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Type-approval requirements for the general safety of motor vehicles *I**

European Parliament legislative resolution of 10 March 2009 on the proposal for a regulation of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles (COM(2008)0316 – C6-0210/2008 – 2008/0100(COD))

(Codecision procedure: first reading)

The European Parliament,

- having regard to the Commission proposal to the European Parliament and the Council (COM(2008)0316),
 - having regard to Article 251(2) and Article 95 of the EC Treaty, pursuant to which the Commission submitted the proposal to Parliament (C6-0210/2008),
 - having regard to Rule 51 of its Rules of Procedure,
 - having regard to the report of the Committee on the Internal Market and Consumer Protection and the opinion of the Committee on Industry, Research and Energy (A6-0482/2008),
1. Approves the Commission proposal as amended;
 2. Calls on the Commission to refer the matter to Parliament again if it intends to amend the proposal substantially or replace it with another text;
 3. Instructs its President to forward its position to the Council and Commission.

Position of the European Parliament adopted at first reading on 10 March 2009 with a view to the adoption of Regulation (EC) No .../2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and in particular Article 95 thereof,

Having regard to the proposal from the Commission ||,

Having regard to the opinion of the European Economic and Social Committee¹,

Acting in accordance with the procedure laid down in Article 251 of the Treaty²,

Whereas:

- (1) The internal market comprises an area without internal frontiers in which the free movement of goods, persons, services and capital must be ensured. To that end a comprehensive Community type-approval system for motor vehicles, established by Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 on 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")³, is in place.
- (2) This Regulation is a new separate Regulation in the context of the Community type-approval procedure under Directive 2007/46/EC. Therefore, *Annexes IV, VI, XI and XV* to that Directive should be amended accordingly.
- (3) ***This Regulation is without prejudice to the whole vehicle single-step and mixed type-approval procedure set out in Article 6 of Directive 2007/46/EC.***
- (4) The technical requirements for the type-approval of motor vehicles with regard to numerous safety and environmental elements have been harmonised at Community level in order to avoid requirements that differ from one Member State to another, and to ensure a high level of road safety and environmental protection throughout the Community.
- (5) ***Therefore, this Regulation also aims at enhancing the competitiveness of the European automotive industry whilst enabling Member States to exercise effective market***

¹ Opinion of 14 January 2009 (not yet published in the Official Journal).

² Position of the European Parliament of 10 March 2009.

³ OJ L 263, 9.10.2007, p. 1.

surveillance for compliance with the detailed type-approval requirement of this Regulation as regards the placing on the market of the products concerned.

- (6) It is appropriate to set out requirements on both the general safety of motor vehicles and the environmental performance of tyres, due to the availability of Tyre Pressure Monitoring Systems which enhance at the same time the safety and environmental performance of tyres.
- (7) Following the request of the European Parliament, a new regulatory approach has been introduced in the Community vehicle legislation. This Regulation should therefore lay down only fundamental provisions on vehicle safety and CO₂ and noise emissions from tyres whereas the technical specifications should be laid down by implementing measures adopted in accordance with Council Decision 1999/468/EC of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission¹.
- (8) In particular the Commission should be empowered to establish the specific procedures, tests and requirements for the type-approval of motor vehicles, components and separate technical units **■**; to define more precisely the characteristics a tyre must fulfil to be defined as ***"snow tyre", "traction tyre", "special use tyre", "off-road professional tyre", "reinforced" or "extra load tyre"***; to set out specific safety requirements for vehicles intended for the transport of dangerous goods by road within or between Member States; to exempt certain vehicles or classes of vehicles within categories M₂, M₃, N₂ and N₃ from the obligation to install Advanced Emergency Braking Systems and/or Lane departure Warning Systems; to establish rules on the procedure for the determination of noise levels of tyres; to amend the limit values on rolling resistance and rolling noise for tyres as a result of changes in the test procedures, without lowering the existing ambition level with regard to the environment; to shorten the sell-off period for tyres not complying with the new requirements set out in this Regulation and in its implementing measures, and to amend Annex IV to include the UNECE Regulations which are made mandatory according to Article 4(4) of Council Decision 97/836/EC 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 prescriptions². Since those measures are of **||** general scope and are designed to amend ***non-essential elements*** of this Regulation, ***inter alia*** by supplementing it with new non-essential elements, they must be adopted in accordance with the regulatory procedure with scrutiny provided for in Article 5a of Decision 1999/468/EC.
- (9) ***In addition to the ongoing Commission initiative which aims to define a road grading system, the Commission should, within 12 months of the entry into force of this Regulation, bring forward a proposal on the classification of EU roads according to noise generation that will complement noise mapping in motor vehicle transportation with a view to fixing appropriate priorities and road surface requirements and setting maximum road noise generation limits.***

¹ OJ L 184, 17.7.1999, p. 23. **||**

² OJ L 346, 17.12.1997, p. 78.

