II) (pneumatic control transmission and hydraulic energy transmission)	11 July 2014
M ₃ (other than above)	1 November 2011
N ₂ (hydraulic transmission)	11 July 2013
N ₂ (pneumatic control transmission and hydraulic energy transmission)	11 July 2014
N ₂ (other than above)	11 July 2012
N ₃ (2 axle tractors for semi-trailers)	1 November 2011
N ₃ (2 axle tractors for semi-trailers with pneumatic control transmission (ABS))	1 November 2011
N ₃ (3 axles with electric control transmission (EBS))	1 November 2011
N ₃ (2 and 3 axles with pneumatic control transmission (ABS))	11 July 2012
N ₃ (other than above)	1 November 2011
O ₃ (combined axle load between 3.5 and 7.5 tonnes)	11 July 2012
O ₃ (other than above)	1 November 2011
O ₄	1 November 2011



Table 2 — Implementation dates for new vehicles

Vehicle category	Implementation date
M ₂	11 July 2015
M ₃ (Class III)	1 November 2014
M ₃ < 16 tonnes (pneumatic transmission)	1 November 2014
M ₃ (Class II and B) (hydraulic transmission)	11 July 2015
M ₃ (Class III) (hydraulic transmission)	11 July 2015
M ₃ (Class III) (pneumatic control transmission and hydraulic energy transmission)	11 July 2016
M ₃ (Class II) (pneumatic control transmission and hydraulic energy transmission)	11 July 2016
M ₃ (other than above)	1 November 2014
N ₂ (hydraulic transmission)	11 July 2015
N ₂ (pneumatic control transmission and hydraulic energy transmission)	11 July 2016
N ₂ (other than above)	1 November 2014
N ₃ (2 axle tractors for semi-trailers)	1 November 2014
N ₃ (2 axle tractors for semi-trailers with pneumatic control transmission (ABS))	1 November 2014
N ₃ (3 axles with electric control transmission (EBS))	1 November 2014
N ₃ (2 and 3 axles with pneumatic control transmission (ABS))	1 November 2014
N ₃ (other than above)	1 November 2014
O ₃ (combined axle load between 3.5 and 7.5 tonnes)	1 November 2014
O ₃ (other than above)	1 November 2014
O ₄	1 November 2014