

II

(Non-legislative acts)

REGULATIONS

COMMISSION DELEGATED REGULATION (EU) 2022/1398

of 8 June 2022

amending Regulation (EU) 2019/2144 of the European Parliament and of the Council to take into account technical progress and regulatory developments concerning amendments to Vehicle Regulations adopted in the context of the United Nations Economic Commission for Europe

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EU) 2019/2144 of the European Parliament and of the Council of 27 November 2019 on type-approval requirements for motor vehicles and their trailers, and systems, components and separate technical units intended for such vehicles, as regards their general safety and the protection of vehicle occupants and vulnerable road users, amending Regulation (EU) 2018/858 of the European Parliament and of the Council and repealing Regulations (EC) No 78/2009, (EC) No 79/2009 and (EC) No 661/2009 of the European Parliament and of the Council and Commission Regulations (EC) No 631/2009, (EU) No 406/2010, (EU) No 672/2010, (EU) No 1003/2010, (EU) No 1005/2010, (EU) No 1008/2010, (EU) No 1009/2010, (EU) No 19/2011, (EU) No 109/2011, (EU) No 458/2011, (EU) No 65/2012, (EU) No 130/2012, (EU) 347/2012, (EU) No 351/2012, (EU) No 1230/2012 and (EU) 2015/166 ⁽¹⁾, and in particular Article 4(3) and (6) thereof,

Whereas:

- (1) Annex I to Regulation (EU) 2019/2144 lists, inter alia, UN Regulation No 14 ⁽²⁾, UN Regulation No 17 ⁽³⁾, UN Regulation No 29 ⁽⁴⁾, UN Regulation No 44 ⁽⁵⁾, UN Regulation No 45 ⁽⁶⁾, UN Regulation No 48 ⁽⁷⁾, UN Regulation

⁽¹⁾ OJ L 325, 16.12.2019, p. 1.

⁽²⁾ Regulation No 14 of the Economic Commission for Europe of the United Nations (UNECE) – Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages, ISOFIX anchorages systems, ISOFIX top tether anchorages and i-Size seating positions [2015/1406] (OJ L 218, 19.8.2015, p. 27).

⁽³⁾ Regulation No 17 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints (OJ L 230, 31.8.2010, p. 81).

⁽⁴⁾ Regulation No 29 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants of the cab of a commercial vehicle (OJ L 304, 20.11.2010, p. 21).

⁽⁵⁾ Regulation No 44 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles ('Child Restraint Systems') (OJ L 233, 9.9.2011, p. 95).

⁽⁶⁾ UN Regulation No 45 – Uniform provisions concerning the approval of headlamp cleaners and of power-driven vehicles with regard to headlamp cleaners [2020/575] (OJ L 136, 29.4.2020, p. 1).

⁽⁷⁾ Regulation No 48 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices (OJ L 323, 6.12.2011, p. 46).

No 80 ⁽⁸⁾, UN Regulation No 94 ⁽⁹⁾, UN Regulation No 95 ⁽¹⁰⁾, UN Regulation No 118 ⁽¹¹⁾, UN Regulation No 122 ⁽¹²⁾, UN Regulation No 126 ⁽¹³⁾, UN Regulation No 127 ⁽¹⁴⁾, UN Regulation No 135 ⁽¹⁵⁾, UN Regulation No 137 ⁽¹⁶⁾, UN Regulation No 141 ⁽¹⁷⁾ and UN Regulation No 142 ⁽¹⁸⁾. All those regulations have been amended by the World Forum for Harmonisation of Vehicle Regulations of the United Nations Economic Commission for Europe ('UNECE WP.29'). It is therefore appropriate that the list in Annex I to Regulation (EU) 2019/2144 is updated to reflect those amendments.

