

[<sup>F1</sup>ANNEX III U.K.]

INFORMATION DOCUMENT FOR THE PURPOSE  
OF EC TYPE-APPROVAL OF VEHICLES  
(For explanatory notes, please refer to last page of Annex I)

**Textual Amendments**

- F1** Substituted by Commission Regulation (EC) No 1060/2008 of 7 October 2008 replacing Annexes I, III, IV, VI, VII, XI and XV to Directive 2007/46/EC of the European Parliament and of the Council 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) (Text with EEA relevance).

## PART I U.K.]

The following information shall be supplied in triplicate and include a list of contents. Any drawings shall be supplied in appropriate scale and in sufficient detail on size A4, or on a folder of A4 format. Photographs, if any, shall show sufficient detail.

A. Categories M and N U.K.]

0. GENERAL U.K.]

0.1. Make (trade name of manufacturer): ...

0.2. Type: ...

0.2.1. Commercial name(s) (if available): ...

[<sup>F2</sup>0.2.2. For multi-stage approved vehicles, type-approval information of the base/previous stage vehicle (list the information for each stage. This can be done with a matrix): U.K.]

Type:

Variant(s):

Version(s):

Type-approval number, including extension number: ...]

**Textual Amendments**

- F2** Inserted by Commission Regulation (EU) No 1171/2014 of 31 October 2014 amending and correcting Annexes I, III, VI, IX, XI and XVII to Directive 2007/46/EC of the European Parliament and of the Council establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles (Text with EEA relevance).

0.3. Means of identification of type, if marked on the vehicle (<sup>b</sup>): ...

0.3.1. Location of that marking: ...

0.4. Category of vehicle (<sup>c</sup>): ...

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0.4.1. Classification(s) according to the dangerous goods which the vehicle is intended to transport: ...

[<sup>F3</sup>0.5. Company name and address of manufacturer: ...]

#### Textual Amendments

**F3** Substituted by [Commission Regulation \(EU\) No 1230/2012 of 12 December 2012 implementing Regulation \(EC\) No 661/2009 of the European Parliament and of the Council with regard to type-approval requirements for masses and dimensions of motor vehicles and their trailers and amending Directive 2007/46/EC of the European Parliament and of the Council \(Text with EEA relevance\).](#)

[<sup>F2</sup>0.5.1. For multi-stage approved vehicles, company name and address of the manufacturer of the base/previous stage(s) vehicle: ...]

0.8. Name(s) and address(es) of assembly plant(s): ...

0.9. Name and address of the manufacturer's representative (if any): ...

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE **U.K.**

1.1. Photographs and/or drawings of a representative vehicle: ...

1.3. Number of axles and wheels: ...

1.3.1. Number and position of axles with twin wheels: ...

1.3.2. Number and position of steered axles: ...

1.3.3. Powered axles (number, position, interconnection): ...

1.4. Chassis (if any) (overall drawing): ...

1.6. Position and arrangement of the engine: ...

1.8. Hand of drive: left/right (<sup>1</sup>)

1.8.1. Vehicle is equipped to be driven in right/left (<sup>1</sup>) hand traffic

[<sup>F4</sup>1.9. Specify if the towing vehicle is intended to tow semi-trailers or other trailers and, if the trailer is a semi-, drawbar-, centre-axle- or rigid drawbar trailer: ...]

#### Textual Amendments

**F4** Inserted by [Commission Regulation \(EU\) No 1230/2012 of 12 December 2012 implementing Regulation \(EC\) No 661/2009 of the European Parliament and of the Council with regard to type-approval requirements for masses and dimensions of motor vehicles and their trailers and amending Directive 2007/46/EC of the European Parliament and of the Council \(Text with EEA relevance\).](#)

1.10. Specify if the vehicle is specially designed for the controlled-temperature carriage of goods: ...]

[<sup>F3</sup>2. MASSES AND DIMENSIONS (<sup>f</sup>)(<sup>g</sup>)(<sup>7</sup>) **U.K.**

(in kg and mm) (Refer to drawing where applicable)]

- 2.1. Wheelbase(s) (fully loaded) (<sup>g1</sup>): U.K.
- 2.1.1. Two-axle vehicles: ...
- 2.1.2. Vehicles with three or more axles U.K.
- 2.1.2.1. Axle spacing between consecutive axles going from the foremost to the rearmost axle:  
...
- 2.1.2.2. Total axle spacing: ...
- 2.3.1. Track of each steered axle (<sup>g4</sup>): ...
- 2.3.2. Track of all other axles (<sup>g4</sup>): ...
- 2.4. Range of vehicle dimensions (overall) U.K.
- 2.4.1. For chassis without bodywork U.K.
- 2.4.1.1. Length (<sup>g5</sup>): ...
  - 2.4.1.1.1. Maximum permissible length: ...
  - 2.4.1.1.2. Minimum permissible length: ...
- 2.4.1.2. Width (<sup>g7</sup>): ...
  - 2.4.1.2.1. Maximum permissible width: ...
  - 2.4.1.2.2. Minimum permissible width: ...
- 2.4.1.3. Height (in running order) (<sup>g8</sup>) (for suspensions adjustable for height, indicate normal running position): ...
- 2.4.2. For chassis with bodywork U.K.
- 2.4.2.1. Length (<sup>g5</sup>): ...
  - 2.4.2.1.1. Length of the loading area: ...
- 2.4.2.2. Width (<sup>g7</sup>): ...
  - 2.4.2.2.1. Thickness of the walls (in the case of vehicles designed for controlled-temperature transport of goods): ...
- 2.4.2.3. Height (in running order) (<sup>g8</sup>) (for suspensions adjustable for height, indicate normal running position): ...
- [<sup>F4</sup>2.5. **Minimum mass on the steering axle(s) for incomplete vehicles: ...]**
- [<sup>F3</sup>2.6. **Mass in running order** (<sup>h</sup>) U.K.
- (a) minimum and maximum for each variant: ...
- (b) mass of each version (a matrix must be provided): ...
- 2.6.1. Distribution of this mass among the axles and, in the case of a semi-trailer a rigid drawbar trailer or a centre-axle trailer, the mass on the coupling: U.K.

