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COVER NOTE

From: Secretary-General of the European Commission, signed by Ms Martine DEPREZ, Director

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To: Ms Thérèse BLANCHET, Secretary-General of the Council of the European Union

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Subject: ANNEX to the Commission Regulation (EU) .../... of XXX amending and correcting Regulation (EU) 2017/1151 as regards emission type-approval procedures for light passenger and commercial vehicles for end dates of Euro 6 vehicles and certain specific technical requirements

Delegations will find attached document [...](2026) XXX draft - D 114401/1 ANNEXES.

Encl.: [...](2026) XXX draft - D 114401/1 ANNEXES



Brussels, **XXX**
D114401/01
[...] (2026) **XXX** draft

ANNEXES 1 to 2

ANNEXES

to the

Commission Regulation (EU) .../...

amending and correcting Regulation (EU) 2017/1151 as regards emission type-approval procedures for light passenger and commercial vehicles for end dates of Euro 6 vehicles and certain specific technical requirements

ANNEX I

Annexes I, IIIA and XX to Regulation (EU) 2017/1151 are amended as follows:

(1) Annex I is amended as follows:

(a) in point 2.4.1, Figure I.2.4, the entry for ‘CO₂ emissions, fuel consumption, electric energy consumption and electric range’ is replaced by the following:

‘CO ₂ emissions, fuel consumption, electric energy consumption and electric range	Yes	Yes	Yes	Yes ⁽⁹⁾	Yes (both fuels)	Yes (both fuels)	Yes (petrol), Yes ⁽⁹⁾ (hydrogen)	Yes (both fuels)	Yes	Yes	Yes	Yes ⁽¹⁰⁾ ;
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(b) in Figure I.2.4, in the list of tablenotes, the following tablenotes⁽⁹⁾ and⁽¹⁰⁾ are added:

‘⁽⁹⁾ Only fuel consumption shall be determined when the vehicle is running on hydrogen.

⁽¹⁰⁾ Measuring of CO₂ emissions is not required.’;

(c) points 4.6 and 4.7 are deleted;

(d) Appendix 6, Table 1, is amended as follows:

(i) the entries EB, EC, AX, AY and AZ are replaced by the following:

‘EB	Euro 6e -bis	Euro 6-2	M1, N1	PI, CI	1.1.2025	1.1.2026	28.11.2027
ED	Euro 6e-bis	Euro 6-2	M1, N1 SVM ⁽³⁾	PI, CI	1.1.2025	1.1.2026	31.12.2027
EB	Euro 6e-bis	Euro 6-2	M2, N2	PI, CI	1.1.2025	1.1.2026	31.12.2027
EC	Euro 6e-bis-FCM	Euro 6-2	M1, N1	PI, CI			28.11.2027
EC	Euro 6e-bis-FCM	Euro 6-2	M2, N2	PI, CI	1.1.2027	1.1.2028	28.05.2029
EE	Euro 6e-bis-FCM		M1, N1 SVM ⁽³⁾	PI, CI	1.1.2027	1.1.2028	30.06.2030
EE	Euro 6e-bis-FCM		M2, N2 SVM ⁽⁴⁾	PI, CI	1.1.2027	1.1.2028	30.06.2031
AX	n.a.	n.a.	M1, N1	Battery full electric			28.11.2027

AX	n.a.	n.a.	M2, N2	Battery full electric			28.05.2029
AS	n.a.	n.a.	M1, N1 SVM ⁽³⁾	Battery full electric			30.06.2030
AS	n.a.	n.a.	M2, N2 SVM ⁽⁴⁾	Battery full electric			30.06.2031
AY	n.a.	n.a.	M1, N1	Fuel cell			28.11.2027
AY	n.a.	n.a.	M2, N2	Fuel cell			28.05.2029
AT	n.a.	n.a.	M1, N1 SVM ⁽³⁾	Fuel cell			30.06.2030
AT	n.a.	n.a.	M2, N2 SVM ⁽⁴⁾	Fuel cell			30.06.2031
AZ	n.a.	n.a.	M1 and N1 vehicles using certificates in accordance with point 2.1.1 of Annex I	PI, CI			30.06.2030
AZ	n.a.	n.a.	M2 and N2 vehicles using certificates in accordance with point 2.1.1 of Annex I	PI, CI			30.06.2031';

(ii) in the list of tablenotes, the following tablenotes ⁽³⁾ and ⁽⁴⁾ are added:

⁽³⁾ Vehicles of categories M1 and N1 manufactured by small-volume manufacturers as defined in Article 3, point (48), of Regulation (EU) 2024/1257 or by ultra-small-volume manufacturers as defined in Article 3, point (49), of Regulation (EU) 2024/1257.