- (10) Technical progress in the area of advanced vehicle safety systems offers new possibilities for casualty reduction. In order to maximise the number of casualties saved it is necessary to foresee the introduction of some of these technologies.
- (11) ***The mandatory and consistent use of state-of-the art tyre manufacturing technologies and low rolling resistance tyres will be essential for reducing the share of greenhouse gas emissions of road traffic in the transport sector, while at the same time promoting innovation, employment and the competitiveness of the European automotive industry.***
- (12) In order to simplify the type-approval legislation in line with the recommendations of the Report CARS 21: A Competitive Automotive Regulatory System for the 21st century¹, it is appropriate to repeal several Directives without reducing the level of protection of road users. The requirements set out in those Directives should be carried over to this Regulation and should be replaced, where appropriate, with references to the corresponding regulations of the United Nations Economic Commission for Europe (UNECE), as incorporated into Community law in accordance with Article 4 of **|| Decision 97/836/EC ||**. ***To reduce the administrative burden of the type-approval process it is appropriate to allow vehicle manufacturers to type-approve in accordance with this Regulation, where appropriate, directly by means of obtaining approval to the relevant UNECE Regulation as listed in Annex IV of this Regulation.***
- (13) It is appropriate to establish the principle that vehicles must be designed, constructed and assembled so as to minimise the risk of injury to the vehicle occupants and to other road users. For this purpose, it is necessary that manufacturers ensure that vehicles comply with the relevant requirements set out in this Regulation ***and in its implementing measures***. These provisions should include, but not be limited to, requirements relating to vehicle structural integrity, systems to aid the driver's control of the vehicle, systems to provide the driver with visibility and information on the state of the vehicle and the surrounding area, vehicle lighting systems, vehicle occupant protection systems, the vehicle exterior and accessories, vehicle masses and dimensions, vehicle tyres ***and*** advanced vehicle systems and miscellaneous items. In addition, it is necessary that vehicles comply with specific provisions relating to certain goods vehicles and their trailers, or specific provisions relating to buses, as the case may be.
- (14) The timetable for the introduction of specific new requirements for the type-approval of vehicles should take into account the technical feasibility of those requirements. In general, the requirements should initially apply only to new types of vehicle. Existing types of vehicle should be allowed an additional time period to comply with the requirements. Furthermore, mandatory installation of Tyre Pressure Monitoring Systems should initially apply only to passenger cars. Mandatory installation of other advanced safety features should initially apply only to heavy goods vehicles.
- (15) ***The Commission should continue to assess the technical and economic feasibility and market maturity of other advanced safety features, and carry out a review, with possible revision of this Regulation, if appropriate, by 1 December 2012, and every three years thereafter.***

¹ ISBN 92-79-00762-9.

- (16) *The Commission should assess the feasibility of extending mandatory installation of Tyre Pressure Monitoring Systems and Lane Departure Warning Systems and Advanced Emergency Braking Systems to other categories of vehicle and, if appropriate, propose an amendment to this Regulation.*
- (17) *The Commission should assess the feasibility of strengthening the requirements for wet grip for tyres, and if appropriate, propose an amendment to this Regulation. Member States should ensure effective market surveillance.*
- (18) *The full potential of increasing safety, reducing CO₂ emissions and lowering traffic noise can only be achieved in combination with a labelling scheme aimed at informing the consumer on the various performances of tyres.*
- (19) It is appropriate to implement the measures announced in the Communication from the Commission to the Council and the European Parliament "Results of the review of the Community Strategy to reduce CO₂ emissions from passenger cars and light-commercial vehicles"¹ aimed at reducing CO₂ emissions from tyres. This reduction should be achieved through a combination of low rolling resistance tyres and the use of Tyre Pressure Monitoring Systems. At the same time, it is also appropriate to set out requirements aimed at reducing tyre-road noise and ensuring that tyre safety levels are maintained through the introduction of wet grip requirements. The related implementation timetable should reflect the degree of challenge in meeting all of those requirements. In particular, due to the challenge in meeting the requirements on rolling noise and taking into account the time needed by industry for replacing existing lines of tyres, it is appropriate to provide for a longer period for implementation of rolling noise requirements with regard to new tyres of existing types.
- (20) Some categories of tyres, including professional off-road tyres which are subject to a speed restriction and tyres intended only for vehicles registered before 1990, are likely to be produced in very small quantities. Therefore, it is appropriate to exempt tyres in such categories from certain requirements set out in this Regulation **and in its implementing measures**, where such requirements are incompatible with the use of the tyres, or where the additional burden caused by these requirements is disproportionate.
- (21) *With regard to retreaded tyres, the Commission should make a proper assessment of this business sector, involving all stakeholders, and evaluate if there is any need for an evolution of the actual regulatory regime.*
- (22) *It is appropriate to establish allowances with regard to some of the rolling resistance or rolling noise limit values for certain specific categories of tyres, to take into account their design or performance characteristics. In particular, it is appropriate to establish such allowances for tyres designed to have improved traction and braking performance in severe snow conditions.*
- (23) *Special Use tyres are used on vehicles accessing construction logging and mining sites and are therefore primarily designed to give better performance off-road than tyres intended for road use only. To achieve this performance they are constructed from materials that enable them to better resist damage than normal tyres and have a block*

¹ COM(2007)0019.

tread pattern. As both of these essential design features cause them to generate more noise, they should be permitted to be louder than normal tyres.

- (24) *Electronic Stability Control Systems, Advanced Emergency Braking Systems and Lane Departure Warning Systems have a high potential to produce considerable casualty reductions. Therefore requirements for such systems should be established **by the Commission in line with UNECE regulations for those vehicle categories in which their application is appropriate and for which it is demonstrated that they will improve the overall level of safety. Sufficient lead time until implementation should be provided to allow for implementation measures to be completed and subsequently for development and in-vehicle application of these complex technologies.***
- (25) *With effect from 2011 for new type approvals and from 2014 for new vehicles, the implementation deadlines for the mandatory fitting of electronic stability control systems on heavy duty vehicles should follow the dates set out in this Regulation.*
- (26) *Until Electronic Stability Control Systems are introduced, the Commission should take measures and run campaigns to provide information on their effectiveness and to promote their sale. In addition, the Commission should watch price developments to ascertain that the price of new cars is not being disproportionately increased as a result of equipping them to meet new safety standards.*
- (27) *Future measures proposed on the basis of this Regulation or procedures to be implemented in application of it should comply with the principles set out by the Commission in its communication on a Competitive Automotive Regulatory framework for the 21st Century. In particular, for the purposes of better regulation and simplification and in order to avoid constant updating of existing Community legislation on issues of technical specifications, this Regulation should make references to existing international standards and regulations without reproducing them in the Community legal framework.*
- (28) It is important that replacement components for systems which are covered by this Regulation are subject to equivalent safety requirements and approval procedures. Therefore it is appropriate to provide for the approval of replacement components and separate technical units.
- (29) The Member States should lay down rules on penalties applicable to infringements of the provisions of this Regulation and ensure that they are implemented. Those penalties should be effective, proportionate and dissuasive.
- (30) *This Regulation relates to Regulation (EC) No 715/2007 of the European Parliament and of the Council of 20 June 2007 on type approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information¹, as supplemented by Regulation (EC) No .../2009 of the European Parliament and of the Council of ... [setting emission performance standards for new passenger cars as part of the Community's integrated approach to reduce CO₂ emissions from light-duty vehicles]². In particular, the*

¹ OJ L 171, 29.6.2007, p. 1.

