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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Noise****Fifty-eighth session**

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Item 4 of the provisional agenda

Regulation No. 59 (Replacement silencing systems)**Proposal for Supplement 1 to the 01 series of amendments to
Regulation No. 59****Submitted by the expert from the European Association of Automotive
Suppliers (CLEPA) ***

The text reproduced below was prepared by the experts from the European Association of Automotive Suppliers (CLEPA) to introduce Additional Sound Emission Provisions (ASEP) into the UN Regulation. It is based on a document without symbol (GRB-57-27) distributed at the fifty-seventh session of the Working Party on Noise (GRB)(ECE/TRANS/WP.29/GRB/55, para. 12). The modifications to the existing text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

Paragraph 2.4., insert a new paragraph 2.4. to read:

"2.4. **"Silencing system or silencing system component with variable geometry"** means a silencing system or silencing system component containing one or more moving parts or devices which, by changing the silencing system or silencing system component geometry, may change its noise reduction performance (e.g. moving parts or devices changing the noise reduction performances by opening or closing one or more valves in the exhaust gas flow as a function of varying driving or engine conditions (rpm, load, speed, etc.);"

Paragraph 2.4.to 2.7.6., renumber as paragraphs 2.5., 2.6., 2.7., 2.8., 2.8.1., 2.8.2., 2.8.3, 2.8.4., 2.8.5. and 2.8.6.

Paragraph 6.2.2., amend to read:

"6.2.2. The noise reduction performance ... For vehicles type approved before the introduction into Regulation No. 51 of the requirements of Annex 10 (ASEP) the requirements of paragraph **6.2.3. hereafter do not apply.**"

Insert new paragraphs 6.2.3. to 6.2.3.3., to read:

"6.2.3. **Additional Sound Emission Provisions (ASEP)**

Any replacement silencing system or component shall fulfil the applicable specifications of Annex 10 to Regulation No. 51 (ASEP).

6.2.3.1. **In case the replacement silencing system or component is a system or component with variable geometry in the application for type approval, the manufacturer shall provide a statement that the silencing system type to be approved complies with the requirements of paragraph 6.2.3.. The type-approval authority may require relevant test to verify the compliance of the silencing system type to the ASEP provisions.**

6.2.3.2. **In case the replacement silencing system or component is not a system with variable geometry, it is sufficient in the application for type approval that the manufacturer provide a statement that the silencing system type to be approved complies with the requirements of paragraph 6.2.3..**

6.2.3.3. **The compliance statement shall read as follows: "(Name of the manufacturer) attests that the silencing system of this type complies with the requirements of 6.2.3. of Annex 10 to Regulation No. 51. (Name of the manufacturer) makes this statement in good faith after having performed an appropriate engineering evaluation of the sound emission performance over the applicable range of operating conditions."**

II. Justification

1. The expert from CLEPA proposes that these amendments concerning the ASEP provisions be inserted into UN Regulation No. 59 as soon as UN Regulation No. 51 is amended accordingly.

2. The principle of these provisions is in line with the draft proposal (Reference 2011/XXXX (COD)) of the European Commission "Proposal of the European Parliament and of the Council on the sound level of motor vehicles and of their exhaust systems".
 3. It also follows the general opinion expressed by GRB at its fifty-sixth session.
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