

Annex III

Terms of Reference of the Informal Working Group on Annex 7 "Additional Sound Emission Provisions (ASEP)" to the 03 series of amendments to Regulation No. 51 and 04 Series of amendments to Regulation No.41

A. Introduction

1. Within the informal group for the future work of GRB and during the sixty-second, sixty-third and sixty-fourth sessions of GRB, several concerns about ASEP were presented:

- Updating and simplification of the text to improve its clarity in the short term.
- Missing sound limit values for N_1 and off-road vehicles in Annex 7, paragraph 5.3.
- New test methods would be necessary in Regulation No. 51 for serial hybrid vehicles that are excluded from ASEP until 30 June 2019.
- ASEP as part of type approval (not as a manufacturer declaration).
- ASEP as an important element of a "toolbox" (Annex 3, Annex 7, PTI, manipulations, after-market silencers, better conditions for road checks ...) deemed to tackle elements of real-world sound emissions, to be revised preliminary to future legislative initiatives modifying Type-approval sound limits.
- More general technical review in cooperation with ISO (improvement of methods).
- Proposal to create an IWG for ASEP starting in 2016.

2. This proposal establishes the Terms of Reference of a new IWG ASEP (Regulation No. 51 and Regulation No.41 under the 1958 Agreement).

3. The aim of the group is to propose improvements of [these](#) Regulations.

B. Objective of Informal Working Group on Additional Sound Emission Provisions

4. The scope and objective are based on Informal document GRB-64-16.

5. The scope shall initially cover M_1 and N_1 and L_3 categories.

6. As a primary objective, IWG ASEP shall:

In the short term (for the ~~sixty-fifth~~ session of GRB from ~~in February 2017~~ September 2018 to September 2019)

- ~~• continue the work done by ISO to update and simplify the text to improve its clarity;~~
- ~~• propose missing limits, e.g. N_1 from the 02 series of amendments to Regulation No. 51 in reference sound assessment;~~
- re-structure the text for better understanding.
- Interpretation of paragraph 6.2.3. of Regulation No.51-03
- Data collections of all Driving conditions of existing vehicles M_1 , N_1 and L_3
- Correlation of data with existing or new models

In the mid and long-term

- review and improve test procedure for automatic transmission in non-locked transmission condition;
- propose a test procedure for hybrid vehicles and new technologies of vehicles;
- propose a simplified test procedure and/or alternative test (such as indoor testing) to save time and to enable direct application of ASEP during type approval.

7. In addition, IWG ASEP might also propose a general principle for revision of ASEP regarding:

- Consideration of scope and target to elaborate on sound behaviours that are subject to criticism;
- Improve the effectiveness of the method regarding off-cycle tests, etc.;
- Field of application;
- Control range (method to be more representative for urban driving behaviour);
- Consider harmonization with ASEP in Regulation No. 41 ~~if possible~~.

8. IWG ASEP shall report to GRB.

C. Rules of Procedure

9. IWG ASEP shall be open to all participants of GRB. However, it is recommended that a maximum of two technical experts per country and organization participate in IWG.

10. IWG shall be chaired by ~~France~~ Germany/China and co-chaired by Japan. OICA shall act as Secretary.

11. The working language shall be English.

12. All documents and/or proposals shall be submitted to the Secretary of IWG in a suitable electronic format at least one week before a scheduled meeting.

13. An agenda and the latest draft document shall be circulated to all members of IWG in advance of all scheduled meetings.

14. All IWG documentation shall be made available on the dedicated UNECE website.

D. Timeline

15. The aim of IWG is to present ~~a~~ working documents for consideration at the ~~sixty-fifth session of GRB's sessions in February 2017 with clarification on ASEP~~ and a detailed elaborated work plan and timeline. IWG will present ~~a~~ progress reports, including already achieved further results, ~~by September 2018~~ and ~~a~~ comprehensive proposals by September ~~2019~~ 2020 and/or, for each category, targeting a timeframe to be preferably concluded or at least sufficiently matured before any legislation initiative to lower sound limit values starts.

~~16. The first IWG meeting is planned to be held on 7 and 8 November 2016 in China.~~

~~17. The second IWG meeting is planned to be held on 13 and 14 February 2017 before the sixty-fifth session of GRB.~~