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- (a) minimum and maximum for each variant: ...
- (b) mass of each version (a matrix must be provided): ...]
- [<sup>F4</sup>2.6.2. Mass of the optional equipment (as defined in point (5) of Article 2 of Regulation (EU) No 1230/2012: ...]
- 2.7. **Minimum mass of the completed vehicle** as stated by the manufacturer, in the case of an incomplete vehicle: ...
- 2.8. **Technically permissible maximum laden mass** stated by the manufacturer (<sup>i</sup>)(<sup>3</sup>): ...
- 2.8.1. Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point (<sup>3</sup>): ...
- 2.9. **Technically permissible maximum mass on each axle:** ...
- [<sup>F3</sup>2.10. **Technically permissible mass on each group of axles:** ...]
- [<sup>F3</sup>2.11. **Technically permissible maximum towable mass of the towing vehicle** U.K.  
in case of:]
  - 2.11.1. Drawbar trailer: ...
  - 2.11.2. Semi-trailer: ...
  - 2.11.3. Centre-axle trailer: ...
  - [<sup>F3</sup>2.11.4. Rigid drawbar trailer: ...]
  - [<sup>F4</sup>2.11.5. Technically permissible maximum laden mass of the combination (<sup>3</sup>): ...]
  - 2.11.6. Maximum mass of unbraked trailer: ...
  - [<sup>F3</sup>2.12. **Technically permissible maximum mass at the coupling point:**
    - 2.12.1. of a towing vehicle: ...
    - 2.12.2. of a semi-trailer, a centre-axle trailer or a rigid drawbar trailer: ...]
  - [<sup>F3</sup>2.16. **Registration/in service maximum permissible masses (optional)**
    - 2.16.1. Registration/in service maximum permissible laden mass: ...
    - 2.16.2. Registration/in service maximum permissible mass on each axle and, in the case of a semi-trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point: ...
    - 2.16.3. Registration/in service maximum permissible mass on each group of axles: ...
    - 2.16.4. Registration/in service maximum permissible towable mass: ...
    - 2.16.5. Registration/in service maximum permissible mass of the combination: ...]
  - [<sup>F2</sup>2.17. Vehicle submitted to multi-stage type-approval (only in the case of incomplete or completed vehicles of category N<sub>1</sub> within the scope of Regulation (EC) No 715/2007: yes/no (<sup>1</sup>)

- 2.17.1. Mass of the base vehicle in running order: kg.
- 2.17.2. Default added mass (DAM), calculated in accordance with Section 5 of Annex XII to Regulation (EC) No 692/2008: kg: ...]

[<sup>F53</sup> PROPULSION ENERGY CONVERTER (k) **U.K.**

3.1. **Manufacturer of the propulsion energy converter(s): ...**

3.1.1. Manufacturer's code (as marked on the propulsion energy converter or other means of identification): ...]

3.1.2. Approval number (if appropriate) including fuel identification marking: ... **U.K.**

(heavy-duty vehicles only)

3.2. Internal combustion engine **U.K.**

[<sup>F63.2.1.1</sup> Working principle: positive ignition/compression ignition/dual-fuel (<sup>1</sup>) **U.K.**

Cycle four stroke/two stroke/rotary (<sup>1</sup>)]

#### Textual Amendments

**F6** Substituted by [Commission Regulation \(EU\) No 133/2014 of 31 January 2014 amending, for the purposes of adapting to technical progress as regards emission limits, Directive 2007/46/EC of the European Parliament and of the Council, Regulation \(EC\) No 595/2009 of the European Parliament and of the Council and Commission Regulation \(EU\) No 582/2011 \(Text with EEA relevance\).](#)

[<sup>F73.2.1.1.1</sup> Type of dual-fuel engine: Type 1A/Type 1B/Type 2A/Type 2B/Type 3B (<sup>1</sup>)(<sup>x1</sup>)

#### Textual Amendments

**F7** Inserted by [Commission Regulation \(EU\) No 133/2014 of 31 January 2014 amending, for the purposes of adapting to technical progress as regards emission limits, Directive 2007/46/EC of the European Parliament and of the Council, Regulation \(EC\) No 595/2009 of the European Parliament and of the Council and Commission Regulation \(EU\) No 582/2011 \(Text with EEA relevance\).](#)

3.2.1.1.2. Gas Energy Ratio over the hot part of the WHTC test-cycle: ... %]

3.2.1.2. Number and arrangement of cylinders: ...

3.2.1.3. Engine capacity (<sup>m</sup>): ..... cm<sup>3</sup>

3.2.1.6. Normal engine idling speed (<sup>2</sup>): ..... min<sup>-1</sup>

[<sup>F73.2.1.6.2</sup> Idle on diesel: yes/no (<sup>1</sup>)(<sup>x1</sup>)]