⁽⁴⁾ Vehicles of categories M2 and N2 manufactured by small-volume manufacturers as defined in Article 3, point (48), of Regulation (EU) 2024/1257 or by ultra-small-volume manufacturers as defined in Article 3, point (49), of Regulation (EU) 2024/1257.';

(e) in Appendix 7, the first indent under 'Certifies that' is replaced by the following:

—The vehicle types listed in attachment to this Certificate are in compliance with the provisions of paragraph 7. of Appendix 1 to Annex C5 to UN Regulation No. 154* relating to the in-use performance of the OBD system under all reasonably foreseeable driving conditions.

* UN Regulation No 154 – Uniform provisions concerning the approval of light-duty passenger and commercial vehicles with regard to criteria emissions, emissions of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range (WLTP), 02 series of amendments (OJ L 290, 10.11.2022, p. 1, ELI:

<http://data.europa.eu/eli/reg/2022/2124/oj>..’;

(2) Annex IIIA is amended as follows:

(a) point 3.3 is replaced by the following:

‘PEMS tests shall not be required for each *‘vehicle type with regard to emissions’*. Several vehicle emission types may be put together by the vehicle manufacturer to form a ‘PEMS test family’ in accordance with the requirements of paragraph 3.3.1., which shall be validated in accordance with the requirements of paragraph 3.4.’;

(b) Appendix 1 is replaced by the following:

‘ Appendix 1

Where reference is made to ‘Portable emissions measurement system’ or ‘PEMS’, the requirements laid down in Annex 4 of UN Regulation No 168* shall apply.’;

*UN Regulation No 168 – Uniform provisions concerning the approval of light-duty passenger and commercial vehicles with regard to real driving emissions (RDE) (OJ L, 2024/211, 12.1.2024, ELI: <http://data.europa.eu/eli/reg/2024/211/oj>)

(c) Appendix 7 is amended as follows:

(i) point 5.1. is replaced by the following:

‘5.1. Drift correction

The drift correction shall be calculated in accordance with paragraph 5.0 of Annex 7 to UN Regulation No 168.

(ii) point 7.3 is replaced by the following:

‘7.3. Calculation method using air mass flow and air-to-fuel ratio

The instantaneous mass flow rate may be calculated in accordance with paragraph 7.3 of Annex 7 to UN Regulation No 168.’;

(iii) in point 8, the introductory paragraph is replaced by the following:

‘The instantaneous mass emissions [g/s] shall be determined by multiplying the instantaneous concentration of the pollutant under consideration [ppm] with the instantaneous exhaust mass flow rate [kg/s], both corrected and aligned for the transformation time, and the respective u value in Table A7/1. If measured on a dry basis, the dry-wet correction in accordance with paragraph 5.2. shall be applied to the instantaneous component concentrations before executing any further calculations. If occurring, negative instantaneous emission values shall enter all subsequent data evaluations. Parameter values shall enter the calculation of instantaneous emissions [g/s] as reported by the analyser, flow-measuring instrument, sensor or the ECU. The following equation shall be applied.’;

(3) in Annex XX,

point 1 is replaced by the following:

‘1. INTRODUCTION

This Annex sets out the requirements for measuring;

- (a) net engine power;
- (b) net power and the maximum 30 minutes power of electric drive trains.

For electric drive trains that are composed of controllers and motors which are used as the sole mode of propulsion for part of the time, the requirements for measuring net power and the maximum 30 minutes power of electric drive trains shall also apply in addition to the requirements for measuring net engine power.’.

ANNEX II

Annexes I and IIIA to Regulation (EU) 2017/1151 are corrected as follows:

- (1) in Annex I, point 3.5.2.2, the equation is replaced by the following:

$$‘(E) = |(V_2 - V_1)| / V_1’;$$

- (2) Annex IIIA, Appendix 9 is corrected as follows:

- (a) in point 3.1.2., the third equation is replaced by the following:

$$‘(v \times a)_i = \frac{v_i \times a_i}{3,6};’$$

- (b) in point 3.1.3.1., the fourth paragraph is replaced by the following:

‘The number of datasets with acceleration values $a_i > 0,1 \text{ m/s}^2$ shall be greater than or equal to 100 in each speed bin.’;

- (c) in point 4.1.1., ‘31,365’ is replaced by ‘31,635’;