- (2) The UNECE WP.29 also adopted several new regulations, which the Union acceded to and apply on a compulsory basis. In particular, those are UN Regulation No 145 ⁽¹⁹⁾, UN Regulation No 148 ⁽²⁰⁾, UN Regulation No 149 ⁽²¹⁾, UN Regulation No 150 ⁽²²⁾, UN Regulation No 151 ⁽²³⁾, UN Regulation No 152 ⁽²⁴⁾, UN Regulation No 153 ⁽²⁵⁾, UN Regulation No 155 ⁽²⁶⁾, UN Regulation No 157 ⁽²⁷⁾, UN Regulation No 158 ⁽²⁸⁾, UN Regulation No 159 ⁽²⁹⁾, UN

⁽⁸⁾ Regulation No 80 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of seats of large passenger vehicles and of these vehicles with regard to the strength of the seats and their anchorages (OJ L 164, 30.6.2010, p. 18).

⁽⁹⁾ Regulation No 94 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision (OJ L 254, 20.9.2012, p. 77).

⁽¹⁰⁾ Regulation No 95 of the Economic Commission for Europe of the United Nations (UNECE) – Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a lateral collision [2015/1093] (OJ L 183, 10.7.2015, p. 91).

⁽¹¹⁾ Regulation No 118 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform technical prescriptions concerning the burning behaviour of materials used in the interior construction of certain categories of motor vehicles (OJ L 177, 10.7.2010, p. 263).

⁽¹²⁾ Regulation No 122 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform technical prescriptions concerning the approval of vehicles of categories M, N and O with regard to their heating systems (OJ L 164, 30.6.2010, p. 231).

⁽¹³⁾ UN Regulation No 126 – Uniform provisions concerning the approval of partitioning systems to protect passengers against displaced luggage, supplied as non-original vehicle equipment [2020/176] (OJ L 35, 7.2.2020, p. 37).

⁽¹⁴⁾ UN Regulation No 127 – Uniform provisions concerning the approval of motor vehicles with regard to their pedestrian safety performance [2020/638] (OJ L 154, 15.5.2020, p. 1).

⁽¹⁵⁾ UN Regulation No 135 – Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI) [2020/486] (OJ L 103, 3.4.2020, p. 12).

⁽¹⁶⁾ UN Regulation No 137 – Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system [2020/576] (OJ L 136, 29.4.2020, p. 18).

⁽¹⁷⁾ Regulation No 141 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to their Tyre Pressure Monitoring Systems (TPMS) [2018/1593] (OJ L 269, 26.10.2018, p. 36).

⁽¹⁸⁾ UN Regulation No 142 – Uniform provisions concerning the approval of motor vehicles with regard to the installation of their tyres [2020/242] (OJ L 48, 21.2.2020, p. 60).

⁽¹⁹⁾ UN Regulation No 145 – Uniform provisions concerning the approval of vehicles with regard to ISOFIX anchorage systems ISOFIX top tether anchorages and i-Size seating positions [2019/2142] (OJ L 324, 13.12.2019, p. 47).

⁽²⁰⁾ UN Regulation No 148 – Uniform provisions concerning the approval of light-signalling devices (lamps) for power-driven vehicles and their trailers [2021/1719] (OJ L 347, 30.9.2021, p. 123).

⁽²¹⁾ UN Regulation No 149 – Uniform provisions concerning the approval of road illumination devices (lamps) and systems for power-driven vehicles [2021/1720] (OJ L 347, 30.9.2021, p. 173).

⁽²²⁾ UN Regulation No 150 – Uniform provisions concerning the approval of retro-reflective devices and markings for power-driven vehicles and their trailers [2021/1721] (OJ L 347, 30.9.2021, p. 297).

⁽²³⁾ UN Regulation No 151 – Uniform provisions concerning the approval of motor vehicles with regard to the Blind Spot Information System for the Detection of Bicycles [2020/1596] (OJ L 360, 30.10.2020, p. 48).

⁽²⁴⁾ UN Regulation No 152 – Uniform provisions concerning the approval of motor vehicles with regard to the Advanced Emergency Braking System (AEBS) for M1 and N1 vehicles [2020/1597] (OJ L 360, 30.10.2020, p. 66).

⁽²⁵⁾ UN Regulation No 153 – Uniform provisions concerning the approval of vehicles with regard to fuel system integrity and safety of electric power train in the event of a rear-end collision [2021/386] (OJ L 82, 9.3.2021, p. 1).