[<sup>F53.2.1.8</sup> Rated engine power (n): ... kW at ... min<sup>-1</sup> (manufacturer's declared value)]

[<sup>F83.2.1.1</sup> (Euro VI only) Manufacturer references of the Documentation package required by Articles 5, 7 and 9 of Regulation (EU) No 582/2011 enabling the approval authority to evaluate the emission control strategies and the systems on-board the engine to ensure the correct operation of NO<sub>x</sub> control measures]

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### Textual Amendments

**F8** Inserted by [Commission Regulation \(EU\) No 582/2011 of 25 May 2011 implementing and amending Regulation \(EC\) No 595/2009 of the European Parliament and of the Council with respect to emissions from heavy duty vehicles \(Euro VI\) and amending Annexes I and III to Directive 2007/46/EC of the European Parliament and of the Council \(Text with EEA relevance\).](#)

3.2.2.1. Light-duty vehicles: Diesel/Petrol/LPG/NG or Biomethane/Ethanol (E 85)/Biodiesel/Hydrogen <sup>(1)</sup> <sup>(6)</sup>

[<sup>F6</sup>3.2.2.2 Heavy duty vehicles Diesel/Petrol/LPG/NG-H/NG-L/NG-HL/Ethanol (ED95)/Ethanol (E85)/LNG/LNG<sub>20</sub> <sup>(1)</sup> <sup>(6)</sup>]

[<sup>F8</sup>3.2.2.2 (Euro VI only) Fuels compatible with use by the engine declared by the manufacturer in accordance with Section 1.1.3 of Annex I to Regulation (EU) No 582/2011 (as applicable)]

3.2.2.4. Vehicle fuel type: Mono fuel, Bi fuel, Flex fuel <sup>(1)</sup>

3.2.2.5. Maximum amount of biofuel acceptable in fuel (manufacturer's declared value): ..... % by volume

3.2.3. Fuel tank(s) **U.K.**

3.2.3.1. Service fuel tank(s)

3.2.3.1.1. Number and capacity of each tank: ...

3.2.3.2. Reserve fuel tank(s)

3.2.3.2.1. Number and capacity of each tank: ...

3.2.4. Fuel feed **U.K.**

3.2.4.1. By carburettor(s): yes/no <sup>(1)</sup>

[<sup>F6</sup>3.2.4.2 By fuel injection (compression ignition or dual-fuel only): yes/no <sup>(1)</sup>]

3.2.4.2.2. Working principle: direct injection/pre-chamber/swirl chamber <sup>(1)</sup>

3.2.4.3. By fuel injection (positive ignition only): yes/no <sup>(1)</sup>

3.2.7. Cooling system: liquid/air <sup>(1)</sup>

3.2.8. Intake system **U.K.**

3.2.8.1. Pressure charger: yes/no <sup>(1)</sup>

3.2.8.2. Intercooler: yes/no <sup>(1)</sup>

[<sup>F8</sup>3.2.8.3 (Euro VI only) Actual Intake system depression at rated engine speed and at 100 % load on the vehicle: kPa]

3.2.9. Exhaust system **U.K.**

[<sup>F8</sup>3.2.9.2 (Euro VI only) Description and/or drawing of the elements of the exhaust system that are not part of the engine system]

[F83.2.9.3(Euro VI only) Actual exhaust back pressure at rated engine speed and at 100 % load on the vehicle (compression-ignition engines only): ... kPa]

3.2.9.4. Type, marking of exhaust silencer(s): ... U.K.

Where relevant for exterior noise, reducing measures in the engine compartment and on the engine: ...

3.2.9.5. Location of the exhaust outlet: ...

[F83.2.9.7(Euro VI only) Acceptable Exhaust system volume: ... dm<sup>3</sup>l

3.2.12. Measures taken against air pollution U.K.

[F83.2.12.1(Euro VI only) Device for recycling crankcase gases: yes/no (2) U.K.

If yes, description and drawings:

If no, compliance with Annex V to Regulation (EU) No 582/2011 required]

[F53.2.12.2.Pollution control devices (if not covered by another heading)

3.2.12.2.1Catalytic converter]

F93.2.12.2.1.11. ....

**Textual Amendments**

F9 Deleted by Commission Regulation (EU) 2017/1151 of 1 June 2017 supplementing Regulation (EC) No 715/2007 of the European Parliament and of the Council 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 information, amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation (EC) No 692/2008 and Commission Regulation (EU) No 1230/2012 and repealing Commission Regulation (EC) No 692/2008 (Text with EEA relevance).

F93.2.12.2.1.11.6. ....

F93.2.12.2.1.11.7. ....

[F53.2.12.2.2.Oxygen sensor: yes/no (1)]

3.2.12.2.3Air injection: yes/no (1)

3.2.12.2.4Exhaust gas recirculation: yes/no (1)

[F53.2.12.2.5Evaporative emissions control system (petrol and ethanol engines only): yes/no (1)]

3.2.12.2.6Particulate trap: yes/no (1)

[F83.2.12.2.7Other systems: yes/no (1)

3.2.12.2.6Description and operation]

3.2.12.2.7On-board-diagnostic (OBD) system: yes/no (1)

[F83.2.12.2.8(Euro VI only) Number of OBD engine families within the engine family

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- 3.2.12.2.7(B) Euro VI only) List of the OBD engine families (when applicable)
- 3.2.12.2.7(B) Euro VI only) Number of the OBD engine family the parent engine / the engine member belongs to:
- 3.2.12.2.7(B) Euro VI only) Manufacturer references of the OBD-Documentation required by Article 5(4)(c) and Article 9(4) of Regulation (EU) No 582/2011 and specified in Annex X to that Regulation for the purpose of approving the OBD system
- 3.2.12.2.7(B) Euro VI only) When appropriate, manufacturer reference of the Documentation for installing in a vehicle an OBD equipped engine system
- 3.2.12.2.7(B) Euro VI only) When appropriate, manufacturer reference of the documentation package related to the installation on the vehicle of the OBD system of an approved engine]

<sup>F10</sup>3.2.12.2.7.0.7. . . . .

