IWG FOR ASEP

STATUS REPORT TO GRBP-72 (SEPTEMBER 2020)
AFTER THE 16TH SESSION ON JUNE 2020
FOLLOW-UP OF THE MEETINGS

- 1st Meeting: 2016, November – Tianjiin
- 2nd Meeting: 2017, February – Geneva
- 3rd Meeting: 2017, May – Brussels
- 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, November 06-08, 2018
- 11th Meeting: China, April 09-11, 2019
- 12th Meeting: Germany, July 09-11, 2019
- 13th Meeting: Milford, USA, September 24-26, 2019
- 14th Meeting: Hamamatsu, Japan, November 05-07, 2019
- 16th Meeting: China, March 2020  
  → CANCELLED
- 16th Meeting: Confcall only, June 04-05, 2020
- Virtual Drafting group meeting on September 01, 2020
PARTICIPATION

- Participants to the 16th session in June 2020:
  - Contracting Parties:
    - China, European Commission, France, Germany, India, Japan, The Netherlands, Spain, Russian Federation, United Kingdom
  - NGOs:
    - CLEPA, IMMA, ISO, OICA
STATE OF PROGRESS AFTER 16\textsuperscript{TH} SESSION OF IWG ASEP

- **L CATEGORY**
  - Main topics: repeatability, difficulty for vehicle operation, number of test points.
  - Test procedure in 2 phases
    - “Pre-measurement area”: Phase before AA’ to prevent cycle beating
    - “Measurement area”: Complete area AA’ to BB’ as real driving area
  - The procedure for the additional ASEP test points
  - How to handle CoP and Market surveillance
  - 2-steps approach (1\textsuperscript{st} modification on existing ASEP, 2\textsuperscript{nd} new RD-ASEP), or 1-step approach (RD-ASEP with modified OICA model)
    - Decision of CPs = 2-steps approach
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### L CATEGORY

✓ The following documents have been presented by IMMA at GRBP-71 January 2020:

- **GRBP-71-19**: [ppt.] general presentation to revise ASEP the UN Regulation R41
- **GRBP-71-17**: proposal of amendment to UN Regulation R41

✓ The following documents will be presented for adoption at GRBP-72 September 2020:

- **GRBP/2020/9**: Proposal for a new 05 Series of amendments to UN Regulation No.41 (Noise emissions of motorcycles)
- **GRBP-72-05 (EC & Germany) and GRBP-72-14 (EC)**: proposal for amendments to GRBP/2020/9 regarding the Transitional Provisions

2. The following table summarizes the proposed changes and substantial widening of the test window, compared to the current version:

<table>
<thead>
<tr>
<th></th>
<th>R41-04 (current)</th>
<th>R41-05 proposal (ASEP revision)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed range</td>
<td>20 – 80 km/h</td>
<td>10 – 100 km/h (for power-to-mass ratio (PMR) &gt; 150)</td>
</tr>
<tr>
<td>Max Rpm</td>
<td>3.4 * PMR$^{0.33}$ * (S$-n_{idle}$) + n$_{idle}$</td>
<td>0.8 x S ($^{+}$ increased)</td>
</tr>
<tr>
<td>Gears tested</td>
<td>Fixed gear (not including 1$^{st}$)</td>
<td>Any gear (including 1$^{st}$)</td>
</tr>
<tr>
<td>Throttle operation</td>
<td>Wide-open-throttle (WOT) only</td>
<td>Any constant throttle</td>
</tr>
<tr>
<td></td>
<td>(between AA’ &amp; BB’)</td>
<td></td>
</tr>
<tr>
<td>Acceleration</td>
<td>WOT only</td>
<td>Any acceleration</td>
</tr>
<tr>
<td>Approach (pre-AA’)</td>
<td>Constant speed</td>
<td>Any approach (constant speed, acceleration, deceleration)</td>
</tr>
<tr>
<td>number of test points</td>
<td>Reference points + 2 additional operating conditions</td>
<td>Reference points + [three additional operating conditions / gear]</td>
</tr>
<tr>
<td>CVT</td>
<td>Exemption if requirements of §1.2 of Annex 7 are met.</td>
<td>No exemption</td>
</tr>
</tbody>
</table>
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- **M CATEGORY - Revision of Regulation UN-R51-03:**
  - Revision of Regulation UN-R51-03 → see document **ASEP-15-08** (revised ASEP-14-09):
    - Main body
      - Revision of paragraphs 1, 2, 6.2.3. especially to clarify the scope of the new RD-ASEP
      - Introduction of a new paragraph 6.2.4. « Provisions against manipulations »
    - Annex 6: clarification for CoP including RD-ASEP randomized tests in lower quantity
    - Annex 7 still ongoing → Document ASEP-15-08
      - Introduction of provisions to clarify the Compliance assessment
      - Introduction of a Sound Expectation Model → the concept has been presented in detail from document ASEP-15-07 (GRBP-71-24) during the GRBP-71 in January 2020
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\textbf{M CATEGORY - Revision of Regulation UN-R51-03:}

✓ Still to be clarified with necessary feedback from CPs:
  o \textbf{Low PMR vehicles} for CP which has this vehicle (Japan, China, EU COM),
  o \textbf{HEV} partly or fully driven electrically (different uses Annex 3 and Annex 7),
  o \textbf{Partial load} driven by acceleration test in Annex 3 (Supplements 4 and 5)

Target = initial target was to have proposals by June 2020 → postponed to beginning of 2021

✓ \textbf{Revision of Regulation UN-R138} (GRBP-70-04) → according to the decision of the GRBP-70, this issue has been introduced directly in the amendment to the UN-R51 in progress
NEXT STEPS

- Topics at least to be continued/followed during the next sessions of the IWG ASEP with the Drafting group and the Official group
  
  For reminder, volunteers for Drafting group: Germany, Japan, China, OICA, IMMA and ISO

  ✓ Model concept analysis for categories M & L with more data

  ✓ Revision of current procedures
    
    o Regulation No.51 – especially Annex 7 including new flowchart and test report sheet
    
    o Regulation No.41 – proposal for adoption to be presented at GRBP-72 under GRBP/2020/09 (IWG ASEP), GRBP-72-05 (EC & Germany) and GRBP-72-14 (EC)

  ✓ Proposal for adoption of the Revision of the ToR under GRBP/2020/10 + GRBP-72-17 from IWG ASEP
**NEXT STEPS**

- **Next Official Sessions of IWG ASEP in 2020:**
  - **Drafting group ONLY**
    - Tuesday 01\textsuperscript{st} & Wednesday 02\textsuperscript{nd} September – Confcall ONLY
  - Revision of proposals will be circulated between Drafting group members. Virtual drafting group meetings will be fixed if needed.

- **Official sessions of IWG ASEP:**
  - 16\textsuperscript{th} session: 25th-26th March 2020 – CANCELLED
  - 16\textsuperscript{th} session: 4th-5th June 2020 – CONFCALL ONLY
  - 17\textsuperscript{th} session: Thursday 10th to Friday 11\textsuperscript{th} – CANCELLED
  - 18\textsuperscript{th} session: 14-15 October – Japan – CANCELLED

Next official session will be fixed after the proposal from the Drafting group will be ready for the consideration of the full IWG ASEP.
Thank you