⁽²⁶⁾ UN Regulation No 155 – Uniform provisions concerning the approval of vehicles with regards to cybersecurity and cybersecurity management system [2021/387] (OJ L 82, 9.3.2021, p. 30).

⁽²⁷⁾ UN Regulation No 157 – Uniform provisions concerning the approval of vehicles with regards to Automated Lane Keeping Systems [2021/389] (OJ L 82, 9.3.2021, p. 75).

⁽²⁸⁾ UN Regulation No 158 – Uniform provisions concerning the approval of devices for reversing motion and motor vehicles with regard to the driver's awareness of vulnerable road users behind vehicles [2021/828] (OJ L 184, 25.5.2021, p. 20).

⁽²⁹⁾ UN Regulation No 159 – uniform provisions concerning the approval of motor vehicles with regard to the Moving Off Information System for the Detection of Pedestrians and Cyclists [2021/829] (OJ L 184, 25.5.2021, p. 62).

Regulation No 161 ⁽³⁰⁾, UN Regulation No 162 ⁽³¹⁾ and UN Regulation No 163 ⁽³²⁾. It is therefore appropriate to include in Annex I to Regulation (EU) 2019/2144 references to those regulations.

- (3) UN Regulation No 0 on the International Whole Vehicle Type Approval ⁽³³⁾ was adopted in order to reduce barriers to trade between the UNECE Contracting Parties and to provide an increased level of certainty for vehicle manufacturers seeking recognition of their type-approval in those Contracting Parties. The Union is a Contracting Party applying UN Regulation No 0. In order to consider a Universal International Whole Vehicle Type Approval equivalent to an EU type-approval, the versions of the UN Regulations listed in Annex I to Regulation (EU) 2019/2144 should be taken into account.
- (4) Annex II to Regulation (EU) 2019/2144 contains the list of requirements with which vehicles, systems, components and separate technical units should comply with pursuant to Articles 4(5) and 5(3) of that Regulation. That Annex does, however, not contain references to the regulatory acts laying down the detailed technical requirements as regards advanced emergency braking systems with pedestrians and cyclists detection, pedestrian and cyclist collision warning systems, blind spot information systems, emergency lane-keeping assistance systems, reversing detection, emergency stop signal and event data recorders. It is therefore necessary to add references to the respective regulatory acts in that Annex.
- (5) Compliance with UN Regulation No 90 ⁽³⁴⁾ is compulsory for replacement brake lining assemblies, drum-brake linings, discs and drums for power-driven vehicles and their trailers. New replacement brake lining assemblies, drum-brake linings, discs and drums for existing types of vehicles with vehicle type-approval granted with regard to braking in accordance with UN Regulation No 13 ⁽³⁵⁾ or UN Regulation No 13-H ⁽³⁶⁾ before the date of application of Regulation (EU) 2019/2144, should be permitted to be made available on the market or entered into service in accordance with Annex I to that Regulation.
- (6) As of 1 September 2023, UN Regulation No 129 ⁽³⁷⁾ will replace UN Regulation No 44, thus, ceasing the possibility child restraint systems that are not built in motor vehicles to be type-approved under that Regulation. Additional time is necessary to allow for the production in stock and in the distribution channels to be sold out. Therefore, child restraint systems approved in accordance with UN Regulation No 44 before 1 September 2023, should be allowed to be made available on the market and entered into service until 1 September 2024.

⁽³⁰⁾ UN Regulation No 161 – Uniform provisions concerning the protection of motor vehicles against unauthorized use and the approval of the device against unauthorized use (by mean of a locking system) [2021/2274] (OJ L 470, 30.12.2021, p. 1).

⁽³¹⁾ UN Regulation No 162 – Uniform technical prescriptions concerning approval of immobilizers and approval of a vehicle with regard to its immobilizer [2021/2275] (OJ L 470, 30.12.2021, p. 23).

