|  |  |
| --- | --- |
| Transmitted by the expert from Germany | Informal document **GRBP-70-04**  (70th GRB, 11-13 September 2019,  agenda item 14) |

**Proposal for Supplement 2 to the 01 series of**

**amendments to Regulation No. 138**

The text reproduced below was prepared by the expert from Germany. The proposed amend­ments to the current Regulation are incorporated into the consolidated text and marked in bold for new or strikethrough for deleted characters.

6.3.4. Additional sound emission provisions (ASEP)

*Modification of paragraph 6.2.7 with two new sub-paragraphs:*

6.2.7. **Specifications on maximum sound level for AVAS**

6.2.7.**1.** When tested under the conditions of Annex 3 paragraph 3.3.2., a vehicle which is equipped with an AVAS, **for compliance of the vehicle with this Regulation for the speed range of equal or greater than 0 km/h up to and inclusive 20 km/h,** shall not emit an overall sound level of more than 75 dB(A), if driving in forward direction[[1]](#footnote-1).

**6.2.7.2. A vehicle equipped with an AVAS shall be deemed compliant to this regulation even when the vehicle equipped with an AVAS emits a sound greater than 75dB (A) at a vehicle speed greater than 20 km/h provided the vehicle complies to paragraph 6.2.3. of UN Regulation 51.**

**Justification:**

*UN-Regulation No. 138 requires only a maximum sound pressure level at the tested vehicle speeds in accordance to paragraph 3.3.2 of Annex 3 (forward direction, max. 20 km/h). Above 20 km/h there is no maximum sound pressure limit. To have a clear boarder between the requirements of this Regulation and the UN-Regulation No. 51 it is necessary to change paragraph 6.2.7 as above. Otherwise it would be possible, that a sound actuator can be used on an EV/HEV up to 20 km/h as an AVAS, and above this speed it can be used without any maximum sound pressure level.*

*The modification was discussed during the 12th meeting of IWG ASEP. The IWG ASEP was of the opinion that the amendment of the UN Regulation No. 138 was absolutely necessary.*

1. 3 The maximum overall sound pressure level of 75 dB(A) measured at a distance of 2 m is corresponding to the overall sound pressure level of 66 dB(A) measured at a distance of 7.5 m. The limit value of 66 dB(A) at a distance of 7.5 m is the lowest permitted maximum value in Regulations established under the 1958 Agreement. [↑](#footnote-ref-1)