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## ANNEX IV

### MODEL OF THE MANUFACTURER'S RECORDS FILE AND OF THE CUSTOMER INFORMATION FILE

#### PART II

#### Vehicle CO<sub>2</sub> emissions and fuel consumption - Customer information file

1. Vehicle, component, separate technical unit and systems data
  - 1.1. Vehicle data
    - 1.1.1. Vehicle identification number (VIN) ...
    - 1.1.2. Vehicle category (N<sub>1</sub> N<sub>2</sub>, N<sub>3</sub>, M<sub>1</sub>, M<sub>2</sub>, M<sub>3</sub>) ...
    - 1.1.3. Axle configuration ...
    - 1.1.4. Max. gross vehicle weight (t) ...
    - 1.1.5. Vehicle's group ...
    - 1.1.6. Name and address of manufacturer ...
    - [<sup>F1</sup>1.1.7. Model ...]

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#### Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2019/318 of 19 February 2019 amending Regulation \(EU\) 2017/2400 and Directive 2007/46/EC of the European Parliament and of the Council as regards the determination of the CO<sub>2</sub> emissions and fuel consumption of heavy-duty vehicles \(Text with EEA relevance\).](#)

- 1.1.8. Corrected actual curb mass (kg) ...

- [<sup>F2</sup>1.1.9. Vocational vehicle (yes/no) ...]

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#### Textual Amendments

- F2** Inserted by [Commission Regulation \(EU\) 2019/318 of 19 February 2019 amending Regulation \(EU\) 2017/2400 and Directive 2007/46/EC of the European Parliament and of the Council as regards the determination of the CO<sub>2</sub> emissions and fuel consumption of heavy-duty vehicles \(Text with EEA relevance\).](#)

- 1.1.10. Zero emission heavy-duty vehicle (yes/no) ...
- 1.1.11. Hybrid electric heavy-duty vehicle (yes/no) ...
- 1.1.12. Dual-fuel vehicle (yes/no) ...
- 1.1.13. Sleeper cab (yes/no) ...]

- 1.2. Component, separate technical unit and systems data

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- 1.2.1. Engine rated power (kW) ...
- 1.2.2. Engine capacity (ltr) ...
- [<sup>F1</sup>1.2.3. Fuel type (Diesel CI/CNG PI/LNG PI...) ...]
- 1.2.4. Transmission values (measured/standard) ...
- 1.2.5. Transmission type (SMT, AMT, AT-S, AT-S) ...
- 1.2.6. Nr. of gears ...
- 1.2.7. Retarder (yes/no) ...
- 1.2.8. Axle ratio ...
- [<sup>F1</sup>1.2.9. Average rolling resistance coefficient (RRC) of all tyres of the motor vehicle: ...]
- [<sup>F2</sup>1.2.10. Average fuel efficiency labelling class of all tyres of the motor vehicle in accordance with Regulation (EC) No 1222/2009 ...]
- 1.2.11. Engine stop-start during vehicle stops (yes/no) ...
- 1.2.12. Eco-roll without engine stop-start (yes/no) ...
- 1.2.13. Eco-roll with engine stop-start (yes/no) ...
- 1.2.14. Predictive cruise control (yes/no) ...]
- [<sup>F2</sup>2. CO<sub>2</sub> emissions and fuel consumption of the vehicle (for each payload/mission profile)
- 2.1. Payload low [kg]:

	Average vehicle speed	CO <sub>2</sub> emissions			Fuel consumption		
<b>Long haul</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Long haul (EMS)</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Regional delivery</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Regional delivery (EMS)</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Urban delivery</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Municipal utility</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Construction</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km

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2.2. Payload representative [kg]:

	Average vehicle speed	CO <sub>2</sub> emissions			Fuel consumption		
		g/km	g/t-km	g/m <sup>3</sup> -km	l/100km	l/t-km	l/m <sup>3</sup> -km
<b>Long haul</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Long haul (EMS)</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Regional delivery</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Regional delivery (EMS)</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Urban delivery</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Municipal utility</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km
<b>Construction</b>	... km/h	... g/km	... g/t-km	... g/m <sup>3</sup> -km	... l/100km	... l/t-km	... l/m <sup>3</sup> -km

2.3. Specific CO<sub>2</sub> emissions [gCO<sub>2</sub>/tkm] ...

2.4. Average payload value [t] ...

2.5. Software and user information

Simulation tool version	[X.X.X]
Date and time of the simulation	[-]

3. Cryptographic hash of the manufacturer's records file ...]

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**Changes and effects yet to be applied to the whole legislation item and associated provisions**

