

# IWG FOR ASEP

## STATUS REPORT TO GRB-69 (*JANUARY 2019*) AFTER THE 10TH SESSION ON NOVEMBER 2018

# FOLLOW-UP OF THE MEETINGS

- 1st Meeting : 2016, November – Tianjin
- 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 20<sup>th</sup> am – 22<sup>nd</sup> am, China, Changchun
- 8th Meeting : Europe (*Brussels EC to be confirmed*), 2018, July, 10<sup>th</sup> am -12<sup>th</sup> am
- 9th Meeting : Geneva (in junction with GRB), 2018, September, 12<sup>th</sup> am
- **10th Meeting : Japan, 2018, November, 06<sup>th</sup> am – 08<sup>th</sup> am**

# PARTICIPATION

## ▪ Participants to the 10th session:

### ✓ Contracting Parties:

- China,
- France,
- Germany,
- Japan,
- Spain

### ✓ NGOs:

- CLEPA,
- IMMA,
- ISO,
- OICA

## TOPICS DISCUSSED DURING THE 10<sup>TH</sup> SESSION OF IWG ASEP

- **ISO**: subject being considered: how to be able to use Indoor for ASEP? To be followed
- **Interim Report** presented at GRB-68 September 2018 by IWG ASEP as Informal Document GRB-68-03 is now available on UNECE website as “Document for reference only” to help for interpretation of last sentence of paragraph 6.2.3 of UN R-51-03
- Feedback from the meeting of GRB members in Brussels on **Future Works** on October 31, 2018, especially with ASEP confirmed as Priority 1

## TOPICS DISCUSSED DURING THE 10<sup>TH</sup> SESSION OF IWG ASEP

### ▪ L-Category

✓ IDIADA: presentation on a **real case of tests for ASEP** during Type-Approval of a motorcycle with regard to the noise in compliance with UN-R41-04 where **doubtful interpretations** have arisen → Any Technical Service, any manufacturers must not have any doubt for interpretation – to be followed with the work of the group for both UN-R51 & UN-R41

### ✓ IMMA:

- Only decreasing Type-Approval limits will not solve the real world sound emission issues
- Approach:
  - 1<sup>st</sup> step to make ASEP mandatory → done
  - **2<sup>nd</sup> longer step in progress with revision of ASEP** – a document should be presented at the 11<sup>th</sup> session of IWG ASEP
    - Timeline constraints different for motorcycles than M/N vehicles
    - Current concept: Test in any throttle position allowed / Widen the vehicle speed boundaries to 10 – 100 km/h / Test in all gears / Keep current *mystery points* concept (=additional operating conditions) to keep testing burden realistic / Technical details are being evaluated and worked out
    - Data collection for motorcycles also in progress to be able to develop a new model in line with constraints of motorcycles
- **To be followed at next 11<sup>th</sup> session with 1<sup>st</sup> ideas**

## TOPICS DISCUSSED DURING THE 10<sup>TH</sup> SESSION OF IWG ASEP

### ▪ **JASIC: ASEP Sound model for EV**

- ✓ Application of the 3 parts of the model to EV
  - Tyre rolling sound Model: OK
  - PWT mechanic sound Model: no relevant
  - Dynamic Model: to be adjusted with deletion of the rotational part
- ✓ Future study planed for Hybrid systems
- ✓ Stationary tests

### ▪ **OICA:**

- ✓ Data collection still in progress (41 vehicles from 13 sources – mainly M1 / Few N1 – ICE (mostly petrol), HEV, PEV)
- ✓ Partial Load simulation
- ✓ Performance Modelling merged with the sound model: **integration of vxa**
- ✓ The model seems to work well → to be confirmed with **additional data including motorcycles**
- ✓ The full presentation could be done at a next GRB

## TOPICS DISCUSSED DURING THE 10<sup>TH</sup> SESSION OF IWG ASEP

- **CATARC – data collection:** tests and calculations done according to the new Model proposed by the group – they need more data for MPV, SUV and especially micro-trucks
  - ✓ Database to be consolidated
  - ✓ Do we need ASEP for all vehicles? → The group has to identify the vehicles which are really concerned by ASEP
- **JAMA:** according to the presentation, **Stationary sound** has to be managed for both Type-Approval by Technical Services, and Roadside check by the police
  - ✓ Proposal to add a sentence in UN-R51-03 through a Supplement 6 (*next slides of this presentation*)
  - ✓ Work to be continued according to the feedback of GRB and IWG ASEP