**Textual Amendments**

**F10** Deleted by Commission Regulation (EU) No 133/2014 of 31 January 2014 amending, for the purposes of adapting to technical progress as regards emission limits, Directive 2007/46/EC of the European Parliament and of the Council, Regulation (EC) No 595/2009 of the European Parliament and of the Council and Commission Regulation (EU) No 582/2011 (Text with EEA relevance).

<sup>F10</sup>3.2.12.2.7.0.8. . . . .

[<sup>F8</sup>[<sup>F6</sup>3.2.12.2.7.0.7. (Euro VI only) OBD Communication protocol standard: (<sup>8</sup>)]

3.2.12.2.7(Euro VI only) Manufacturer reference of the OBD related information required by of Article 5(4)(d) and Article 9(4) of Regulation (EU) No 582/2011 for the purpose of complying with the provisions on access to vehicle OBD and vehicle Repair and Maintenance Information, or

3.2.12.2.7(A) An alternative to a manufacturer reference provided in Section 3.2.12.2.7.7 reference of the attachment to the information document set out in Appendix 4 of Annex III to Regulation (EU) No 582/2011 that contains the following table, once completed according to the given example: **U.K.**

Component — Fault code — Monitoring strategy — Fault detection criteria — MI activation criteria — Secondary parameters — Preconditioning — Demonstration test Catalyst — P0420 — Oxygen sensor 1 and 2 signals — Difference between sensor 1 and sensor 2 signals — 3rd cycle — Engine speed, engine load, A/F mode, catalyst temperature — Two Type 1 cycles — Type 1]

[<sup>F7</sup>3.2.12.2.7.8. (Euro VI only) OBD components on-board the vehicle

3.2.12.2.7.8.1. List of OBD components on-board the vehicle

3.2.12.2.7.8.2. Written description and/or drawing of the MI (<sup>10</sup>)

3.2.12.2.7.8.3. Written description and/or drawing of the OBD off-board communication interface (<sup>10</sup>)

[<sup>F5</sup>3.2.12.2.9. Other system]



[F8]3.2.12.2.8 (Euro VI only) Systems to ensure the correct operation of NO<sub>x</sub> control measures

[F6]3.2.12.2.8.2: [Driver inducement system]

[F7]3.2.12.2.8.2.1 (Euro VI only) Engine with permanent deactivation of the driver inducement, for use by the rescue services or in vehicles specified in point (b) of Article 2(3) of this Directive: yes/no <sup>(1)</sup>]

3.2.12.2.8 (Euro VI only) Number of OBD engine families within the engine family considered when ensuring the correct operation of NO<sub>x</sub> control measures

3.2.12.2.8 (Euro VI only) List of the OBD engine families (when applicable)

3.2.12.2.8 (Euro VI only) Number of the OBD engine family the parent engine / the engine member belongs to

3.2.12.2.8 (Euro VI only) Lowest concentration of the active ingredient present in the reagent that does not activate the warning system (CD<sub>min</sub>): (% vol.)

3.2.12.2.8 (Euro VI only) When appropriate, manufacturer reference of the Documentation for installing in a vehicle the systems to ensure the correct operation of NO<sub>x</sub> control measures

3.2.12.2.8 Components on-board the vehicle of the systems ensuring the correct operation of NO<sub>x</sub> control measures **U.K.**

3.2.12.2.8 Activation of the creep mode:

‘disable after restart’ / ‘disable after fuelling’ / ‘disable after parking’ <sup>(7)</sup>

3.2.12.2.8.2.2 When appropriate, manufacturer reference of the documentation package related to the installation on the vehicle of the system ensuring the correct operation of NO<sub>x</sub> control measures of an approved engine

3.2.12.2.8.2.3 Written description and/or drawing of the warning signal <sup>(6)</sup>]

3.2.12.2.9 Torque limiter: yes/no <sup>(1)</sup>

[F11]3.2.12.2.10 Periodically regenerating system: (provide the information below for each separate unit)

#### Textual Amendments

**F11** Inserted by [Commission Regulation \(EU\) 2017/1151 of 1 June 2017 supplementing Regulation \(EC\) No 715/2007 of the European Parliament and of the Council 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 information, amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation \(EC\) No 692/2008 and Commission Regulation \(EU\) No 1230/2012 and repealing Commission Regulation \(EC\) No 692/2008 \(Text with EEA relevance\).](#)

3.2.12.2.10 Method or system of regeneration, description and/or drawing: ...]

[F11]3.2.12.2.11 Type and concentration of reagent needed: ...]

