

Commission Implementing Decision of 27 June 2013 on the approval of the Valeo Efficient Generation Alternator as an innovative technology for reducing CO2 emissions from passenger cars pursuant to Regulation (EC) No 443/2009 of the European Parliament and of the Council (Text with EEA relevance) (2013/341/EU) (repealed)

- Article 1 (1) The Valeo Efficient Generation Alternator having an efficiency of...
- Article 2 This Decision shall enter into force on the 20th day...

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ANNEX

Methodology for determining the reduction in CO2 emissions due to the use of the Valeo Efficient Generation Alternator in an M1 vehicle

1. Introduction
2. Testing procedure
3. Test bench
4. Measuring the torque and calculating the efficiency of the alternator...
5. Standard deviation of the arithmetic mean value of the efficiency...
6. Error in the CO2 savings due to the standard deviation...
7. Calculation of the accountable share of the mechanical power saving...
8. Formula to calculate the CO2 savings
9. Statistical Significance
10. The high efficient alternator to be implemented in vehicles
11. Eco-innovation code to be entered into type approval documentation

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**Changes to legislation:** There are currently no known outstanding effects for the Commission Implementing Decision of 27 June 2013 on the approval of the Valeo Efficient Generation Alternator as an innovative technology for reducing CO<sub>2</sub> emissions from passenger cars pursuant to Regulation (EC) No 443/2009 of the European Parliament and of the Council (Text with EEA relevance) (2013/341/EU) (repealed). (See end of Document for details)

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- (1) OJ L 140, 5.6.2009, p. 1.
- (2) OJ L 194, 26.7.2011, p. 19.
- (3) [http://ec.europa.eu/clima/policies/transport/vehicles/cars/docs/guidelines\\_en.pdf](http://ec.europa.eu/clima/policies/transport/vehicles/cars/docs/guidelines_en.pdf)

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