² OJ L ...

measures of this Regulation regarding CO₂ emissions reductions should be linked as far as possible to the additional measures for achieving the further 10g CO₂ reductions on the base 130g CO₂ emissions target.

- (31) *The Commission should in due course propose, as a more integrated approach, further amendments to this Regulation or other proposals pursuant to a comprehensive impact assessment which addresses all possible additional measures aimed at achieving the desired CO₂ emissions targets and which covers other available technologies on the market, including tyre pressure retention technologies, improvement to road surfaces and any other relevant new technology, as well as requirements regarding air conditioning efficiency, which already do have or could have a clear effect on tyre rolling resistance and/or vehicle fuel economy and CO₂ emissions.*
- (32) *A coherent and comprehensive approach should be implemented to address the problem of road noise. With respect to the significant contribution of road surfaces to road noise, ISO 10844 is currently being revised and should be considered in this context with the objective of further optimising road surfaces in the EU. Member States should invest more under the existing ISO standards to improve their road surfaces. Furthermore a comprehensive noise emissions policy covering all transport systems should be developed covering aviation and rail noise in addition to road transport noise.*
- (33) With effect from the dates of application to new vehicles, new components and separate technical units of the relevant requirements set out in this Regulation, the following Council Directives should be repealed:
- Council Directive 70/221/EEC of 20 March 1970 on the approximation of the laws of the Member States relating to fuel tanks and rear underrun protection of motor vehicles and their trailers¹,
 - Council Directive 70/222/EEC of 20 March 1970 on the approximation of the laws of the Member States relating to the space for mounting and the fixing of rear registration plates on motor vehicles and their trailers²,
 - Council Directive 70/311/EEC of 8 June 1970 on the approximation of the laws of the Member States relating to the steering equipment for motor vehicles and their trailers³,
 - Council Directive 70/387/EEC of 27 July 1970 on the approximation of the laws of the Member States relating to the doors of motor vehicles and their trailers⁴,
 - Council Directive 70/388/EEC of 27 July 1970 on the approximation of the laws of the Member States relating to audible warning devices for motor vehicles⁵,

¹ OJ L 76, 6.4.1970, p. 23. ||

² OJ L 76, 6.4.1970, p. 25. ||

³ OJ L 133, 18.6.1970, p. 10. ||

⁴ OJ L 176, 10.8.1970, p. 5. ||

⁵ OJ L 176, 10.8.1970, p. 12. ||

- Council Directive 71/320/EEC of 26 July 1971 on the approximation of the laws of the Member States relating to the braking devices of certain categories of motor vehicles and of their trailers¹,
- Council Directive 72/245/EEC of 20 June 1972 relating to the radio interference (electromagnetic compatibility) of vehicles²,
- Council Directive 74/60/EEC of 17 December 1973 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles³,
- Council Directive 74/61/EEC of 17 December 1973 on the approximation of the laws of the Member States relating to devices to prevent the unauthorized use of motor vehicles⁴,
- Council Directive 74/297/EEC of 4 June 1974 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles (the behaviour of the steering mechanism in the event of an impact)⁵,
- Council Directive 74/408/EEC of 22 July 1974 relating to motor vehicles with regard to the seats, their anchorages and head restraints⁶,
- Council Directive 74/483/EEC of 17 September 1974 on the approximation of the laws of the Member States relating to the external projections of motor vehicles⁷,
- Council Directive 75/443/EEC of 26 June 1975 on the approximation of the laws of the Member States relating to the reverse and speedometer equipment of motor vehicles⁸,
- Council Directive 76/114/EEC of 18 December 1975 on the approximation of the laws of the Member States relating to statutory plates and inscriptions for motor vehicles and their trailers, and their location and method of attachment⁹,
- Council Directive 76/115/EEC of 18 December 1975 on the approximation of the laws of the Member States relating to anchorages for motor-vehicle safety belts¹⁰,
- Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the installation of lighting and light-signalling devices on motor vehicles and their trailers¹¹,

¹ OJ L 202, 6.9.1971, p. 37. ||
² OJ L 152, 6.7.1972, p. 15. ||
³ OJ L 38, 11.2.1974, p. 2. ||
⁴ OJ L 38, 11.2.1974, p. 22. ||
⁵ OJ L 165, 20.6.1974, p. 16. ||
⁶ OJ L 221, 12.8.1974, p. 1. ||
⁷ OJ L 266, 2.10.1974, p. 4. ||
⁸ OJ L 196, 26.7.1975, p. 1. ||
⁹ OJ L 24, 30.1.1976, p. 1. ||
¹⁰ OJ L 24, 30.1.1976, p. 6. ||
¹¹ OJ L 262, 27.9.1976, p. 1. ||

- Council Directive 76/757/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to retro-reflectors for motor vehicles and their trailers¹,
- Council Directive 76/758/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps for motor vehicles and their trailers²,
- Council Directive 76/759/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to direction indicator lamps for motor vehicles and their trailers³,
- Council Directive 76/760/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the rear registration plate lamps for motor vehicles and their trailers⁴,
- Council Directive 76/761/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to motor vehicle headlamps which function as main-beam and/or dipped-beam headlamps and to light sources (filament lamps and others) for use in approved lamp units of motor vehicles and of their trailers⁵,
- Council Directive 76/762/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to front fog lamps for motor vehicles⁶,
- Council Directive 77/389/EEC of 17 May 1977 on the approximation of the laws of the Member States relating to motor-vehicle towing-devices⁷,
- Council Directive 77/538/EEC of 28 June 1977 on the approximation of the laws of the Member States relating to rear fog lamps for motor vehicles and their trailers⁸,
- Council Directive 77/539/EEC of 28 June 1977 on the approximation of the laws of the Member States relating to reversing lamps for motor vehicles and their trailers⁹,
- Council Directive 77/540/EEC of 28 June 1977 on the approximation of the laws of the Member States relating to parking lamps for motor vehicles¹⁰,
- Council Directive 77/541/EEC of 28 June 1977 on the approximation of the laws of the Member States relating to safety belts and restraint systems of motor vehicles¹,

