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PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 103
(Replacement catalytic converters)

Transmitted by the Expert from Poland

Note: The text reproduced below was prepared by the expert from Poland in order to amend the prescriptions concerning noise and exhaust back-pressure of replacement catalytic converters. It is based on a document distributed without a symbol (informal document No. 10) during the thirty-seventh session of GRPE (TRANS/WP.29/GRPE/37, paras. 57 and 58).

Note: This document is distributed to the Experts on Pollution and Energy only.

A. PROPOSAL

Paragraph 5.3., amend to read:

"5.3. Requirements regarding noise and vehicle performance.

The replacement catalytic converter shall satisfy the technical requirements of Regulation No. 59. As an alternative to the measurement of back-pressure as specified in Regulation No. 59, the verification of the vehicle performance can be performed by measuring on a chassis dynamometer the maximum absorbed power at a speed corresponding to the engine maximum power. The value determined under reference atmospheric conditions as specified in Regulation No. 85 with the replacement catalytic converter shall not be lower by more than 3 per cent than that determined with the original equipment catalytic converter."

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B. JUSTIFICATION

It is sometimes time-consuming to prepare a vehicle for the measurement of back-pressure (removal of exhaust system components, welding a pressure tap, reassembly). In some vehicles it is not possible to meet the requirements for the position of the measuring point specified in Annex 4 to Regulation No. 59. The above amendment is expected to simplify the verification of vehicle performance.
