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ANNEX II

REQUIREMENTS AND PROCEDURES RELATED TO THE OPERATION OF THE SIMULATION TOOL

1. The processes to be set up by the vehicle manufacturer with a view to the operation of the simulation tool
 - 1.1. The manufacturer shall set up at least the following processes:
 - 1.1.1 A data management system covering sourcing, storing, handling and retrieving of the input information and input data for the simulation tool as well as handling certificates on the CO₂ emissions and fuel consumption related properties of a component families, separate technical unit families and system families. The data management system shall at least:
 - (a) ensure application of correct input information and input data to specific vehicle configurations
 - (b) ensure correct calculation and application of standard values;
 - (c) verify by means of comparing cryptographic hashes that the input files of component families, separate technical unit families and system families which are used for the simulation corresponds to the input data of the component families, separate technical unit families and system families for which the certification has been granted;
 - (d) include a protected database for storing the input data relating to the component families, separate technical unit families or system families and the corresponding certificates of the CO₂ emissions and fuel consumption related properties;
 - (e) ensure correct management of the changes of specification and updates of components, separate technical units and systems;
 - (f) enable tracing of the components, separate technical units and systems after the vehicle is produced.
 - 1.1.2 A data management system covering retrieving of the input information and input data and calculations by means of the simulation tool and storing of the output data. The data management system shall at least:
 - (a) ensure a correct application of cryptographic hashes;
 - (b) include a protected database for storing the output data;
 - 1.1.3 Process for consulting the dedicated electronic distribution platform referred to in Article 5(2) and Article 10(1) and (2), as well as downloading and installing the latest versions of the simulation tool.
 - 1.1.4 Appropriate training of staff working with the simulation tool.
 2. Assessment by the approval authority
 - 2.1. The approval authority shall verify whether the processes set out in point 1 related to the operation of the simulation tool have been set up.

The approval authority shall also verify the following:

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- (a) the functioning of the processes set out in points 1.1.1, 1.1.2 and 1.1.3 and the application of the requirement set out in point 1.1.4;
- (b) that the processes used during the demonstration are applied in the same manner in all the production facilities manufacturing the vehicle group concerned;
- (c) the completeness of the description of the data and process flows of operations related to the determination of the CO₂ emissions and fuel consumption of the vehicles.

For the purpose of point (a) of the second paragraph, The verification shall include determination of the CO₂ emissions and fuel consumption of at least one vehicle from each of the vehicle groups for which the licence has been applied for.

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Appendix 1

MODEL OF AN INFORMATION DOCUMENT FOR THE PURPOSES OF OPERATING THE SIMULATION TOOL WITH A VIEW TO DETERMINING THE CO₂ EMISSIONS AND FUEL CONSUMPTION OF NEW VEHICLES

SECTION

I

Name and address of manufacturer:

2 Assembly plants for which the processes referred to in point 1 of Annex II of Regulation (EU) 2017/2400 have been set up with a view to the operation of the simulation tool:

3 Vehicle groups covered:

4 Name and address of the manufacturer's representative (if any)

SECTION Additional information 1.1.

II

Data and process flow handling description (e.g. flow chart)

1.2

Description of quality management process

1.3

Additional quality management certificates (if any)

1.4

Description of simulation tool data sourcing, handling and storage

1.5

Additional documents (if any)

2. Date: ...

3. Signature: ...

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Appendix 2

MODEL OF A LICENCE TO OPERATE THE SIMULATION TOOL WITH A VIEW TO DETERMINING CO₂ EMISSIONS AND FUEL CONSUMPTION OF NEW VEHICLES

Maximum format: A4 (210 × 297 mm)

LICENCE TO OPERATE THE SIMULATION TOOL WITH A VIEW TO DETERMINING CO₂ EMISSIONS AND FUEL CONSUMPTION OF NEW VEHICLES

Communication concerning:	Administration stamp
— granting ^a	
— extension ^a	
— refusal ^a	
— withdrawal ^a	
a Delete where not applicable (there are cases where nothing needs to be deleted when more than one entry is applicable)	

of the licence to operate simulation tool with regard to Regulation (EC) No 595/2009 as implemented by Regulation (EU) 2017/2400.

Licence number:

Reason for extension: ...

SECTION 1

I

Name and address of manufacturer:

0.2 Assembly plants for which the processes referred to in point 1 of Annex II of Commission Regulation (EU) 2017/2400 have been set up with a view to the operation of the simulation tool

0.3 Vehicle groups covered:

SECTION 1.1 Additional information

II

Assessment report performed by an approval authority

1.2.

Data and process flow handling description (e.g. flow chart)

1.3.

Description of quality management process

1.4.

Additional quality management certificates (if any)

1.5.

Description of simulation tool data sourcing, handling and storage

1.6

Additional documents (if any)

2. Approval authority responsible for carrying out the assessment

3. Date of the assessment report

4. Number of assessment report report

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5. Remarks (if any): see Addendum
6. Place
7. Date
8. Signature

Changes to legislation:

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Changes and effects yet to be applied to :

- Annex 2 point 1.1.3 words omitted by S.I. 2022/1273 reg. 83(2)(a)

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\(10\)](#)