¹ OJ L 262, 27.9.1976, p. 32. ||
² OJ L 262, 27.9.1976, p. 54. ||
³ OJ L 262, 27.9.1976, p. 71. ||
⁴ OJ L 262, 27.9.1976, p. 85. ||
⁵ OJ L 262, 27.9.1976, p. 96. ||
⁶ OJ L 262, 27.9.1976, p. 122. ||
⁷ OJ L 145, 13.6.1977, p. 41. ||
⁸ OJ L 220, 29.8.1977, p. 60. ||
⁹ OJ L 220, 29.8.1977, p. 72. ||
¹⁰ OJ L 220, 29.8.1977, p. 83. ||

- Council Directive 77/649/EEC of 27 September 1977 on the approximation of the laws of the Member States relating to the field of vision of motor vehicle drivers²,
- Council Directive 78/316/EEC of 21 December 1977 on the approximation of the laws of the Member States relating to the interior fittings of motor vehicles (identification of controls, tell-tales and indicators)³,
- Council Directive 78/317/EEC of 21 December 1977 on the approximation of the laws of the Member States relating to the defrosting and demisting systems of glazed surfaces of motor vehicles⁴,
- Council Directive 78/318/EEC of 21 December 1977 on the approximation of the laws of the Member States relating to the wiper and washer systems of motor vehicles⁵,
- Council Directive 78/549/EEC of 12 June 1978 on the approximation of the laws of the Member States relating to the wheel guards of motor vehicles⁶,
- Council Directive 78/932/EEC of 16 October 1978 on the approximation of the laws of the Member States relating to head restraints of seats of motor vehicles⁷,
- Council Directive 89/297/EEC of 13 April 1989 on the approximation of the laws of the Member States relating to the lateral protection (side guards) of certain motor vehicles and their trailers⁸,
- Council Directive 91/226/EEC of 27 March 1991 on the approximation of the laws of the Member States relating to the spray-suppression systems of certain categories of motor vehicles and their trailers⁹,
- Council Directive 92/21/EEC of 31 March 1992 on the masses and dimensions of motor vehicles of category M₁¹⁰,
- Council Directive 92/22/EEC of 31 March 1992 on safety glazing and glazing materials on motor vehicles and their trailers¹¹,
- Council Directive 92/23/EEC of 31 March 1992 relating to tyres for motor vehicles and their trailers and to their fitting¹²,

¹ OJ L 220, 29.8.1977, p. 95. ||

² OJ L 267, 19.10.1977, p. 1. ||

³ OJ L 81, 28.3.1978, p. 3. ||

⁴ OJ L 81, 28.3.1978, p. 27.

⁵ OJ L 81, 28.3.1978, p. 49. ||

⁶ OJ L 168, 26.6.1978, p. 45. ||

⁷ OJ L 325, 20.11.1978, p. 1. ||

⁸ OJ L 124, 5.5.1989, p. 1.

⁹ OJ L 103, 23.4.1991, p. 5. ||

¹⁰ OJ L 129, 14.5.1992, p. 1. ||

¹¹ OJ L 129, 14.5.1992, p. 11. ||

¹² OJ L 129, 14.5.1992, p. 95. ||

- Council Directive 92/24/EEC of 31 March 1992 relating to speed limitation devices or similar speed limitation on-board systems of certain categories of motor vehicles¹,
- Council Directive 92/114/EEC of 17 December 1992 relating to the external projections forward of the cab's rear panel of motor vehicles of category N².

(34) In addition, the following Directives of the European Parliament and of the Council should also be repealed:

- Directive 94/20/EC of the European Parliament and of the Council of 30 May 1994 relating to the mechanical coupling devices of motor vehicles and their trailers and their attachment to those vehicles³,
- Directive 95/28/EC of the European Parliament and of the Council of 24 October 1995 relating to the burning behaviour of materials used in the interior construction of certain categories of motor vehicle⁴,
- Directive 96/27/EC of the European Parliament and of the Council of 20 May 1996 on the protection of occupants of motor vehicles in the event of a side impact and amending Directive 70/156/EEC⁵,
- Directive 96/79/EC of the European Parliament and of the Council of 16 December 1996 on the protection of occupants of motor vehicles in the event of a frontal impact and amending Directive 70/156/EEC⁶,
- Directive 97/27/EC of the European Parliament and of the Council of 22 July 1997 relating to the masses and dimensions of certain categories of motor vehicles and their trailers and amending Directive 70/156/EEC⁷,
- Directive 98/91/EC of the European Parliament and of the Council of 14 December 1998 relating to motor vehicles and their trailers intended for the transport of dangerous goods by road and amending Directive 70/156/EEC relating to the type approval of motor vehicles and their trailers⁸,
- Directive 2000/40/EC of the European Parliament and of the Council of 26 June 2000 on the approximation of the laws of the Member States relating to the front underrun protection of motor vehicles and amending Council Directive 70/156/EEC⁹,

¹ OJ L 129, 14.5.1992, p. 154. ||

² OJ L 409, 31.12.1992, p. 17.

³ OJ L 195, 29.7.1994, p. 1. ||

⁴ OJ L 281, 23.11.1995, p. 1. ||

⁵ OJ L 169, 8.7.1996, p. 1.

⁶ OJ L 18, 21.1.1997, p. 7. ||

⁷ OJ L 233, 25.8.1997, p. 1. ||

⁸ OJ L 11, 16.1.1999, p. 25.

⁹ OJ L 203, 10.8.2000, p. 9. ||

- Directive 2001/56/EC of the European Parliament and of the Council of 27 September 2001 relating to heating systems for motor vehicles and their trailers, amending Council Directive 70/156/EEC and repealing Council Directive 78/548/EEC¹,
- Directive 2001/85/EC of the European Parliament and of the Council of 20 November 2001 relating to special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat, and amending Directives 70/156/EEC and 97/27/EC²,
- Directive 2003/97/EC of the European Parliament and of the Council of 10 November 2003 on the approximation of the laws of the Member States relating to the type-approval of devices for indirect vision and of vehicles equipped with these devices, amending Directive 70/156/EEC and repealing Directive 71/127/EEC³.