⁽³²⁾ UN Regulation No 163 – Uniform provisions concerning the approval of vehicle alarm system and approval of a vehicle with regard to its vehicle alarm system [2021/2276] (OJ L 470, 30.12.2021, p. 48).

⁽³³⁾ Regulation No 0 of the Economic Commission for Europe of the United Nations (UNECE) – Uniform provisions concerning the International Whole Vehicle Type Approval (IWVTA) [2018/780] (OJ L 135, 31.5.2018, p. 1).

⁽³⁴⁾ Regulation No 90 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers (OJ L 130, 28.5.2010, p. 19).

⁽³⁵⁾ Regulation No 13 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking [2016/194] (OJ L 42, 18.2.2016, p. 1).

⁽³⁶⁾ Regulation No 13-H of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of passenger cars with regard to braking [2015/2364] (OJ L 335, 22.12.2015, p. 1).

⁽³⁷⁾ Regulation No 129 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of enhanced Child Restraint Systems used on board of motor vehicles (ECRS) (OJ L 97, 29.3.2014, p. 21).

- (7) The provisions of UN Regulation No 13-H related to brake assists systems and electronic stability control systems were transferred to UN Regulation No 139 ⁽³⁸⁾ and UN Regulation No 140 ⁽³⁹⁾, whereas the provisions concerning braking were shifted to the 01 series of amendments to UN Regulation No 13-H. Given that the requirements for brake assists systems and electronic stability control systems remained unchanged, type-approvals granted in accordance with the original version of UN Regulation 13-H, and their extensions, should be considered equivalent to a type-approval granted to the original versions of UN Regulation No 139 and UN Regulation No 140.
- (8) The requirements with regard to child restraint anchorages were transferred without changes from the 07 series of amendments to UN Regulation No 14 to UN Regulation No 145. Therefore, type-approvals granted in accordance with UN Regulation No 14 should be considered equivalent to a type-approval granted to the original version of UN Regulation No 145.
- (9) The requirements with regard to safety of electric power train at rear-end collision were transferred without changes from the 03 series of amendments to UN Regulation No 34 to UN Regulation No 153. Therefore, type-approvals granted in accordance with UN Regulation No 34 should be considered equivalent to a type-approval granted to the original version of UN Regulation No 153.
- (10) The requirements with regard to tyre pressure monitoring were transferred without changes from the 02 series of amendments to UN Regulation No 64 ⁽⁴⁰⁾ to UN Regulation No 141. Therefore, type-approvals granted in accordance with UN Regulation No 64 should be considered equivalent to a type-approval granted to the original version of UN Regulation No 141.
- (11) Regulation (EU) 2019/2144 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

Article 1

Amendments to Regulation (EU) 2019/2144

Annexes I and II to Regulation (EU) 2019/2144 are amended in accordance with the Annex to this Regulation.

Article 2

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*.

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

Done at Brussels, 8 June 2022.

For the Commission
The President

Ursula VON DER LEYEN

⁽³⁸⁾ Regulation No 139 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of passenger cars with regard to Brake Assist Systems (BAS) [2018/1591] (OJ L 269, 26.10.2018, p. 1).

⁽³⁹⁾ Regulation No 140 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of passenger cars with regard to Electronic Stability Control (ESC) Systems [2018/1592] (OJ L 269, 26.10.2018, p. 17).

⁽⁴⁰⁾ Regulation No 64 of the Economic Commission for Europe of the United Nations (UN/ECE) – Uniform provisions concerning the approval of vehicles with regard to their equipment which may include: a temporary-use spare unit, run-flat tyres and/or a run-flat system, and/or a tyre pressure monitoring system (OJ L 310, 26.11.2010, p. 18).