3.2.13.1. Location of the absorption coefficient symbol (compression ignition engines only): ...

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3.2.15. LPG fuelling system: yes/no <sup>(1)</sup>

3.2.16. NG fuelling system: yes/no <sup>(1)</sup>

[<sup>F8</sup>3.2.17. (Euro VI only) Self adaptive feature? Yes/No <sup>(1)</sup>

3.2.17.8. (Euro VI only) Calibration for a specific gas composition NG-H/NG-L/NG-HL <sup>(1)</sup> **U.K.**

Transformation for a specific gas composition NG-H<sub>t</sub>/NG-L<sub>t</sub>/NG-HL<sub>t</sub> <sup>(1)</sup>

[<sup>F5</sup>3.3. Electric machine] **U.K.**

3.3.1. Type (winding, excitation): ...

3.3.1.1. Maximum hourly output: ..... kW

[<sup>F12</sup>3.3.1. Maximum net power <sup>(n)</sup> ... kW **U.K.**

(manufacturer's declared value)

#### Textual Amendments

**F12** Inserted by Commission Regulation (EU) No 136/2014 of 11 February 2014 amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation (EC) No 692/2008 as regards emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and Commission Regulation (EU) No 582/2011 as regards emissions from heavy duty vehicles (Euro VI) (Text with EEA relevance).

3.3.1.1.2. Maximum 30 minutes power <sup>(n)</sup> ... kW **U.K.**

(manufacturer's declared value)]

3.3.1.2. Operating voltage: ..... V

[<sup>F5</sup>3.3.2. REESS]

3.3.2.4. Position: ...

[<sup>F5</sup>3.4. Combinations of propulsion energy converters] **U.K.**

3.4.1. Hybrid electric vehicle: yes/no <sup>(1)</sup>

3.4.2. Category of hybrid electric vehicle: off-vehicle charging/not off-vehicle charging: <sup>(1)</sup>

[<sup>F9</sup>3.5.4. (Euro VI only) CO<sub>2</sub> emissions for heavy duty engines **U.K.**

3.5.4.1. ....

3.5.4.2. ....

3.5.4.3. ....

3.5.4.4. ....

3.5.4.5. ....

- 3.5.4.6. ....
- <sup>F9</sup>3.5.5. (Euro VI only) Fuel consumption for heavy duty engines **U.K.**
- 3.5.5.1. ....
- 3.5.5.2. ....
- 3.5.5.3. ....
- 3.5.5.4. ....
- 3.5.5.5. ....
- 3.5.5.6. ....
- [<sup>F13</sup>3.5.7. CO<sub>2</sub> emissions and fuel consumption certification (for heavy-duty vehicles, as specified in Article 6 of Commission Regulation (EU) 2017/2400)
- 3.5.7.1. Simulation tool licence number:]

**Textual Amendments**

**F13** Inserted by [Commission Regulation \(EU\) 2017/2400 of 12 December 2017 implementing Regulation \(EC\) No 595/2009 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 and amending Directive 2007/46/EC of the European Parliament and of the Council and Commission Regulation \(EU\) No 582/2011 \(Text with EEA relevance\).](#)

- 3.6.5. Lubricant temperature **U.K.**

Minimum: ..... K

Maximum: ..... K

**Textual Amendments**

**F5** Substituted by [Commission Regulation \(EU\) 2017/1151 of 1 June 2017 supplementing Regulation \(EC\) No 715/2007 of the European Parliament and of the Council 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 information, amending Directive 2007/46/EC of the European Parliament and of the Council, Commission Regulation \(EC\) No 692/2008 and Commission Regulation \(EU\) No 1230/2012 and repealing Commission Regulation \(EC\) No 692/2008 \(Text with EEA relevance\).](#)

- 4. TRANSMISSION (<sup>P</sup>) **U.K.**
- 4.2. **Type** (mechanical, hydraulic, electric, etc.): ...
- 4.5. Gearbox **U.K.**
- 4.5.1. *Type* (manual/automatic/CVT (continuously variable transmission)) (<sup>1</sup>)
- [<sup>F5</sup>4.6. Gear ratios **U.K.**

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<b>Gear</b>	<b>Internal gearbox ratios (ratios of engine to gearbox output shaft revolutions)</b>	<b>Final drive ratio(s) (ratio of gearbox output shaft to driven wheel revolutions)</b>	<b>Total gear ratios</b>
Maximum for CVT			
1			
2			
3			
...			
Minimum for CVT Reverse			]

4.7. **Maximum vehicle design speed** (in km/h) <sup>(9)</sup>

4.9. **Tachograph:** yes/no <sup>(1)</sup>

4.9.1 *Approval mark:* ...

[<sup>F14</sup>4.11. Gear shift indicator (GSI) **U.K.**

4.11.1. Acoustic indication available yes/no <sup>(1)</sup>. If yes, description of sound and sound level at the driver's ear in dB(A). (Acoustic indication always switchable on/off)

4.11.2. Information according to point 4.6 of Annex I to Regulation (EU) No 65/2012 (determined at type-approval)]

#### Textual Amendments

**F14** Inserted by [Commission Regulation \(EU\) No 65/2012 of 24 January 2012 implementing Regulation \(EC\) No 661/2009 of the European Parliament and of the Council as regards gear shift indicators and amending Directive 2007/46/EC of the European Parliament and of the Council \(Text with EEA relevance\).](#)

