GRB-ASEP-02-12

(GRB Informal Working Group

Additional Sound Emission Provisions (ASEP))

**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Noise (GRB)

Informal Working Group on Additional Sound Emission Provisions (ASEP)

**Draft REPORT of the 1st and 2nd meeting of the Informal Working Group ASEP**

**7-8 November 2016 & 13-15 February 2017**

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|  |  | Documents |
|  | **Welcome and opening remarks** |  |
| Mr.Pardo as chair of this group, opened the 2 meetings welcoming all the participants. |
|  | **Introduction of participants and organizations** | [ASEP-01-05](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-05%20Final%20list%20of%20attendees%201st%20session%20in%20Tianjin%20November%202016.pdf?api=v2)[ASEP-02-04](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-04%20Provisional%20Attendance%20list%202nd%20IWG%20ASEP%202017_02_13-15.xlsx?api=v2) |
| The list of attendees at 2 sessions are available in the documents:* 1st session: document ASEP-01-05
* 2nd session: document ASEP-02-05
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|  | **Adoption of the agendas:*** 1st session
* 2nd session
 | [ASEP-01-01 Rev.2](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-01%20Rev.2%20Draft%20Agenda%201st%20session%20IWG%20ASEP%202016_11_07-08.pdf?api=v2)[ASEP-02-01 Rev.1](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-01%20Rev.1%20Draft%20Agenda%202nd%20Session%20IWG%20ASEP%202017_02_13%20to%2015.docx?api=v2) |
| Agendas have been adopted as proposed in documents ASEP-01-01 Rev.2 and ASEP-02-01 Rev.1 |
|  | **Main topics discussed during the 1st session of IWG ASEP** |  |
| * *Welcoming speeches by CATARC, chair of this IWG ASEP, chair of OICA, CAAM*
* *Report from discussions at GRB 64th:*

LF.Pardo presented the document [ASEP-01-06](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-06%20Background%20information%20and%20future%20works.pptx?api=v2) Background information and future works and reminded the date on November 18, 2016 as deadline for Working Document for next GRB session in February 2017* *Exchange of information on national and international requirements:*

LF.Pardo reminded that ASEP is also inside the UE 540/2015 Regulation –in the future it should be a good way for EU to use also the UN R51-03 Regulation – he expressed his wish for having more harmonized methods because of a lot of misunderstandings and a lot of different interpretations by the Technical Services* *Update of GRE-64-04 as future working document to GRE 65th*

Documents available:* [ASEP-01-07](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-07%20Items%20for%20clarification.pptx?api=v2): Items for clarification
* [ASEP-01-02](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-02%20GRB-64-04e.doc?api=v2): Original version from GRB 65th
* [ASEP-01-03](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-03%20ECE-TRANS-WP.29-GRB-2017-0xe%20ASEP%20Draft.docx?api=v2): GRB-64-04 in working document format without change including justifications
* [ASEP-01-04](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-04%20GRB-64-04e-OICA-03.11.2016.docx?api=v2): GRE-64-04 with OICA proposals for clarifications

