



EUROPEAN
COMMISSION

Brussels, XXX
[...] (2025) XXX draft

ANNEX

ANNEXES

to the

Commission Regulation

amending Regulation (EU) No 582/2011 as regards the emissions type-approval of heavy-duty vehicles with on-board fuel and energy consumption monitoring devices

ANNEX

(1) in Appendix 9, in Table 1, in Annex I, the sixth row is replaced:

E	Row 'general requirements' of Table 1 or Table 2	Row 'general requirements' of Table 1	Row 'general requirements' of Table 2	General ⁽¹³⁾	General ⁽¹⁴⁾	Yes	10 %	Yes	1.1.2021 ⁽¹⁵⁾	1.1.2022 ⁽¹⁵⁾	30.06.2027 ⁽¹⁶⁾ 28.5.2029 ⁽¹⁷⁾
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(2) in Appendix 9, in Table 1, in Annex I, the following row and table notes are added:

E+ ⁽¹⁷⁾	Row 'general requirements' of Table 1 or Table 2	Row 'general requirements' of Table 1	Row 'general requirements' of Table 2	General ⁽¹³⁾	General ⁽¹⁴⁾	Yes	10 %	Yes	—	1.7.2027 ⁽¹⁸⁾	28.5.2029
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⁽¹⁶⁾

For vehicles falling in the scope of Implementing Regulation (EU) 2025/XXXX

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For vehicles that do not fall in the scope of Implementing Regulation (EU) 2025/XXXX, except for vehicles constructed by small-vehicle manufacturers as set out in Regulation (EU) 2024/1257.

For vehicles constructed by small-vehicle manufacturers the last date of registration is 30 June 2031.

⁽¹⁸⁾

For vehicles falling in the scope of Implementing Regulation (EU) 2025/XXXX the OBFCM requirements as set out in Table 1 of Annex I to Regulation (EU) 2025/XXXX need to be complied with.’.

(3) Annex II is amended as follows:

- (a) the following point is inserted after point 10.1.7.1.:
‘10.1.7.1a Odometer reading at test end [km].’;
- (b) the following point is inserted after point 10.1.7.7.:
‘10.1.7.8 Actual mass of the vehicle for the PEMS test with payload (kg).’;
- (c) the following points are inserted after point 10.1.8.17.:
‘10.1.8a. **OBFCM instantaneous measured data (if applicable)**
10.1.8a.1. Total fuel consumed (lifetime) (kilograms).
10.1.8a.2. Total fuel consumed (lifetime) (litres).
10.1.8a.3. Total distance travelled (lifetime) (kilometres).

- 10.1.8a.4. Engine fuel rate (g/s).
- 10.1.8a.5. Engine fuel rate (l/h).
- 10.1.8a.6. Vehicle fuel rate (g/s).
- 10.1.8a.7. Vehicle total mass (kg).’;

(d) the following points are inserted after point 10.1.10.12a:

‘10.1.10a **OBFCM values (if applicable)**

- 10.1.10a.1. Total fuel consumed (lifetime) (litres) at test start.
- 10.1.10a.2. Total fuel consumed (lifetime) (litres) at test end.
- 10.1.10a.3. Total fuel consumed (lifetime) (kilograms) at test start.
- 10.1.10a.4. Total fuel consumed (lifetime) (kilograms) at test end.
- 10.1.10a.5. Total distance travelled (lifetime) (kilometres) at test start.
- 10.1.10a.6. Total distance travelled (lifetime) (kilometres) at test end.
- 10.1.10a.7. Accumulated Engine fuel rate (l).
- 10.1.10a.8. Accumulated Engine fuel rate (g).
- 10.1.10a.9. Accumulated Vehicle fuel rate (g).
- 10.1.10a.10. Average of vehicle total mass.’;

(e) in Appendix 1, in Table 1 under point 2.2., the following rows are added before the table notes:

Total fuel consumed (lifetime) (kilograms) ⁽⁵⁾	kg	OBFCM device or ECU
Total fuel consumed (lifetime) (litres) ⁽⁵⁾	l	OBFCM device or ECU
Total distance travelled (lifetime) (kilometres) ⁽⁵⁾	km	OBFCM device or ECU
Engine fuel rate ⁽⁵⁾	g/s	OBFCM device or ECU
Engine fuel rate ⁽⁵⁾	l/h	OBFCM device or ECU
Vehicle fuel rate ⁽⁵⁾	g/s	OBFCM device or ECU
Vehicle total mass ⁽⁵⁾	kg	OBFCM device or ECU

’;

(f) in Appendix 1, in Table 1 under point 2.2., the following table note is added:

‘⁽⁵⁾

Where applicable, for vehicles equipped with an engine with an on-board fuel and/or energy monitoring device in accordance with the requirements under Article 2 of Implementing Regulation (EU) 2025/XXXX’;

(g) in Point 2.2. of Appendix 1, the following paragraph is added:

‘The original raw data regarding data read out from the OBFCM device or ECU shall be made available to the approval authority and, upon request, to the Commission.’;

(h) in Point 2.4 of Appendix 1, the following point is added:

‘2.4.8. If an engine of the engine family is installed in a vehicle equipped with an on-board device for the monitoring and recording of fuel and/or energy consumption and mileage of motor vehicles in accordance with the requirements referred to in Implementing Regulation (EU) 2025/XXXX, then the test engine shall be equipped with that on-board device.’;

- (i) in Point 2.6.1. of Appendix 1, the following paragraph is added:
‘Where applicable, the recording of the parameters set out in Table 1 as determined by the OBFCM device shall start at the test start.’;
- (j) in Point 2.6.2. of Appendix 1, the following paragraph is added:
‘Where applicable, the recording of the parameters set out in Table 1 as determined by the OBFCM device shall continue throughout the normal in-use operation of the engine.’;
- (k) in Point 2.6.3. of Appendix 1, the following paragraph is added:
‘Where applicable, the recording of the parameters set out in Table 1 as determined by the OBFCM device shall end at the test end. The odometer reading shall be recorded at test end.’.
- (4) Annex VI is amended as follows:
 - (a) in Point 5.1 of Appendix 1, the following point (k) is added:
‘(k) Information about instantaneous measured OBFCM values as described in point 10.1.8a.1 to 10.1.8a.7 of Annex II, and averaged and integrated OBFCM values as described in points 10.1.10a.1. to 10.1.10a.10. of Annex II.’.