# INTRODUCTION

## ▪ GRB 69th (January 2019):

### **General Reminder on introduction of Transitional Provisions in Supplements 4, 5 and 6:**

- ✓ Supplements 1 and 2 launched when we had no revision of the 1958 Agreement
- ✓ Supplement 3 (+20m for backfire + anchor point) has been done after Revision of the 1958 Agreement with retro application to extensions and 18 months have been introduced in Transitional Provisions (TPs)
- ✓ Currently no TPs in Supplements 4 and 5 (only clarifications) → can we apply Supplements 4 & 5 without applying Supplement 3 because of the TPs?
- Because of inconsistencies, we need to adjust TPs in all Supplements



## RELATED DOCUMENTS

### ▪ GRB 69th (January 2019):

- ✓ **ECE/TRANS/WP.29/GRB/2019/08** - Corrigendum 1 of UN-R51-03. **Suppl. 3.**
  - To correct a reference number linked to a figure
- ✓ **ECE/TRANS/WP.29/GRB/2019/09** - Corrigendum 1 of UN-R51-03. **Suppl. 4.**
  - To introduce transitional provisions in line with the transitional provisions in Supplement 3, and
  - To reintroduce a sentence deleted by mistake in Supplement 4 to the 03 series of amendments to UN Regulation No. 51
- ✓ **ECE/TRANS/WP.29/GRB/2019/11** – Additional amendment to UN-R51-03. **Suppl. 5.**
  - To introduce a transitional provision in line with the transitional provisions of Supplement 3.
  - The new transitional provision should be added to the text of draft Supplement 5 to the 03 series of amendments to UN Regulation No. 51 which was adopted by the Working Party on Noise at its sixty-eighth session (ECE/TRANS/WP.29/GRB/2018/10, as amended by para. 5 of ECE/TRANS/WP.29/GRB/66).

## RELATED DOCUMENTS

### ▪ GRB 69th (January 2019):

#### Reminder

✓ **ECE/TRANS/WP.29/GRB/2019/10** - **New** UN-R51-03.**Suppl. 6.**

- To introduce transitional provisions for Supplements 4 and 5 to the 03 series of amendments to UN Regulation No. 51 (in line with the transitional provisions of Supplement 3),
- To correct a reference number, and
- To clarify the requirements for stationary sound to be in line with existing UN-Reg. 9 & 41.

The proposed amendments are based on draft Supplement 5 to the 03 series of amendments to UN Regulation No. 51, which was adopted by the Working Party on Noise at its sixty-eighth session (ECE/TRANS/WP.29/GRB/2018/10).

✓ **ECE/TRANS/WP.29/GRB-69-xx** – Status report.

## NEXT STEPS

### ▪ IWG ASEP: Annex 7 to be reviewed according to the key elements presented at last GRB-68

- ✓ Decision to have a smaller group to work on the revision of the current Annex 7 and body of the UN-R51 → **Drafting group** with Germany, Japan, China, OICA and ISO as volunteers
- ✓ The work has been distributed between the volunteers
- ✓ Deadlines:
  - February 28, 2019 for the Drafting group
  - March 20, 2019 complete outcome of the drafting group for all members of IWG ASEP
- ✓ 1st draft to be provided by March/April to be able to present and discuss about it during the 11th session of IWG ASEP
- ✓ For the time being, one meeting of the Drafting group is planned the week of the GRB-70 in September 2019 (09-11 September 2019) → date(s) to be specified

# NEXT STEPS

## ▪ **Next Official Sessions of IWG ASEP in 2019:**

- ✓ 11th Meeting: 09-11 April – Liuzhou (China)
- ✓ 12th Meeting: 09-11 July – Berlin (Germany)
- ✓ Drafting group: 1 day before GRB – to be precised (Geneva)
- ✓ 13th Meeting: 24-26 September – Milford, Michigan (USA)
- ✓ 14th Meeting: 05-07 November – Japan

## NEXT STEPS

- **Topics at least to be continued during the 11th session of the IWG ASEP**
  - ✓ Exchange of information on national and international requirements
    - ISO Indoor
    - Feedback from GRBP January 2019
  - ✓ Exchange of information for L-category **with more data**
  - ✓ Model concept analysis
    - Review of test program and data collection for categories M<sub>1</sub>, N<sub>1</sub> and L<sub>3</sub>
    - Comparison of data bases for L and M/N categories
    - Identification of open issues/ problems
  - ✓ Current procedures:
    - Draft proposal
    - Context and intention of ASEP/RDSEP
  - ✓ Follow up of project and milestones
    - Key elements / Planning

**Thank you**