ANNEX

Annexes I and II to Regulation (EU) 2019/2144 are amended as follows:

(1) Annex I is amended as follows:

(a) the row for UN Regulation Number 14 is replaced by the following:

'14	Safety-belt anchorages	09 series amendments	of	OJ L 324, 13.12.2019, p. 14.	M, N';
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(b) the row for UN Regulation Number 17 is replaced by the following:

'17	Seats, their anchorages and any head restraints	09 series amendments	of	OJ L 266, 18.10.2019, p. 1.	M, N';
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(c) the row for UN Regulation Number 29 is replaced by the following:

'29	Protection of the occupants of the cab of a commercial vehicle	03 series amendments	of	OJ L 283, 5.11.2019, p. 72.	N';
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(d) the rows for UN Regulation Numbers 44 and 45 are replaced by the following:

'44	Restraining devices for child occupants of power-driven vehicles ('Child Restraint Systems')	04 series amendments	of	OJ L 285, 1.9.2020, p. 1.	M, N
45	Headlamps cleaners	01 series amendments	of	OJ L 136, 29.4.2020, p. 1.	M, N';

(e) the row for UN Regulation Number 48 is replaced by the following:

'48	Installation of lighting and light-signalling devices on motor vehicles	07 series amendments	of	OJ L 347, 30.9.2021, p. 1.	M, N, O ^(c) ;
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(f) the row for UN Regulation Number 80 is replaced by the following:

'80	Seats of large passenger vehicles	03 series amendments	of	OJ L 266, 18.10.2019, p. 31.	M ₂ , M ₃ ;
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(g) the row for UN Regulation Number 90 is replaced by the following:

'90	Replacement brake lining assemblies, drum-brake linings and discs and drums for power-driven vehicles and their trailers	02 series amendments	of	OJ L 290, 16.11.2018, p. 54.	M, N, O ^(h) ;
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- (h) the rows for UN Regulation Numbers 94 and 95 are replaced by the following:

'94	Protection of occupants in the event of a frontal collision	04 series amendments	of	OJ L 392, 5.11.2021, p. 1.	M ₁ , N ₁
95	Protection of occupants in the event of a lateral collision	05 series amendments	of	OJ L 392, 5.11.2021, p. 62.	M ₁ , N ₁ ';

- (i) the row for UN Regulation Number 118 is replaced by the following:

'118	Fire resistance of interior materials in buses	03 series amendments	of	OJ L 48, 21.2.2020, p. 26.	M ₃ ';
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- (j) the row for UN Regulation Number 122 is replaced by the following:

'122	Heating systems of vehicles	Original version of the Regulation		OJ L 19, 24.1.2020, p. 42.	M, N, O';
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- (k) the rows for UN Regulation Numbers 126 and 127 are replaced by the following:

'126	Partitioning systems	Original version of the Regulation		OJ L 35, 7.2.2020, p. 37	M ₁
127	Pedestrian safety	02 series amendments	of	OJ L 154, 15.5.2020, p. 1.	M ₁ , N ₁ ';

- (l) the row for UN Regulation Number 135 is replaced by the following:

'135	Pole side impact	01 series amendments	of	OJ L 103, 3.4.2020, p. 12.	M ₁ , N ₁ ';
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- (m) the row for UN Regulation Number 137 is replaced by the following:

'137	Frontal full-width impact	02 series amendments	of	OJ L 392, 5.11.2021, p. 130.	M ₁ , N ₁ ';
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- (n) the rows for UN Regulation Numbers 141, 142 and 145 are replaced by the following:

'141	Tyre pressure monitoring systems	01 series amendments	of	OJ L 323, 13.9.2021, p. 1.	M, N, O
142	Tyre installation	01 series amendments	of	OJ L 293, 16.8.2021, p. 34.	M, N, O
145	Child restraint anchorages	Original version of the Regulation		OJ L 324, 13.12.2019, p. 47.	M ₁ , N ₁ ';

- (o) the following rows for UN Regulation Numbers 148, 149, 150, 151, 152, 153, 155, 157, 158, 159, 161, 162 and 163 are added:

148	Light signalling devices (LSD)	Original version of the Regulation	OJ L 347, 30.9.2021, p. 123.	M, N, O
149	Road illumination devices	Original version of the Regulation	OJ L 347, 30.9.2021, p. 173.	M, N, O
150	Retro-reflective devices (RRD)	Original version of the Regulation	OJ L 347, 30.9.2021, p. 297.	M, N, O
151	Blind Spot Information System for the Detection of Bicycles	Original version of the Regulation	OJ L 360, 30.10.2020, p. 48.	M ₂ , M ₃ , N ₂ , N ₃
152	Advanced Emergency Braking System (AEBS)	Original version of the Regulation	OJ L 360, 30.10.2020, p. 66.	M ₁ , N ₁
153	Safety of electric power train at rear-end collision	Original version of the Regulation	OJ L 82, 9.3.2021, p. 1.	M ₁ , N ₁
155	Cybersecurity and cybersecurity management system	Original version of the Regulation	OJ L 82, 9.3.2021, p. 30.	M, N, O
157	Automated Lane Keeping Systems (ALKS)	Original version of the Regulation	OJ L 82, 9.3.2021, p. 75.	M ₁
158	Devices for means of rear visibility or detection	Original version of the Regulation	OJ L 184, 25.5.2021, p. 20.	M, N
159	Moving Off Information Systems (MOIS)	Original version of the Regulation	OJ L 184, 25.5.2021, p. 62.	M ₂ , M ₃ , N ₂ , N ₃
161	Locking system	Original version of the Regulation	OJ L 470, 30.12.2021, p. 1.	M ₁ , N ₁
162	Immobiliser systems	Original version of the Regulation	OJ L 470, 30.12.2021, p. 23.	M ₁ , N ₁
163	Vehicle alarm system	Original version of the Regulation	OJ L 470, 30.12.2021, p. 48.	M ₁ , N ₁ '.

- (p) the following paragraph is added to the notes to the table:

'A Universal International Whole Vehicle Type Approval issued for a type of vehicles of category M₁ under UN Regulation No 0 (OJ L 135, 31.5.2018, p. 1), that includes type-approval under the UN Regulations concerned in the list in this Annex, shall be considered equivalent to an EU type-approval granted under this Regulation.'

- (q) the following explanatory note is added:

^(1b) UN Regulation No 90 shall apply for the purposes of making available on the market or entering into service of the following:

- (a) new replacement brake lining assemblies for vehicle types of the following categories:

- (i) categories M₁ with a permissible maximum laden mass not exceeding 3,5 tonnes, M₂ with a permissible maximum laden mass not exceeding 3,5 tonnes, N₁, O₁ and O₂, for which vehicle type-approval is granted in accordance with UN Regulations No 13 or No 13-H after 7 April 1998;
 - (ii) categories M₁ with a permissible maximum laden mass exceeding 3,5 tonnes, M₂ with a permissible maximum laden mass exceeding 3,5 tonnes, M₃, N₂, N₃, O₃ and O₄, for which vehicle type-approval is granted in accordance with UN Regulations No 13 or No 13-H after 1 November 2014;
- (b) new replacement brake discs and drums for vehicle types of the following categories:
- (i) categories M₁ and N₁, for which vehicle type-approval is granted in accordance with UN Regulations No 13 or No 13-H after 1 November 2016;
 - (ii) categories O₁ and O₂, for which vehicle type-approval is granted in accordance with UN Regulation No 13 after 1 November 2016;
- (c) new replacement brake discs for vehicle types of categories M₂, M₃, N₂, N₃, O₃ and O₄, for which vehicle type-approval is granted in accordance with UN Regulation No 13 after 1 November 2014;
- (d) new replacement brake drums for vehicle types of categories M₂, M₃, N₂, N₃, O₃ and O₄, for which vehicle type-approval is granted in accordance with UN Regulation No 13 after 1 November 2016.’.