(35) The objectives of this Regulation, namely the realisation of the internal market through the introduction of common technical requirements concerning the safety and environmental performance of motor vehicles and tyres cannot be sufficiently achieved by the Member States. Due to the scale of the action required the objectives can be better achieved at a Community level. Therefore, the Community may adopt measures, in accordance with the principle of subsidiarity, as set out in Article 5 of the Treaty. In accordance with the principle of proportionality, as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve those objectives,

HAVE ADOPTED THIS REGULATION:

Chapter I

Subject matter, scope and definitions

Article 1

Subject matter

This Regulation establishes requirements for the type-approval of motor vehicles, their trailers, and of systems, components and separate technical units intended therefor, with regard to their safety.

This Regulation also establishes requirements 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.

¹ OJ L 292, 9.11.2001, p. 21. ||

² OJ L 42, 13.2.2002, p. 1. ||

³ OJ L 25, 29.1.2004, p. 1. ||

This Regulation also establishes requirements for the type-approval of *newly manufactured* tyres, with regard to their *safety and their rolling resistance performance* and *rolling* noise emissions.

Article 2

Scope

This Regulation shall apply to **■** vehicles of categories M, N and O *and their systems, components and separate technical units* as defined in 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;*
- (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; a vehicle of this class has seats and shall have provision for standing passengers;*
- (4) "Lane Departure Warning System" means a system to warn the driver of an 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 operated in conformity with the requirements governing utilization specified by the manufacturer;
- (7) "Tyre Pressure Monitoring System" means a system fitted on a vehicle, able to evaluate the pressure of the tyres or the variation of the pressure over time and to 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"** is a sub-group of special use tyre primarily used for servicing 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 more load than that of the corresponding standard tyre;
- (11) "Snow tyre" means a tyre whose tread pattern, tread compound or structure are 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 pressure higher than those established for standard and reinforced tyres;
- (13) "Traction tyre" means a tyre in categories C2 or C3 **bearing the inscription M+S or M.S. or M&S and** intended to be fitted to vehicle drive axle(s);
- (14) "Unprotected road user" means pedestrians, cyclists and motorcyclists;
- (15) **"Gear shift indicator" or "GSI"** means a visible indicator recommending to the driver to shift gears;
- (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 the way of its physical implementation. This definition does not cover systems where the driver can only preselect a certain gear shift strategy or limit the number of gears available for driving, but the actual gear shifts are initiated independently from 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 in the Community are type-approved in accordance with this Regulation **and its implementing measures**.
2. **Manufacturers may choose to apply for the type-approval of the vehicle with regard to all the systems, and the installation of all the components and separate technical units covered by this Regulation or for the type-approval of the vehicle 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* separate technical units, *systems* or components which are sold or put into service in the Community are type-approved in accordance with this Regulation *and its implementing measures*.

Article 5

Requirements and tests

1. Manufacturers shall ensure that vehicles are designed, constructed and assembled so as to minimise the risk of injury to the vehicle occupants and to 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 in 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;
 - (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 restraint, seat belts, ISOfix anchorages or built-in child restraints, vehicle doors;
 - (f) 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, systems, components and separate technical units intended therefor, as detailed in Annex I.*

Article 6

Specific requirements relating to certain vehicles in 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 in 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 in 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 in 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.
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 in category N₂ and all category N₃, O₃ and O₄ vehicles shall be constructed so as to minimise the effect of spray emissions from the vehicle on the visibility from other vehicles on the road.

Article 7

Specific requirements relating to vehicles in 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 in 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 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 egress 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 avoid or at least retard development of flames in order to allow occupants to evacuate the vehicle in the event of fire.

Article 8

Classification of tyres

1. Types of tyres shall be classified according to the following classes:
 - (a) Class C1 tyres - tyres **designed primarily** for vehicles of category M₁, N₁, O₁ and O₂;
 - (b) Class C2 tyres - tyres **designed primarily** for vehicles of category M₂, M₃, N, O₃ and O₄ with load capacity index in single formation ≤ 121 and speed category symbol \geq 'N';
 - (c) Class C3 tyres - tyres **designed primarily** for vehicles of category M₂, M₃, N, O₃ and O₄ with one of the following load capacity indices:
 - (i) load capacity index in single formation ≤ 121 and speed category symbol \leq 'M';
 - (ii) load capacity index in single formation ≥ 122 .

A tyre type may be classified in more than one of classes set out in points (a), (b) and (c), provided that the tyre type meets all the relevant requirements of each class to which it is approved.

2. The list of load-capacity indices and their corresponding masses contained in UNECE **Regulations No 54¹ and No 30** 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, their speed and load performance characteristics.

¹ OJ ...

2. Vehicles in *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, which is 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;
 - (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 on 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 the exemption or derogations established in accordance with Article 15(3)(a),*** vehicles in *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 the exemptions or derogations established in accordance with Article 15(3)(a),*** vehicles in *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 in 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 paragraph 4.2 and 4.3 of Annex III, section A of Directive 2007/46/EC, vehicles in the categories listed below shall be equipped with an Electronic Stability Control System meeting the requirements of this Regulation and its implementing measures:*
 - (a) vehicles in categories M₂ and M₃, except for those with more than 3 axles, articulated buses and coaches, and buses in Class I or Class A;*
 - (b) vehicles in categories N₂ and N₃ except for those with more than 3 axles, tractors for semi-trailers with a gross vehicle mass between 3.5 and 7.5 tonnes, and special purpose vehicles as defined in paragraphs 5.7 and 5.8 of Annex III, section A, of Directive 2007/46/EC;*
 - (c) vehicles in categories 03 and 04 equipped with air suspension, except for those with more than 3 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 vehicles of the categories M₁ and N₁, which do not comply with the relevant provisions of 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 M₂, M₃, N₂, N₃, O₃ and O₄ vehicles, which do not comply with the relevant provisions of this Regulation and its implementing measures.

With effect from ***1 November 2012*** national authorities shall refuse, on grounds relating to the areas of vehicle safety and tyres covered in ***Articles 5 to 8, 9 (2) and 11***, to grant 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, and to grant EC component/separate technical unit type-approval with respect to new types of components or separate technical units intended therefor || which do not comply with the relevant provisions of this Regulation ***and its implementing measures.***

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 with respect to new types of tyres which do not comply with the relevant provisions of this Regulation and its implementing measures.

