

**Economic and Social Council**Distr.: General
20 June 2019

Original: English

Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Noise and Tyres****Seventieth session**

Geneva, 11-13 September 2019

Item 2 of the provisional agenda

UN Regulation No. 9 (Noise of three-wheeled vehicles)**Proposal for a Supplement to the 08 series of amendments to
UN Regulation No. 9 (Noise of three-wheeled vehicles)****Submitted by the expert from the International Motorcycle
Manufacturers Association (IMMA)***

The text reproduced below was prepared by the expert from IMMA with a view to correcting an inconsistency in ECE/TRANS/WP.29/2019/6 on the exemption conditions for the additional sound emission provisions (ASEP) for vehicles with variable gear ratios or automatic transmission with non-lockable gear ratios. It is based upon informal document GRB-69-14 presented by IMMA at the sixty-ninth session of the Working Party on Noise (22-25 January 2019). The modifications to ECE/TRANS/WP.29/2019/6 are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, Cluster 3), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Annex 6,

Paragraph 1.2., first indent, amend to read:

"1.2. Vehicles with variable gear ratios or automatic transmission with non-lockable gear ratios are exempted from the requirements of this Annex, if the vehicle manufacturer provides technical documents to the Type Approval Authority showing, that the vehicle's engine speed at BB' does neither exceed $1.15 \cdot n_{BB'_{ref}}$ (~~$n_{BB'} + 0.05 \cdot (n_{rated} - n_{idle})$~~) nor fall below $0.85 \cdot n_{BB'_{ref}}$ (~~$n_{BB'} - 0.05 \cdot (n_{rated} - n_{idle})$~~) for any test condition inside the ASEP control range defined in paragraph 2.5. below, where **$n_{BB'_{ref}}$ is calculated in accordance to paragraph 3.3.1. of this Annex.** (~~$n_{BB'}$ is the average engine speed at BB' from the two valid acceleration tests according to paragraphs 2. and 3. of Annex 3.~~)

..."

Paragraph 2.5. (d), last sentence, delete:

"2.5. ...
 ~~$n_{BB'_{ref}}$ is calculated in accordance to paragraph 3.3.1. of this Annex."~~

II. Justification

1. ECE/TRANS/WP.29/2019/6 (European Commission), which introduced ASEP into UN Regulation No. 9, was adopted by the World Forum for Harmonization of Vehicle Regulations (WP.29) in March 2019 as the new 08 series of amendments.
 2. In ECE/TRANS/WP.29/2019/6, there is an inconsistency on the ASEP exemption range for vehicles with variable gear ratios or automatic transmission with non-lockable gear ratios. IMMA proposes to redefine the engine speed window for exemption.
 3. The last sentence of paragraph 2.5. (d) in Annex 6 can be deleted, because in this proposal it is already covered in paragraph 1.2. of Annex 6.
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