(2) Annex II is amended as follows:

(a) the rows for requirements A8 and A9 are replaced by the following:

‘A8 Child restraint anchorages	UN Regulation No 145 ⁽⁷⁾		A	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾						
A9 Child restraint systems	UN Regulation No 44		A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾	A ⁽¹⁾					B ⁽⁸⁾	B ⁽⁸⁾ ;

(b) the row for requirement A18 is replaced by the following:

‘A18 Hydrogen system material qualification	Regulation (EU) 2021/535, Annex XIV		A	A	A	A	A	A						A;
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(c) the row for requirement A27 is replaced by the following:

‘A27 Rear impact	UN Regulation No 153 ⁽⁹⁾		B			B								;
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(d) the rows for requirements from B3 to B7 are replaced by the following:

‘B3 Frontal protection system	Regulation (EU) 2021/535, Annex XII		X			X							A	
B4 Advanced emergency braking for pedestrian and cyclist	UN Regulation No 152		C			C								

B5 Pedestrian and cyclist collision warning	UN Regulation No 159			B	B		B	B					B	
B6 Blind spot information system	UN Regulation No 151			B	B		B	B					B	
B7 Reversing detection	UN Regulation No 158		B	B	B	B	B	B					B	;

(e) the rows for requirements B11 and B12 are replaced by the following:

B11 Defrost/demist	Regulation (EU) 2021/535, Annex VI		A	A ⁽²⁾	A ⁽²⁾	A ⁽²⁾	A ⁽²⁾	A ⁽²⁾						
B12 Wash/wipe	Regulation (EU) 2021/535, Annex IV		A	A ⁽³⁾	A ⁽³⁾	A ⁽³⁾	A ⁽³⁾	A ⁽³⁾					A ⁽³⁾ ;	

(f) the row for requirement C3 is replaced by the following:

C3 Emergency lane keeping system	Regulation (EU) 2021/646		B ⁽⁶⁾			B ⁽⁶⁾								;
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(g) the rows for requirements C6 and C7 are replaced by the following:

C6 Brake assist	UN Regulation No 139 ⁽¹⁰⁾		A			A								
C7 Stability control	UN Regulation No 13 UN Regulation No 140 ⁽¹¹⁾		A	A	A	A	A	A	A	A	A	A		;

(h) the row for requirement C9 is replaced by the following:

C9 Advanced emergency braking on light-duty vehicles	UN Regulation No 152		B			B								;
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(i) the rows for requirements C13 and C14 are replaced by the following:

C13 Tyre pressure monitoring for light-duty vehicles	UN Regulation No 141 ⁽¹²⁾	Applies to vehicle categories M ₁ with a maximum mass ≤ 3 500 kg and N ₁ .	A			B								
C14 Tyre pressure monitoring for heavy-duty vehicles	UN Regulation No 141			B	B		B	B			B	B		;

[illegible]

F8 Towing devices	Regulation (EU) 2021/535, Annex VII		A	A	A	A	A	A						
F9 Wheel guards	Regulation (EU) 2021/535, Annex V		A											
F10 Spray suppression systems	Regulation (EU) 2021/535, Annex VIII					A	A	A	A	A	A	A	A	
F11 Masses and dimensions	Regulation (EU) 2021/535, Annex XIII		A	A	A	A	A	A	A	A	A	A		;

(s) the following notes are added:

- ⁽⁷⁾ Type-approvals granted in accordance with the 07 series of amendments to UN Regulation No 14, and their extensions, shall be considered equivalent to a type-approval granted under UN Regulation No 145 (original version).
- ⁽⁸⁾ Child restraint systems, not built in a motor vehicle, approved in accordance with the requirements of UN Regulation No 44 and placed on the Union market before 1 September 2023, may continue to be made available on the market and entered into service until 1 September 2024.
- ⁽⁹⁾ Type-approvals granted in accordance with the 03 series of amendments to UN Regulation No 34, and their extensions, shall be considered equivalent to a type-approval granted under UN Regulation No 153 (original version).
- ⁽¹⁰⁾ Type-approvals granted in accordance with UN Regulation No 13-H (original version), and their extensions, shall be considered equivalent to a type-approval granted under UN Regulation No 139 (original version).
- ⁽¹¹⁾ Type-approvals granted in accordance with UN Regulation No 13-H (original version), and their extensions, shall be considered equivalent to a type-approval granted under UN Regulation No 140 (original version).
- ⁽¹²⁾ Type-approvals granted in accordance with the 02 series of amendments to UN Regulation No 64, and their extensions, shall be considered equivalent to a type-approval granted under UN Regulation No 141 (original version).’.