Commission Implementing Decision (EU) 2020/728 of 29 May 2020 on the approval of the efficient generator function used in 12 volt motorgenerators for use in certain passenger cars and light commercial vehicles as an innovative technology pursuant to Regulation (EU) 2019/631 of the European Parliament and of the Council (Text with EEA relevance)

Article 2 B Article 3 A Article 4 C Article 5 E Article 6 E	anovative technology aseline technology pplication for certification of CO2 saving ertification of CO2 savings co-innovation code ntry into force ignature
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ANNEX

METHODOLOGY TO DETERMINE THE CO2 SAVINGS OF THE EFFICIENT GENERATOR FUNCTION IN 12 VOLT MOTOR-GENERATORS FOR USE IN CERTAIN PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES

- 1. INTRODUCTION
- 2. SYMBOLS, PARAMETERS AND UNITS

Symbols Subscripts

3. DETERMINATION OF THE EFFICIENCY

Formula 1

Formula 2

Formula 3

Formula 4

Formula 5

4. CALCULATION OF THE CO2 SAVINGS

Formula 6

5. CALCULATION OF THE STATISTICAL ERROR

Formula 7

Formula 8

Formula 9

6. STATISTICAL SIGNIFICANCE

Formula 10

7. THE 12 VOLT MOTOR-GENERATOR WITH AN EFFICIENT GENERATOR FUNCTION TO...

Changes to legislation: This version of this Decision was derived from EUR-Lex on IP completion day (31 December 2020 11:00 p.m.). It has not been amended by the UK since then. Find out more about legislation originating from the EU as published on legislation.gov.uk. (See end of Document for details)

- (1) OJ L 111, 25.4.2019, p. 13.
- (2) Commission Implementing Regulation (EU) No 725/2011 of 25 July 2011 establishing a procedure for the approval and certification of innovative technologies for reducing CO₂ emissions from passenger cars pursuant to Regulation (EC) No 443/2009 of the European Parliament and of the Council (OJ L 194, 26.7.2011, p. 19).
- (3) Commission Implementing Decision (EU) 2017/785 of 5 May 2017 on the approval of efficient 12 V motor-generators for use in conventional combustion engine powered passenger cars as innovative technology for reducing CO₂ emissions from passenger cars pursuant to Regulation (EC) No 443/2009 of the European Parliament and of the Council (OJ L 118, 6.5.2017, p. 20).
- (4) Commission Implementing Regulation (EU) No 427/2014 of 25 April 2014 establishing a procedure for the approval and certification of innovative technologies for reducing CO₂ emissions from light commercial vehicles pursuant to Regulation (EU) No 510/2011 of the European Parliament and of the Council (OJ L 125, 26.4.2014, p. 57).
- (5) Regulation (EC) No 443/2009 of the European Parliament and of the Council of 23 April 2009 setting emission performance standards for new passenger cars as part of the Community's integrated approach to reduce CO2 emissions from light-duty vehicles (OJ L 140, 5.6.2009, p. 1).
- (6) https://circabc.europa.eu/w/browse/f3927eae-29f8-4950-b3b3-d2e700598b52
- (7) Commission Regulation (EC) No 692/2008 of 18 July 2008 implementing and amending 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 (OJ L 199, 28.7.2008, p. 1).
- (8) Regulation No 101 of the Economic Commission for Europe of the United Nations (UN/ECE) Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range, and of categories M₁ and N₁ vehicles powered by an electric power train only with regard to the measurement of electric energy consumption and electric range (OJ L 138, 26.5.2012, p. 1).
- (9) Directive 2007/46/EC of the European Parliament and the Council of 5 September 2007 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) (OJ L 263, 9.10.2007, p. 1).
- (10) 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 (OJ L 175, 7.7.2017, p. 1).

Changes to legislation:

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