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.

2. ***Following the implementation dates set out in Table 2 of Annex V, national authorities shall, on grounds relating to Electronic Stability Control systems, in the case of new vehicles of the categories M₂, M₃, N₂, N₃, O₃ and O₄ which do not comply with the relevant provisions of the Regulation and its implementing measures, consider certificates of conformity 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.***

3. With effect from **1 November 2014** national authorities shall, on grounds relating to the areas of vehicle safety and tyres covered in Articles 5, 6, 7, 8, Article 9(1) to (4), **Articles 11 and 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*, in the case of new vehicles of the categories specified in those Articles which do not comply with the relevant provisions of this Regulation **and its implementing measures**, consider certificates of conformity 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 and, in the case of new components or separate technical units intended therefor which do not comply with the relevant provisions of this Regulation **and its implementing measures**, shall prohibit their sale and entry into service.
4. With effect from **1 November 2016** national authorities shall, on grounds relating to tyre rolling noise and, with respect to 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*, in the case of new vehicles of the categories M, N and O which do not comply with the relevant provisions of this Regulation **and its implementing measures**, consider certificates of conformity 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 and, in the case of new tyres intended therefor which do not comply with the relevant provisions of this Regulation **and its implementing measures**, shall prohibit their sale and entry into service.
5. 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 with respect to 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*.
6. **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 the 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.**
7. With effect from **1 November 2018** national authorities shall, 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**, in the case of new vehicles of the categories M, N and O which do not comply with **this Regulation and its implementing measures**, consider certificates of conformity 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 and, in the case of new tyres intended therefor which do not comply with the rolling resistance limit values set out in table 2 of Part B of *Annex II*, shall prohibit their sale and entry into service.
8. With effect from **1 November 2020** national authorities shall, on grounds relating to **the** rolling resistance **limit values** of C3 tyres **set out in Table 2 of Part B of Annex II**, in the case of new vehicles of the categories M, N and O which do not comply with **this Regulation and its implementing measures**, consider certificates of conformity 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 and, in the case of new tyres intended therefor which do not comply with the rolling resistance limit values set out in table 2 of Part B of *Annex II*, shall prohibit their sale and entry into service.

9. ***C1, C2 and C3 tyres that were manufactured prior to the dates set out in paragraphs 2, 3, 5 and 6 and which do not comply with the requirements of Annex II may be sold for a period not exceeding 30 months from the dates set out in paragraphs 2, 3, 5 and 6.***
10. 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 ■ which do not comply with the relevant provisions of this Regulation ***and its implementing measures.***
11. With effect from ***1 November 2015*** national authorities shall, on grounds relating to vehicle safety covered in Article 10, in the case of new vehicles of categories M₂, M₃, N₂ and N₃ ■ which do not comply with the relevant provisions of this Regulation ***and its implementing measures***, consider certificates of conformity 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 ■ .
12. National authorities shall permit the sale and entry into service of ***vehicles***, components and separate technical units type-approved before the ***dates*** mentioned in paragraph 1 and shall 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 granted, unless the requirements applying to such ***vehicles***, components or separate technical units have been modified and/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 shall 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 date mentioned in paragraph 1, under the terms of the Directive under which they were originally granted.

13. Without prejudice to paragraphs 1 to 9, and subject to entry into force of the implementing measures referred to in ***Article 15***, 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*** 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, or 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 the requirements set out in this Regulation ***and in its implementing measures.***

Article 14

Penalties

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 must be effective, proportionate and dissuasive. Member States shall notify those provisions to the Commission no later than eighteen months after entry into force of this Regulation ***or, as appropriate, of the relevant implementing measure*** and shall notify it without delay of any subsequent amendment affecting them.
2. The types of infringements which are subject to a penalty shall include:

 - (a) making false declarations during the approval procedures or procedures 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.

Chapter IV

Final provisions

Article 15

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, components and separate technical units with regard*** to the provisions of ***Articles 5 to 12;***
 - (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 Regulation UNECE 105;***
 - (c) a more precise definition of the ***physical*** characteristics ***and performance requirements*** a tyre must fulfil to be defined as ***"snow tyre", "traction tyre", "special use tyre", "off-road professional tyre", "reinforced tyre", and "extra load tyre" in accordance with points 8, 9, 10, 11, 12 and 13 of Article 3(2);***
 - (d) ***provisions amending Annex IV to include the UNECE Regulations that are made mandatory according to Article 4(4) of Decision 97/836/EC;***
 - (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) ***amendments to the limit values on rolling resistance and rolling noise laid down in Parts B and C of Annex II in so far as necessary as a result of changes in the***

test procedures, and without lowering the existing ambition level with regard to the environment.

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) *by way of derogation from Article 10(1) and (2), providing exemptions for certain vehicles or classes of vehicles within categories M₂, M₃, N₂ and N₃ from the obligation to install the advanced vehicle systems referred to therein 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 the class of vehicles concerned;*
 - (b) *by 31 December 2010, and on the basis of a cost/benefit analysis, shortening the period laid down in Article 13(9), which may be differentiated according to the class or category of the 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 16(2).*

Article 16

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.*

Article 17

Reporting

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

Article 18

Amendments to Directive 2007/46/EC

Annexes IV, VI, and XI **and XV** to Directive 2007/46/EC are 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 are repealed with effect from **1 November 2014**.
2. Directive 92/23/EEC is 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 twentieth day following that of its publication in the Official Journal of the European Union.

It shall apply from **1 November 2011**.

However, **Articles 13(13)** and **15** and points 1 (a) (iii), 1 (b) (iii), 1 (b) (iv), 2 (c), 3 (a) (iii), 3 (b) (iii), 3 (c) (iii), 3 (d) (iii), 3 (e) (iii) and 3 (f) (i) of *Annex III* shall apply from the date of entry into force. 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) (ii) of *Annex III* shall apply from **1 November 2014**. 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 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.

