

Transmitted by the experts of IWG ASEP

Informal document GRB-68-xx
(68th GRB, September 12-14, 2018,
agenda item 4.(b))

IWG for ASEP

Report to GRB 68th

7th, 8th and 9th session

Follow-up of the meetings

- 1st Meeting : 2016, November – Tianjiin
- 2d Meeting : 2017, February – Geneva
- 3rd Meeting : 2017, May – Brussels
- 4th Meeting : 2017, July – Washington
- 5th Meeting : Japan, 2017, November, 7th am to 9th pm
- 6th Meeting : Geneva (in junction with GRB), 2018, January, 22th pm to 24th am
- 7th Meeting : 2018, March 20th am – 22nd am, China, Changchun
- 8th Meeting : Europe (*Brussels EC to be confirmed*), 2018, July, 10th am -12th am
- 9th Meeting : Geneva (in junction with GRB), 2018, September, 12th am
- 10th Meeting : Japan, 2018, November, 06th am – 08th am
- 11th Meeting: Geneva 2019, January

Participants to the 7th, 8th & 9th Sessions of the IWG ASEP

➤ Contracting parties :

- France, China, Japan, Germany,
- EC (8th & 9th sessions)

➤ NGOs :

- OICA,
- ISO (8th & 9th sessions)
- CLEPA (8th & 9th sessions)
- IMMA (9th session),

Related documents

➤ **GRB 68th :**

- **ECE/TRANS/WP.29/GRB/2018/10** - (IWG ASEP) Proposal for UN R51-03.S5 to clarify the use of either mechanical or electronic devices to control the gear shift, or take measures to avoid accelerations greater than 2,0 m/s² and that for all vehicles and not only for EV as proposed in ECE/TRANS/WP.29/2018/063 for UN R51-03.S4
- **GRB-68-03** (IWG ASEP) Interim report to give explanations on ASEP through an historical background, a technical background, a proposal to clarify the last sentence of paragraph 6.2.3. and how to integrate this in the future

→ how to manage this document at GRB? As « [Documents for reference only](#) » like GRE?

- **GRB-68-xx** (IWG ASEP) Updated of ToR
- **GRB-68-xx** (IWG ASEP) Status report to GRB-68

All documents will be/are available on the UNECE IWG ASEP website

Report of discussions and conclusions

Consideration of some technical elements for current procedures

- Following comments from GRB members on [ECE/TRANS/WP.29/GRB/2017/5](#), the IWG for ASEP concluded that :
 - geometry, surface and obstacles outside ISO 10844 has a negligible impact for backfire assessment,
 - transitional provisions are needed for Sound Enhancement, “Backfire” (SPL from AA to BB+20m) and “anchor point” (L wot i+1 instead of L wot i). IWG proposes GRB-67-14.
- IWG for ASEP proposes to precise following paragraph to avoid interpretation

6.2.3. Additional sound emission provisions

[...]

The sound emission of the vehicle under **typical on-road driving conditions**, which are different from those under which the type-approval test set out in Annex 3 and Annex 7 was carried out, shall not deviate from **the test result in a significant manner**.

→ See [GRB-68-03 \(IWG ASEP\) Interim report Last sentence of §.6.2.3. of R51-03](#)

Report of discussions and conclusions

General consideration of ASEP revision and application

KEY ELEMENTS :

- Data especially for partial loading and negative load (coasting)
 - *Spring 2019*
 - Boundaries conditions and control range
 - *Summer 2019*
 - Models development (partial load, coasting and performance)
 - Concept freeze
 - *January 2019*
 - Road map for open issues
 - *September 2019*
 - Validation
 - *End 2019*
 - Fine tuning
 - *September 2020*
 - Correlation with existing or new models
 - Testing provisions
 - Uncertainties considerations
 - Application/ differentiation of ASEP in terms of vehicles
 - Manipulation provisions
 - Verification to the sound emissions and to the work load
- **Work to be continued**

Report of discussions and conclusions

General consideration of ASEP revision and application

- *Report from 9th session of IWG ASEP*
- IWG ASEP requests to L-categories people :
 - to consider model,
 - to provide information on technologies and manipulations,
 - to provide data to help the group to understand application of the model on the largest range of vehicles
 - Updated of ToR
 - Agreement to work together (PC and L-category)

Thank you for your attention