

Regulation No. 59
(Replacement Silencing Systems)

Draft proposal of amendments to Regulation No. 59

The amendment of the text of Regulation N° 59, including the 01 series of amendments to Regulation N° 59 (ECE/TRANS/WP.29/2011/65) are marked in bold or strikethrough characters.

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 to read 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:

The noise reduction performance of the replacement silencing system or components of said system shall be verified by means of the methods described in paragraphs 6.2.1., 6.2.2. and 6.2.3. of Regulation No. 51. In particular, for the application of this paragraph, reference shall be made to the amendment level of Regulation No. 51 which was in force at the time of type approval of the new vehicle. **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 a new paragraph 6.2.3.

"6.2.3. Additional sound emission provisions (ASEP)

Any replacement silencing system or component has to 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 **the measurements shall be reported in order to demonstrate that the replacement silencing system or component complies with the requirements of paragraph 6.2.3. above.**

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 provides 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 any relevant test to verify the compliance of the silencing system type to the ASEP provisions.**

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

Further to the comments expressed by the Experts attending the previous GRB Sessions and to the documents currently available i.e. ECE/TRANS/WP.29/GRB/55, para. 12 and ECE/TRANS/WP.29/GRB/2013/8, CLEPA proposes to insert, in Regulation No. 59, the amendments concerning the ASEP provisions as soon as Regulation No. 51 has been accordingly amended.

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”.