Done at ||

For the European Parliament

The President

For the Council

The President

ANNEX I

Scope of application of the requirements referred to in Article 5(1) and (2)

Subject	Applicability									
	<i>M</i>₁	<i>M</i>₂	<i>M</i>₃	<i>N</i>₁	<i>N</i>₂	<i>N</i>₃	<i>O</i>₁	<i>O</i>₂	<i>O</i>₃	<i>O</i>₄
<i>Fuel tanks/rear protective devices</i>	X	X	X	X	X	X	X	X	X	X
<i>Rear registration plate</i>	X	X	X	X	X	X	X	X	X	X
<i>Steering effort</i>	X	X	X	X	X	X	X	X	X	X
<i>Door latches and hinges</i>	X			X	X	X				
<i>Audible warning</i>	X	X	X	X	X	X				
<i>Indirect vision devices</i>	X	X	X	X	X	X				
<i>Braking</i>	X	X	X	X	X	X	X	X	X	X
<i>Radio interference (electromagnetic compatibility)</i>	X	X	X	X	X	X	X	X	X	X
<i>Interior fittings</i>	X									
<i>Anti-theft and immobiliser</i>	X	X	X	X	X	X				
<i>Protective steering</i>	X			X						
<i>Seat strength</i>	X	X	X	X	X	X				
<i>Exterior projections</i>	X									
<i>Speedometer</i>	X	X	X	X	X	X				
<i>Plates (statutory)</i>	X	X	X	X	X	X	X	X	X	X
<i>Seat belt anchorages</i>	X	X	X	X	X	X				
<i>Installation of lighting and light signalling devices</i>	X	X	X	X	X	X	X	X	X	X
<i>Retro reflectors</i>	X	X	X	X	X	X	X	X	X	X
<i>End-outline, front-position (side), rear-position (side), stop, side marker, daytime running lamps</i>	X	X	X	X	X	X	X	X	X	X
<i>Direction indicators</i>	X	X	X	X	X	X	X	X	X	X
<i>Rear registration plate lamps</i>	X	X	X	X	X	X	X	X	X	X
<i>Headlamps (including bulbs)</i>	X	X	X	X	X	X				
<i>Front fog lamps</i>	X	X	X	X	X	X				
<i>Towing hooks</i>	X	X	X	X	X	X				
<i>Rear fog lamps</i>	X	X	X	X	X	X	X	X	X	X
<i>Reversing lamps</i>	X	X	X	X	X	X	X	X	X	X
<i>Parking lamps</i>	X	X	X	X	X	X				
<i>Seat belts and restraint systems</i>	X	X	X	X	X	X				
<i>Forward vision</i>	X									

<i>Subject</i>	<i>Applicability</i>									
	<i>M₁</i>	<i>M₂</i>	<i>M₃</i>	<i>N₁</i>	<i>N₂</i>	<i>N₃</i>	<i>O₁</i>	<i>O₂</i>	<i>O₃</i>	<i>O₄</i>
<i>Identification of controls, tell-tales and indicators</i>	X	X	X	X	X	X				
<i>Defrost/demist</i>	X	(1)	(1)	(1)	(1)	(1)				
<i>Wash/wipe</i>	X	(2)	(2)	(2)	(2)	(2)				
<i>Heating systems</i>	X	X	X	X	X	X	X	X	X	X
<i>Wheel guards</i>	X									
<i>Head restraints</i>	X									
<i>Lateral protection</i>					X	X			X	X
<i>Spray-suppression systems</i>					X	X			X	X
<i>Safety glazing</i>	X	X	X	X	X	X	X	X	X	X
<i>Tyres</i>	X	X	X	X	X	X	X	X	X	X
<i>Speed limitation devices</i>		X	X		X	X				
<i>Masses and dimensions</i>	X	X	X	X	X	X	X	X	X	X
<i>External projections of cabs</i>				X	X	X				
<i>Couplings</i>	X (3)	X (3)	X (3)	X (3)	X (3)	X (3)	X	X	X	X
<i>Flammability</i>			X							
<i>Buses and coaches</i>		X	X							
<i>Frontal impact</i>	X (5)									
<i>Side impact</i>	X (6)			X (6)						
<i>Vehicles intended for the transportation of dangerous goods</i>				X (4)	X (4)	X (4)	X (4)	X (4)	X (4)	X (4)
<i>Front underrun protection</i>					X	X				

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 minus "H") indicating a maximum permissible speed not greater than 160 km/h	≥ 0.9
snow tyre with a speed symbol ("R" and above, plus "H") indicating a maximum permissible speed greater than 160 km/h	≥ 1.0
normal (road type) tyre	≥ 1.1

Part B – Rolling Resistance

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 category	Max value (kg/tonne) 1 st stage
C1	12
C2	10.5
C3	8.0

Table 2

Tyre category	Max value (kg/tonne) 2 nd stage
C1	10.5
C2	9
C3	6.5

For snow tyres the limits shall be increased by 1kg/tonne.

Part C – Rolling Noise

1. 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 rounded down to the nearest whole value.

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 tyres classified as snow tyre, extra load tyre and reinforced tyre, 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	Nominal section width (mm)	Limit values in dB(A)
C2	Normal	72
	Traction tyres	73
C3	Normal	73
	Traction tyres	75

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

ANNEX III

Amendments to Directive 2007/46/EC

Directive 2007/46/EC is amended as follows:

1. Part I of Annex IV is amended as follows:

(a) The table is amended as follows:

(i) Points 3 to 10, 12 to 38, 42 to 45 and 47 to 57 are deleted;

(ii) Point 46 is deleted;

(iii) The following point 63 is 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	[EC) No .../... number of this Regulation to be inserted]	[L ..., ..., p. ... reference to this Regulation to be inserted]	X	X	X	X	X	X	X	X	X	X

b) The Appendix II is amended as follows:

(i) Points 3 to 10, 12 to 37, 44, 45 and 50 to 54 of the table are deleted;

(ii) Point 46 of the table is deleted;

(iii) The following point 63 is added:

	Subject	Regulatory act reference	Official Journal reference	M ₁
63	General safety	[EC) No .../... number of this Regulation to be inserted]	[L ..., ..., p. ... reference to this Regulation to be inserted]	P/A

(iv) In the "key", the following text is added:

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

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

- (a) Points 3 to 10, 12 to 38, 42 to 45 and 47 to 57 are deleted;
- (b) Point 46 is deleted;
- (c) The following point 63 is added:

