



**Framework Contract on Vehicle Emissions
(Env. C.3/FRA/2009/0043) - Service request
No.1: Support for the revision of Regulation
No 443/2009/EC on CO₂ emissions from cars**

Commissioned by

European Commission, DG Environment

Carried out by

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In co-operation with

TNO (NL), Ricardo (UK), IHS Global Insight (UK), CE DELFT (NL), AEA (UK)

Duration

2009 - 2011

Background and task

Within the DG ENV framework contract on vehicle emissions, the consortium of TNO, AEA, Okopol, CE, IHS Global Insight, Ricardo and TML answered a first service request of the European Commission on CO₂ emissions of passenger cars.

The aim of this project is to advise the commission on CO₂ limit values and how they can be achieved.

Objective and expected results

In a first phase, technological options will be reviewed in order to provide insight into the state-of-the-art vehicle emission reduction options including setting up abatement cost curves. In the second phase utility parameters for vehicles will be analysed, which have the potential to improve the match between vehicle classification/utility and its CO₂ emissions. The theoretic values will be put into practice in task 3, where an evaluation of different modalities to reach a given emissions target (95g/km by 2020) will be carried out.

In task 4 a review on the effects of introducing new technology on consumer behavior will be performed. These working step will allows the consortium to draw a complete impact assessment on overall transport CO₂ emissions, and the contribution of going to 95g to the 2020 target.

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