

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 direction¹.
- 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.

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.