Subject	Regulatory act reference	Official Journal reference	As amended by	Applicable to versions
63. General safety	[EC) No .../... number of this Regulation to be inserted]	[L ..., ..., p. ... reference to this Regulation to be inserted]		

3. Annex XI is amended as follows:

- (a) In Appendix 1, the table is amended as follows:
 - (i) Points 3 to 10, 12 to 38, 44, 45 and 47 to 54 are deleted;
 - (ii) Point 46 is deleted;
 - (iii) The following point 63 is added:

Item	Subject	Regulatory act reference	$M_1 \leq 2\,500$ (¹) kg	$M_1 > 2\,500$ (¹) kg	M_2	M_3
63	General safety	[EC) No .../... number of this Regulation to be inserted]	P/A	P/A	P/A	P/A

- (b) In Appendix 2, the table is amended as follows:
 - (i) Points 3 to 10, 12 to 38, 42 to 45 and 47 to 57 are deleted;
 - (ii) Point 46 is deleted;
 - (iii) The following point 63 is 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

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	[EC) No .../... number of this Regulation to be inserted]	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 is amended as follows:

- (i) Points 3 to 10, 12 to 37, 44, 45 and 50 to 54 are deleted;
- (ii) Point 46 is deleted;
- (iii) The following point 63 is added:

Item	Subject	Regulatory act reference	M ₁
63	General safety	[EC) No .../... number of this Regulation to be inserted]	P/A

(d) In Appendix 4, the table is amended *as* follows:

- (i) Points 3 to 10, 13 to 36, 42 to 45 and 47 to 57 are deleted;
- (ii) Point 46 is deleted;
- (iii) The following point 63 is 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	[EC) No .../... number of this Regulation to be inserted]	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A	P/A

(e) In Appendix 5, the table is amended as follows:

- (i) Points 3 to 10, 12 to 36, 42 to 45 and 47 to 57 are deleted;
- (ii) Point 46 is deleted;
- (iii) The following point 58 is added:

Item	Subject	Regulatory act reference	Mobile crane of category N ₃
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Item	Subject	Regulatory act reference	Mobile crane of category N ₃
58	General safety	[EC) No .../... number of this Regulation to be inserted]	P/A

(f) "Meaning of letters" is amended as follows:

(i) Points C, U, W₅, and W₆ are deleted.

(ii) The following text is added:

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

4. Annex XV is amended as follows:

Point 46 in the table is deleted.

ANNEX IV

List of UNECE Regulations which apply on a compulsory basis

ANNEX V

Implementation dates of the Requirements for Electronic Stability Control Systems on Vehicles in Categories M₂, M₃, N₂, N₃, O₃ and O₄

Table 1 - Implementation dates for new types of vehicle

<i>Vehicle category</i>	<i>Implementation date</i>
<i>M₂</i>	<i>11 July 2013</i>
<i>M₃ (Class III)</i>	<i>1 November 2011</i>
<i>M₃ <16 tonnes (pneumatic transmission)</i>	<i>1 November 2011</i>
<i>M₃ (Class II and B (hydraulic transmission))</i>	<i>11 July 2013</i>
<i>M₃ (Class III) (hydraulic transmission)</i>	<i>11 July 2013</i>
<i>M₃ (Class III) (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2014</i>
<i>M₃ (Class II) (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2014</i>
<i>M₃ (other than above)</i>	<i>1 November 2011</i>
<i>N₂ (hydraulic transmission)</i>	<i>11 July 2013</i>
<i>N₂ (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2014</i>
<i>N₂ (other than above)</i>	<i>11 July 2012</i>
<i>N₃ (2 axle tractors for semi-trailers)</i>	<i>1 November 2011</i>
<i>N₃ (2 axle tractors for semi-trailers with pneumatic control transmission (ABS))</i>	<i>1 November 2011</i>
<i>N₃ (3 axles with electric control transmission (EBS))</i>	<i>1 November 2011</i>
<i>N₃ (2 and 3 axles with pneumatic control transmission (ABS))</i>	<i>11 July 2012</i>
<i>N₃ (other than above)</i>	<i>1 November 2011</i>
<i>O₃ (combined axle load between 3.5 - 7.5 tonnes)</i>	<i>11 July 2012</i>
<i>O₃ (other than above)</i>	<i>1 November 2011</i>
<i>O₄</i>	<i>1 November 2011</i>

Table 2 - Implementation dates for new vehicles

<i>Vehicle category</i>	<i>Implementation date</i>
<i>M₂</i>	<i>11 July 2015</i>
<i>M₃ (Class III)</i>	<i>1 November 2014</i>
<i>M₃ <16 tonnes (pneumatic transmission)</i>	<i>1 November 2014</i>
<i>M₃ (Class II and B (hydraulic transmission))</i>	<i>11 July 2015</i>
<i>M₃ (Class III) (hydraulic transmission)</i>	<i>11 July 2015</i>
<i>M₃ (Class III) (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2016</i>
<i>M₃ (Class II) (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2016</i>
<i>M₃ (other than above)</i>	<i>1 November 2014</i>
<i>N₂ (hydraulic transmission)</i>	<i>11 July 2015</i>
<i>N₂ (pneumatic control transmission and hydraulic energy transmission)</i>	<i>11 July 2016</i>
<i>N₂ (other than above)</i>	<i>1 November 2014</i>
<i>N₃ (2 axle tractors for semi-trailers)</i>	<i>1 November 2014</i>
<i>N₃ (2 axle tractors for semi-trailers with pneumatic control transmission (ABS))</i>	<i>1 November 2014</i>
<i>N₃ (3 axles with electric control transmission (EBS))</i>	<i>1 November 2014</i>
<i>N₃ (2 and 3 axles with pneumatic control transmission (ABS))</i>	<i>1 November 2014</i>
<i>N₃ (other than above)</i>	<i>1 November 2014</i>
<i>O₃ (combined axle load between 3.5 - 7.5 tonnes)</i>	<i>1 November 2014</i>
<i>O₃ (other than above)</i>	<i>1 November 2014</i>
<i>O₄</i>	<i>1 November 2014</i>