

EU-Proposal

THE 2020 CO₂ EMISSIONS FROM NEW PASSENGER CARS

cepPolicy Brief No. 45/2012 of 5 November 2012

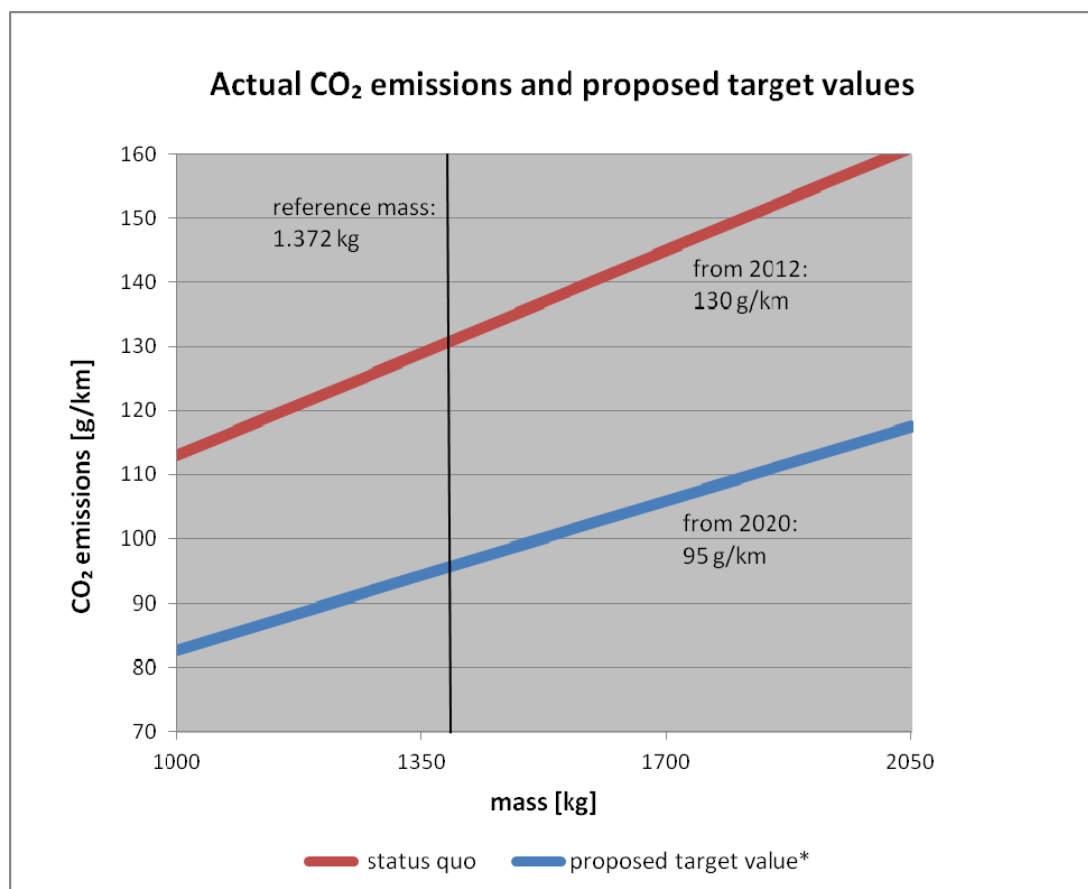
Proposal COM(2012) 393 of 11 July 2012 for a **Regulation** of the European Parliament and the Council on amending the Regulation (EC) No 443/2009 to define the modalities for reaching the 2020 target **to reduce CO₂ emissions from new passenger cars**.

Calculation of the CO₂ target

- ▶ Since 2012 every passenger car manufacturer has to ensure that the average CO₂ emissions of his new car fleet doesn't exceed the manufacturer specific CO₂ target (Art. 4).
- ▶ This CO₂ target is the result of a fixed basic amount and a variable additional amount which increases or reduces the basic amount (Annex I).
- ▶ Manufacturers have to determine the specific CO₂ emissions of every new passenger car. The average specific CO₂ emissions of the new car fleet result in the manufacturer specific CO₂ target.

$$\text{Specific CO}_2 \text{ emissions} = S + a \times (M - M_0)$$

- S = basic amount; currently: 130 g CO₂/km, planned from 2020 onwards: 95 g CO₂/km
- a × (M – M₀) = additional amount
- a = currently: 0,0457, planned from 2020 onwards: 0,0333
- M = mass of the passenger car in kilogram
- M₀ = reference mass; currently 1.372 kg



Source: own graphic

* The reference mass of 1.372 kg, valid till the end of 2015, was used for the planned limit.