- Signature words omitted by [S.I. 2022/1273 reg. 82\(18\)](#)
- Annex 5 Appendix 6 point 1.3 substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(i\)](#)
- Annex 5 Appendix 6 point 1.4.1 image substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(iii\)\(aa\)](#)
- Annex 5 Appendix 6 point 1.5.1 image substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(iv\)\(aa\)](#)
- Annex 5 Appendix 4 point 7.4 word substituted by [S.I. 2022/1273 reg. 83\(4\)\(a\)](#)
- Annex 5 Appendix 6 point 2.1 word substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(v\)](#)
- Annex 5 Appendix 6 point 1.4.1 words omitted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(iii\)\(bb\)](#)
- Annex 5 Appendix 6 point 1.5.1 words omitted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(iv\)\(bb\)](#)
- Annex 5 Appendix 6 point 1.4 words substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(ii\)](#)
- Annex 5 Appendix 6 point 2.1 table words substituted by [S.I. 2022/1273 reg. 83\(4\)\(b\)\(vi\)](#)
- Annex 10 Appendix 4 point 1.1 word substituted by [S.I. 2022/1273 reg. 83\(8\)\(d\)\(i\)](#)
- Annex 10 Appendix 1 words substituted by [S.I. 2022/1273 reg. 83\(8\)\(c\)](#)
- Annex 10 Appendix 4 point 1.1 table words substituted by [S.I. 2022/1273 reg. 83\(8\)\(d\)\(ii\)](#)
- Annex 7 Appendix 5 point 1.3 substituted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(i\)](#)
- Annex 7 Appendix 5 point 1.4.1 image substituted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(iii\)\(aa\)](#)
- Annex 7 Appendix 1s. 1 point 000.5 word substituted by [S.I. 2022/1273 reg. 83\(6\)\(b\)\(ii\)](#)
- Annex 7 Appendix 1 words inserted by [S.I. 2022/1273 reg. 83\(6\)\(b\)\(i\)\(aa\)](#)
- Annex 7 Appendix 1 words omitted by [S.I. 2022/1273 reg. 83\(6\)\(b\)\(i\)\(bb\)](#)
- Annex 7 Appendix 5 point 1.4.1 words omitted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(iii\)\(bb\)](#)
- Annex 7 Appendix 5 point 1.4 words substituted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(ii\)](#)
- Annex 7 Appendix 5 point 2.1 words substituted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(iv\)](#)
- Annex 7 Appendix 5 point 2.1 table words substituted by [S.I. 2022/1273 reg. 83\(6\)\(c\)\(v\)](#)
- Annex 8 Appendix 8 point 1.3 substituted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(i\)](#)
- Annex 8 Appendix 8 point 1.4.1 image substituted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(iii\)\(aa\)](#)
- Annex 8 Appendix 4 table 11 word omitted by [S.I. 2022/1273 reg. 83\(7\)\(c\)\(i\)](#)
- Annex 8 Appendix 4 table 13 word omitted by [S.I. 2022/1273 reg. 83\(7\)\(c\)\(i\)](#)
- Annex 8 Appendix 4 table 15 word omitted by [S.I. 2022/1273 reg. 83\(7\)\(c\)\(ii\)\(aa\)](#)
- Annex 8 Appendix 4 table 15 word omitted by [S.I. 2022/1273 reg. 83\(7\)\(c\)\(ii\)\(bb\)](#)
- Annex 8 Appendix 1s. 1 point 000.6 word substituted by [S.I. 2022/1273 reg. 83\(7\)\(b\)\(ii\)](#)
- Annex 8 Appendix 8 point 2.1 word substituted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(iv\)](#)
- Annex 8 Appendix 1 words inserted by [S.I. 2022/1273 reg. 83\(7\)\(b\)\(i\)\(aa\)](#)
- Annex 8 Appendix 1 words omitted by [S.I. 2022/1273 reg. 83\(7\)\(b\)\(i\)\(bb\)](#)
- Annex 8 Appendix 8 point 1.4.1 words omitted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(iii\)\(bb\)](#)
- Annex 8 Appendix 8 point 1.4 words substituted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(ii\)](#)
- Annex 8 Appendix 8 point 2.1 table words substituted by [S.I. 2022/1273 reg. 83\(7\)\(d\)\(v\)](#)

- Annex 2 Appendix 2s. 2 point 2 omitted by S.I. 2022/1273 reg. 83(2)(b)(ii)
- Annex 2 Appendix 2 words inserted by S.I. 2022/1273 reg. 83(2)(b)(i)
- Annex 6 Appendix 7 point 1.3 substituted by S.I. 2022/1273 reg. 83(5)(e)(i)
- Annex 6 Appendix 7 point 1.5 image substituted by S.I. 2022/1273 reg. 83(5)(e)(iii)(aa)
- Annex 6 Appendix 7 point 2.1 word substituted by S.I. 2022/1273 reg. 83(5)(e)(iv)
- Annex 6 Appendix 1 words omitted by S.I. 2022/1273 reg. 83(5)(c)
- Annex 6 Appendix 7 point 1.5 words omitted by S.I. 2022/1273 reg. 83(5)(e)(iii)(bb)
- Annex 6 Appendix 2 point 8 words substituted by S.I. 2022/1273 reg. 83(5)(d)
- Annex 6 Appendix 3 point 8 words substituted by S.I. 2022/1273 reg. 83(5)(d)
- Annex 6 Appendix 4 point 8 words substituted by S.I. 2022/1273 reg. 83(5)(d)
- Annex 6 Appendix 5 point 8 words substituted by S.I. 2022/1273 reg. 83(5)(d)
- Annex 6 Appendix 7 point 1.4 words substituted by S.I. 2022/1273 reg. 83(5)(e)(ii)
- Annex 6 Appendix 7 point 2.1 table words substituted by S.I. 2022/1273 reg. 83(5)(e)(v)
- Art. 3(5) omitted by S.I. 2022/1273 reg. 82(4)(a)
- Art. 3(16) words substituted by S.I. 2022/1273 reg. 82(4)(b)
- Art. 3(20) words substituted by S.I. 2022/1273 reg. 82(4)(c)
- Art. 10(1a) inserted by S.I. 2022/1273 reg. 82(8)(b)
- Annex 10a para. 3(f) words inserted by S.I. 2022/1273 reg. 83(9)(a)
- Annex 10a para. 3(f) table words substituted by S.I. 2022/1273 reg. 83(9)(b)(c)
- Art. 12(8) inserted by S.I. 2022/1273 reg. 82(10)