The documents mentioned above were reviewed step by step in parallel.The result of the discussions was the document [ASEP-01-08](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-08%20ECE-TRANS-WP.29-GRB-2017-0xe%20Revision%20after%201st%20ASEP%20IWG.docx?api=v2).**A final cleaned version** [**ASEP-01-09**](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-09%20ECE-TRANS-WP%2029-GRB-2017-0xe%20Revision%20after%201st%20ASEP%20IWG%202016_11_22.docx?api=v2) **has been prepared after the meeting as Working Document for the next GRB session in February 2017.** **The flow charts in the document have been revised during the meeting and consolidated after the meeting. These flow charts have been made available in a [.ppt] format to be able to make any future corrections if needed 🡪 See** [**ASEP-01-10**](https://www2.unece.org/wiki/download/attachments/37945444/ASEP-01-10%20Flowchart%20ASEP%20after%20Revision%20IWG%202016_11_22.pptx?api=v2)**.*****Some points have been kept for further discussions and especially:***¤ §.2.26.2.2. for the ‘Unstable’ acceleration¤ Annex 7. The manufacturer and the type-approval Authorities have to discuss together for having the same understanding and it is difficult especially for vehicles with high PWT¤ §.3.2.1. Slope is neither a technical issue or a clarification – it is extremely sensitive so it has to be kept for phase 2¤ §.5. Reference sound assessment will also be discussed later at GRB¤ §.5.1. China has still some comments on this paragraph so also to be followed with phase 2¤ §.5.4. Concern for China with Method B for micro-vans & micro-trucks because of the engine speed is higher than 5000 – the engine speed has to be considered very careful – what do we really want to test? |
|  | **Exchange of information on national and international requirements** |  |
| No additional information. |
|  | **Consideration of some technical elements for the ECE/TRANS/WP.29/GRB/2017/2 - Proposal for Supplement 2 to the 03 series of amendments to Regulation No. 51**5.1. Control range 70, 80km/h5.2. Missing limits e.g. N1 from UN R51.02 in reference sound assessment5.3. Uniform the limit concept extra margin (limit value - Lurban of Annex 3)5.4. Definition of stable acceleration5.5. Presentation to GRB 65th | [ASEP-02-05](https://wiki.unece.org/download/attachments/41451662/ASEP-02-05%20-%20ECE-TRANS-WP.29-GRB-2017-02e%20-%20Rev.%20IWG%20ASEP%202017-02-14.docx?api=v2) |
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|  | **Detailed elaborated work plan and timeline*** 1. **Presentation of R41 procedure**
	2. **Additional or revised tests procedures**
		1. Test procedure for automatic transmission in non-locked transmission condition;
		2. Test procedure for hybrid vehicles and new technologies of vehicle.
		3. Simplified test procedure and/or alternative test (such as in-door testing) to save time and to enable direct application of ASEP during type approval
	3. **Consideration and exchanges on the key technical elements for revision of ASEP**
		1. Consideration of scope and target to elaborate on sound behaviours subject to criticism;
		2. Improve the effectiveness of the method regarding off-cycle tests, …
		3. Field of application
		4. Control range (method to be more representative for urban driving behavior)
		5. Consider harmonization with ASEP UN R41, if possible
 | [ASEP-02-09 (D)](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-09%20-%20%28D%29%20Problems%20M1-N1%20Noise%20and%20Solutions.pdf?api=v2)[ASEP-02-0](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-08%20-%20%28OICA%29%20presentation%20IWG%20ASEP%202017-02-13%20Considerations%20for%20a%20Revision%20of%20ASEP.pdf?api=v2)8 (OICA)[ASEP-02-10](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-10%20-%20%28China%29%20Vehicle%20Noise%20Standards%20System%20of%20China.ppt?api=v2) (China)[ASEP-02-11](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-11%20-%20ASEP%2C%20a%20way%20to%20analyse%20methods.pptx?api=v2) (F) |
| Chair pointed out that the next step after completing the clarification is to work on improvement of ASEP.* 1. **Presentation of R41 procedure**  Postponed to future meeting
	2. **Additional or revised tests procedures**OICA proposes to first elaborate to real concernes as perceived by public and then develop solutions that are suitable to solve those concerns. Ideally one technology neutral test procedure should be targeted instead of having individual ones depending on technology.

 ***Presentation Germany****: problems with Noise emissions of vehicles/NORESS…* * See document ASEP-02-09 (D)

 Holistic observation of all aspects of excessive traffic Noise pollution resulting in working out where there is the possibility for GRB to support the improvement of the situation. It is obvious that a part of the problem comes from illegal use that cannot be prohibited by improved TA process and better vehicle regulation. ***Presentation OICA*** * See document ASEP-02-08 (OICA)

 ***Presentation China**** See document ASEP-02-10 (China)
* 1998 agreement was signed by China 10 years ago
* Ministry of Environmental protection is involved in development of Noise regulations, not only ministry of industry
* Important subject is compressed air noise, no limit value available now, but regulation shall be developed
* ASEP: no detailed plan available, studies ongoing, want to harmonize with ECE, shall be introduced in China
* China will build more innercity-highways with speed limit of 80km/h
* In-use surveillance is an important factor for traffic noise. Today periodical inspection focuses on safety aspects.
* Interior noise will also be looked at in future (labour protection)
* EV: dedicated Regulation will be necessary in future as typical ICE Regulation cannot be applied to EVs

**China will closely follow the development under ECE and then adapt to national needs**  ***Presentation France – ASEP - a way to analyse methods**** See document ASEP-02-11 (France)

Vehicles of concern are subject to ASEP. What is a vehicle of concern? - unexpected behavior, - noise increase higher than expected, - cycle beating |
|  | **Any Other Business** * Status report for GRB 65 February session
 | [ASEP-02-02 (Chair)](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-02%20IWG%20ASEP%20presentation%20of%20GRB-2017-2%20DRAFT.pptx?api=v2)[ASEP 02-07 (Chair)](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-07%20-%20%28IWG%20ASEP%29%20Presentation%20of%20GRB-2017-2%20and%20GRB-65-xx.pptx?api=v2) |
| Chair presents reports prepared to be shown to GRBDiscussion around reference sound assessment - this is of no use to improve the quality of ASEP and should therefore be abolished |
|  | **Future works*** General comments on ASEP
 | [ASEP-02-03 (Chair)](https://www2.unece.org/wiki/download/attachments/41451662/ASEP-02-03%20IWG%20ASEP%20-%20Report%20to%20GRB%2065%20DRAFT.pptx?api=v2) |
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|  | **Next meeting(s)** |  |
| * From 10 to 12th may 2017: Location to be defined 🡪 EC in Brussels
* 2nd week (10-14 to be precised) of July 2017 in Washington, DC
* 2nd week (06-10 to be precised) of November 2017 in Japan
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|  | Adjourn |  |
| Mr.Pardo thanked all participants for their fruitful contribution and closed the meetings. |

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All documents of this IWG ASEP will be available via the UNECE website:<https://www2.unece.org/wiki/pages/viewpage.action?pageId=2523476>