

**Proposal for Additional Sound Emission Provisions (ASEP)
to the draft version of UNECE Regulation No. 51:03**

Submitted by OICA

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6.2.3 Additional sound emission provisions

The additional sound emission provisions apply to vehicles of categories M1 and N1 only.

They are preventive requirements intended to also cover driving conditions of the vehicle in real traffic, which can be environmentally relevant concerning their sound emission and which differ from those during type approval, described in Annex 3.

- 6.2.3.1 The vehicle manufacturer shall not intentionally alter, adjust, or introduce any mechanical, electrical, thermal, or other device or procedure solely for the purpose of fulfilling the noise emission requirements as specified in this regulation and as determined by the test procedure of Annex 3 but which will not be operational during typical on-road operation. These measures are referred to as "cycle detection".
- 6.2.3.2 Any control device, function, system or measure that could affect the noise output may be installed on a vehicle provided that:
- it is activated only for such purposes as engine protection, cold starting or warming up, or
 - it is activated only for such purposes as operational security or safety and limp-home strategies, or
 - it is required to fulfil other regulations
- 6.2.3.3 The sound emission of the vehicle under normal driving conditions different from the conditions of the type approval test in Annex 3 shall not differ considerably from what can be expected from the type approval test result for this specific vehicle with regard to technical practicability.

The manufacturer shall provide to the technical service a documentation according to paragraphs 2.5 and 3.2 and additionally in cases of doubt about a specific measure, further documentation and/or test results that demonstrate the function of this system. The technical service shall have the possibility to repeat the test(s).