5. **AXLES** **U.K.**

5.1. Description of each axle: ...

5.2. Make: ...

5.3. Type: ...

5.4. Position of retractable axle(s): ...

5.5. Position of loadable axle(s): ...

6. **SUSPENSION** **U.K.**

6.2. Type and design of the suspension of each axle or wheel: ...

6.2.1. Level adjustment: yes/no/optional <sup>(1)</sup>

6.2.3. Air-suspension for driving axle(s): yes/no <sup>(1)</sup>

- 6.2.3.1. Suspension of driving axle equivalent to air-suspension: yes/no <sup>(1)</sup>
- 6.2.4. Air-suspension for non-driving axle(s): yes/no <sup>(1)</sup>
- 6.2.4.1. Suspension of non-driving axle(s) equivalent to air-suspension: yes/no <sup>(1)</sup>
- [<sup>F5</sup>6.6.1. Tyre/wheel combination(s)] U.K.
  - (a) for tyres indicate size designation, load-capacity index, speed category symbol, rolling resistance in accordance with ISO 28580 (where applicable) <sup>(1)</sup>;
  - (b) for wheels indicate rim size(s) and off-set(s)
- 6.6.1.1. Axles
  - 6.6.1.1.1. Axle 1: ...
  - 6.6.1.1.2. Axle 2: ... U.K.
  - etc.
- 6.6.1.2. Spare wheel, if any: ...
- 6.6.2. Upper and lower limits of rolling radii U.K.
  - 6.6.2.1. Axle 1: ...
  - 6.6.2.2. Axle 2: ... U.K.
  - etc.
- 7. STEERING U.K.
  - 7.2. Transmission and control U.K.
    - 7.2.1. Type of steering transmission (specify for front and rear, if applicable): ...
    - 7.2.2. Linkage to wheels (including other than mechanical means; specify for front and rear, if applicable): ...
    - 7.2.3. Method of assistance, if any: ...
- 8. BRAKES U.K.
  - 8.5. Anti-lock braking system: yes/no/optional <sup>(1)</sup>
  - 8.9. Brief description of the braking system according to item 1.6 of the Addendum to Appendix 1 of Annex IX to Directive 71/320/EEC: ...
  - 8.11. Particulars of the type(s) of endurance braking system(s): ...
- 9. BODYWORK U.K.
  - [<sup>F5</sup>9.1. Type of bodywork using the codes defined in Part C of Annex II of Directive 2007/46/EC: ...]
  - 9.3. Occupant doors, latches and hinges U.K.
    - 9.3.1. Door configuration and number of doors: ...

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- 9.9. Devices for indirect vision **U.K.**
- 9.9.1. Rear-view mirrors, stating, for each rear-view mirror:
- 9.9.1.1. Make: ...
- 9.9.1.2. Type-approval mark: ...
- 9.9.1.3. Variant: ...
- 9.9.1.6. Optional equipment which may affect the rearward field of vision: ...
- 9.9.2. Devices for indirect vision other than mirrors: ...
- 9.9.2.1. Type and description of the device: ...
- 9.10. Interior arrangement **U.K.**
- 9.10.3. Seats **U.K.**
- 9.10.3.1. Number of seating positions (<sup>s</sup>): ...
- 9.10.3.1.1. Location and arrangement: ...
- 9.10.3.2. Seat(s) designated for use only when the vehicle is stationary: ...
- 9.10.4.1. Type(s) of head restraints: integrated/detachable/separate (<sup>1</sup>)
- 9.10.4.2. Type-approval number(s), if available: ...
- 9.10.8 Gas used as refrigerant in the air-conditioning system: ...
- 9.10.8.1. The air-conditioning system is designed to contain fluorinated greenhouse gases with a global warming potential higher than 150: yes/no (<sup>1</sup>)
- 9.12.2. Nature and position of supplementary restraint systems (indicate yes/no/optional): **U.K.**

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(L = left-hand side, R = right-hand side, C = centre)

		Front airbag	Side airbag	Belt pre-loading device
First row of seats	L			
	C			
	R			
Second row of seats <sup>a</sup>	L			
	C			
	R			

<sup>a</sup> The table may be extended as necessary for vehicles with more than two rows of seats or if there are more than three seats across the width of the vehicle.

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- 9.17. Statutory plates **U.K.**

- 9.17.1. Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number: ...
- 9.17.2. Photographs and/or drawings of the statutory plate and inscriptions (completed example with dimensions): ...
- 9.17.3. Photographs and/or drawings of the vehicle identification number (completed example with dimensions): ...
- 9.17.4.1. The meaning of characters in the second section and, if applicable, in the third section used to comply with the requirements of section 5.3 of ISO Standard 3779-1983 shall be explained: ...
- 9.17.4.2. If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779-1983, these characters shall be indicated: ...
- 9.22. Front under-run protection **U.K.**
- 9.22.0. Presence: yes/no/incomplete <sup>(1)</sup>
- 9.23. Pedestrian protection **U.K.**
- 9.23.1. A detailed description, including photographs and/or drawings, of the vehicle with respect to the structure, the dimensions, the relevant reference lines and the constituent materials of the frontal part of the vehicle (interior and exterior), including detail of any active protection system installed
- [<sup>F15</sup>9.24. Frontal protection systems
- 9.24.1. General arrangement (drawings or photographs) indicating the position and attachment of the frontal protection systems:
- 9.24.3. Complete details of fittings required and full instructions, including torque requirements, for fitting:]

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#### Textual Amendments

**F15** Substituted by [Regulation \(EC\) No 78/2009 of the European Parliament and of the Council of 14 January 2009 on the type-approval of motor vehicles with regard to the protection of pedestrians and other vulnerable road users, amending Directive 2007/46/EC and repealing Directives 2003/102/EC and 2005/66/EC \(Text with EEA relevance\).](#)

