

Transmitted by the experts of IWG ASEP

~~Informal document~~ **GRB-68-20**  
(68<sup>th</sup> 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, 7<sup>th</sup> am to 9<sup>th</sup> pm
- 6th Meeting : Geneva (in junction with GRB), 2018, January, 22<sup>th</sup> pm to 24<sup>th</sup> 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, 12<sup>th</sup> am
- 10th Meeting : Japan, 2018, November, 06th am – 08th am
- 11<sup>th</sup> Meeting: Geneva 2019, January

# Participants to the 7<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> Sessions of the IWG ASEP

## ➤ Contracting parties :

- France, China, Japan, Germany,
- EC (8<sup>th</sup> & 9<sup>th</sup> sessions)

## ➤ NGOs :

- OICA,
- ISO (8<sup>th</sup> & 9<sup>th</sup> sessions)
- CLEPA (8<sup>th</sup> & 9<sup>th</sup> sessions)
- IMMA (9<sup>th</sup> session),

# Related documents

## ➤ **GRB 68<sup>th</sup>** :

- **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/s<sup>2</sup> 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 9<sup>th</sup> 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