- 11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS **U.K.**
- 11.1. Class and type of the coupling device(s) fitted or to be fitted: ...
- 11.3. Instructions for attachment of the coupling type to the vehicle and photographs or drawings of the fixing points at the vehicle as stated by the manufacturer; additional information, if the use of the coupling type is restricted to certain variants or versions of the vehicle type: ...
- 11.4. Information of the fitting of special towing brackets or mounting plates: ...
- 11.5. Type-approval number(s): ...
- 12. MISCELLANEOUS **U.K.**

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- 12.7.1. Vehicle equipped with a 24 GHz short-range radar equipment: yes/no <sup>(1)</sup>
- 13. SPECIAL PROVISIONS FOR BUSES AND COACHES **U.K.**
- 13.1. **Class of vehicle:** Class I/Class II/Class III/Class A/Class B <sup>(1)</sup>
- 13.1.2. Chassis types where the type-approved bodywork can be installed (manufacturer(s), and vehicle(s) types): ...
- 13.3. **Number of passengers** (seated and standing)
  - 13.3.1. Total (N): ...
  - 13.3.2. Upper deck (N<sub>a</sub>) <sup>(1)</sup>: ...
  - 13.3.3. Lower deck (N<sub>b</sub>) <sup>(1)</sup>: ...
- 13.4. **Number of passengers** (seated)
  - 13.4.1. Total (A): ...
  - 13.4.2. Upper deck (A<sub>a</sub>) <sup>(1)</sup>: ...
  - 13.4.3. Lower deck (A<sub>b</sub>) <sup>(1)</sup>: ...
  - 13.4.4. Number of wheelchair positions for category M<sub>2</sub> and M<sub>3</sub> vehicles: ...
- 16. ACCESS TO VEHICLE REPAIR AND MAINTENANCE INFORMATION **U.K.**
- 16.1. Address of principal website for access to vehicle repair and maintenance information: ...
- B. Category O **U.K.**
- 0. GENERAL **U.K.**
- 0.1. Make (trade name of manufacturer): ...
- 0.2. Type: ...
  - 0.2.1. Commercial name(s) (if available): ...
- 0.3. Means of identification of type, if marked on the vehicle <sup>(b)</sup>: ...
  - 0.3.1. Location of that marking: ...
- 0.4. Category of vehicle <sup>(c)</sup>: ...
  - 0.4.1. Classification(s) according to the dangerous goods which the vehicle is intended to transport: ...
- [<sup>F3</sup>0.5. Company name and address of manufacturer: ...]
- 0.8. Name(s) and address(es) of assembly plant(s): ...
- 0.9. Name and address of the manufacturer's representative (if any): ...
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE **U.K.**



- 1.1. Photographs and/or drawings of a representative vehicle: ...
- 1.3. Number of axles and wheels: ...
  - 1.3.1. Number and position of axles with twin wheels: ...
  - 1.3.2. Number and position of steered axles: ...
- 1.4. Chassis (if any) (overall drawing): ...
- [<sup>F4</sup>1.9. Specify if the towing vehicle is intended to tow semi-trailers or other trailers and, if the trailer is a semi-, drawbar-, centre-axle- or rigid drawbar trailer: ...
- 1.10. Specify if the vehicle is specially designed for the controlled-temperature carriage of goods: ...]
- [<sup>F3</sup>2. **MASSES AND DIMENSIONS (<sup>f</sup>)(<sup>g</sup>)(<sup>7</sup>) U.K.**  
(in kg and mm) (Refer to drawing where applicable)]
  - 2.1. Wheelbase(s) (fully loaded) (<sup>g</sup><sup>1</sup>): **U.K.**
    - 2.1.1. Two-axle vehicles: ...
    - 2.1.2. Vehicles with three or more axles **U.K.**
      - 2.1.2.1. Axle spacing between consecutive axles going from the foremost to the rearmost axle: ...
      - 2.1.2.2. Total axle spacing: ...
  - 2.3.1. Track of each steered axle (<sup>g</sup><sup>4</sup>): ...
  - 2.3.2. Track of all other axles (<sup>g</sup><sup>4</sup>): ...
  - 2.4. Range of vehicle dimensions (overall) **U.K.**
    - 2.4.1. For chassis without bodywork **U.K.**
      - 2.4.1.1. Length (<sup>g</sup><sup>5</sup>): ...
        - 2.4.1.1.1. Maximum permissible length: ...
        - 2.4.1.1.2. Minimum permissible length: ...
        - 2.4.1.1.3. In the case of trailers, maximum permissible drawbar length (<sup>g</sup><sup>6</sup>): ...
      - 2.4.1.2. Width (<sup>g</sup><sup>7</sup>): ...
        - 2.4.1.2.1. Maximum permissible width: ...
        - 2.4.1.2.2. Minimum permissible width: ...
    - 2.4.2. For chassis with bodywork **U.K.**
      - 2.4.2.1. Length (<sup>g</sup><sup>5</sup>): ...
        - 2.4.2.1.1. Length of the loading area: ...
        - 2.4.2.1.2. In the case of trailers, maximum permissible drawbar length (<sup>g</sup><sup>6</sup>): ...

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- 2.4.2.2. Width (<sup>g7</sup>): ...
- 2.4.2.2.1. Thickness of the walls (in the case of vehicles designed for controlled-temperature transport of goods): ...
- 2.4.2.3. Height (in running order) (<sup>g8</sup>) (for suspension adjustable for height, indicate normal running position): ...
- [<sup>F3</sup>2.6. **Mass in running order** (<sup>h</sup>) **U.K.**
- (a) minimum and maximum for each variant: ...
- (b) mass of each version (a matrix must be provided): ...
- 2.6.1. Distribution of this mass among the axles and, in the case of a semi-trailer a rigid drawbar trailer or a centre-axle trailer, the mass on the coupling: ... **U.K.**
- (a) minimum and maximum for each variant: ...
- (b) mass of each version (a matrix must be provided): ...]
- [<sup>F4</sup>2.6.2. Mass of the optional equipment (as defined in point (5) of Article 2 of Regulation (EU) No 1230/2012: ...]
- 2.7. **Minimum mass of the completed vehicle** as stated by the manufacturer, in the case of an incomplete vehicle: ...
- 2.8. **Technically permissible maximum laden mass** stated by the manufacturer (<sup>i</sup>)(<sup>3</sup>): ...
- 2.8.1. Distribution of this mass among the axles, and in the case of a semi-trailer or centre-axle trailer, load on the coupling point (<sup>3</sup>): ...
- 2.9. **Technically permissible maximum mass on each axle**: ...
- [<sup>F3</sup>2.10. **Technically permissible mass on each group of axles**: ...]
- [<sup>F3</sup>2.12. **Technically permissible maximum mass at the coupling point**:
- 2.12.2. Of a semi-trailer, a centre-axle trailer or a rigid drawbar trailer: ...]
- [<sup>F3</sup>2.16. **Registration/in service maximum permissible masses (optional)**
- 2.16.1. Registration/in service maximum permissible laden mass: ...
- 2.16.2. Registration/in service maximum permissible mass on each axle and, in the case of a semi-trailer or centre-axle trailer, intended load on the coupling point stated by the manufacturer if lower than the technically permissible maximum mass on the coupling point: ...
- 2.16.3. Registration/in service maximum permissible mass on each group of axles: ...]
- 2.16.4. Intended registration/in service maximum permissible towable mass (several entries possible for each technical configuration (<sup>5</sup>)): ...
- <sup>F16</sup>2.16.5. ....

### Textual Amendments

**F16** Deleted by [Commission Regulation \(EU\) No 1230/2012 of 12 December 2012 implementing Regulation \(EC\) No 661/2009 of the European Parliament and of the Council with regard to type-approval requirements for masses and dimensions of motor vehicles and their trailers and amending Directive 2007/46/EC of the European Parliament and of the Council \(Text with EEA relevance\).](#)

4. TRANSMISSION **U.K.**
- 4.7. Maximum vehicle design speed (in km/h) <sup>(4)</sup>
5. AXLES **U.K.**
- 5.1. Description of each axle: ...
- 5.2. Make: ...
- 5.3. Type: ...
- 5.4. Position of retractable axle(s): ...
- 5.5. Position of loadable axle(s): ...
6. SUSPENSION **U.K.**
- 6.2. Type and design of the suspension of each axle or wheel: ...
- 6.2.1. Level adjustment: yes/no/optional <sup>(1)</sup>
- 6.2.4. Air-suspension for non-driving axle(s): yes/no <sup>(1)</sup>
- 6.2.4.1. Suspension of non-driving axle(s) equivalent to air-suspension: yes/no <sup>(1)</sup>
- 6.6.1. Tyre/wheel combination(s) **U.K.**
- (a) for tyres indicate size designation, load-capacity index, speed category symbol, rolling resistance in accordance with ISO 28580 (where applicable) <sup>(1)</sup>;
- (b) for wheels indicate rim size(s) and off-set(s)
- 6.6.1.1. *Axles* **U.K.**
- 6.6.1.1.1. Axle 1: ...
- 6.6.1.1.2. Axle 2: ... **U.K.**
- etc.
- 6.6.1.2. Spare wheel, if any: ...
- 6.6.2. Upper and lower limit of rolling radii **U.K.**
- 6.6.2.1. Axle 1: ...
- 6.6.2.2. Axle 2: ... **U.K.**
- etc.
7. STEERING **U.K.**

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- 7.2. Transmission and control **U.K.**
- 7.2.1. Type of steering transmission (specify for front and rear, if applicable): ...
- 7.2.2. Linkage to the wheels (including other than mechanical means; specify for front and rear, if applicable): ...
- 7.2.3. Method of assistance, if any: ...
- 8. BRAKES **U.K.**
- 8.5. Antilock braking system: yes/no/optional (<sup>1</sup>)
- 8.9. Brief description of the braking system, according to item 1.6 of the addendum to Appendix 1 of Annex IX to Directive 71/320/EEC: ...
- 9. BODYWORK **U.K.**
- 9.1. Type of bodywork using the codes defined in Part C of Annex II: ...
- 9.17. Statutory plates **U.K.**
- 9.17.1. Photographs and/or drawings of the locations of the statutory plates and inscriptions and of the vehicle identification number: ...
- 9.17.2. Photographs and/or drawings of the statutory plate and inscriptions (completed example with dimensions): ...
- 9.17.3. Photographs and/or drawings of the vehicle identification number (completed example with dimensions): ...
- 9.17.4.1. The meaning of characters in the second section and, if applicable, in the third section used to comply with the requirements of section 5.3 of ISO Standard 3779-1983 shall be explained: ...
- 9.17.4.2. If characters in the second section are used to comply with the requirements of section 5.4 of ISO Standard 3779-1983 these characters shall be indicated: ...
- 11. CONNECTIONS BETWEEN TOWING VEHICLES AND TRAILERS AND SEMI-TRAILERS **U.K.**
- 11.1. Class and type of the coupling device(s) fitted or to be fitted: ...
- 11.5. Type-approval number(s): ...]