Transmitted by the experts of Japan

Informal document WP.29-161-19
161st WP.29 session, 12-15 Nov., agenda item 17.4

Status report of the informal group on Phase 2 of gtr No. 7 (IG GTR7 - PH2)
Objective of IG GTR7-PH2

- The main objective of IG GTR7-PH2 is the development of a draft proposal to amend the UN global technical regulation No. 7 - Phase 2

- WP29 - 143rd session November 2007
  (a) The head restraint height of 850 mm;
  (b) The appropriate dynamic test, including the test procedure, injury criteria and the associated corridors for the Biofidelic Rear Impact Dummy (BioRID II).

- WP29-149th session November 2009
  (a) focus on developing a low speed dynamic test using the BioRID II dummy, and,
  (b) as a first step regarding the head restraint height, to consider procedures for defining “effective height”.
### Work schedule of IG GTR7-PH2 (in Recent year and planed)

<table>
<thead>
<tr>
<th>Working Groups</th>
<th>Dates</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>12th informal meeting</td>
<td>2/2013</td>
<td>Brussels, Belgium</td>
</tr>
<tr>
<td>13th informal meeting</td>
<td>4/2013</td>
<td>Paris, France</td>
</tr>
<tr>
<td>14th informal meeting</td>
<td>9/2013</td>
<td>Gothenburg, Sweden</td>
</tr>
<tr>
<td>15th informal meeting</td>
<td>12/2013</td>
<td>Geneva, Switzerland</td>
</tr>
<tr>
<td>16th informal meeting</td>
<td>2/2014</td>
<td>TBD</td>
</tr>
</tbody>
</table>

### BioRID TEG (sub group of IG)

<table>
<thead>
<tr>
<th>Working Groups</th>
<th>Dates</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop / Head restraint measurement</td>
<td>3/2013</td>
<td>Koln, Germany</td>
</tr>
<tr>
<td>Workshop / BioRID seating procedure</td>
<td>7/2013</td>
<td>Koln, Germany</td>
</tr>
<tr>
<td>BioRID TEG and Informal meeting</td>
<td>9/2013</td>
<td>WebEX</td>
</tr>
<tr>
<td>BioRID / Injury criteria /draft gtr text</td>
<td>10/2013</td>
<td>WebEX</td>
</tr>
<tr>
<td>BioRID / Injury criteria</td>
<td>11/2013</td>
<td>WebEX</td>
</tr>
</tbody>
</table>
What progress has been made:

- New procedure to determine the effective height of the head restraint.
- New procedure replacing the HRMD and reducing error.
- Extensive repeatability and reproducibility work to ensure BioRID is at least as good as HIII.
- Draft procedure for installation and use of BioRID.
Recent activity of IG GTR7-PH2

• In the 14th IG GTR7-PH2 meetings, following items were addressed:
  
  ✓ Injury Criteria
    Injury risk/Injury parameters/Indicative regulatory values.
  
  ✓ TEG / Workshop
    Effective height /backset/Dummy seating
  
  ✓ Certification Update (relate to M.R.1)
    Candidate certification tests
  
  ✓ Development of GTR7/Amend
    Annex1 (effective height), Annex9 (Dynamic test)
  
  ✓ Mutual Resolution (Test tool)
    Draft Text/Drawing Review.
The remaining challenges:

- Completion of NHTSA/JARI work on injury criteria.
- Establish both criteria and values.
- Establish new head restraint height value (referred to GRSP)
- Determine whether to harmonize the specification of the 3-D H-point machine across all UN ECE regulations (Referred to GRSP).

• The 15th and 16th IG GTR7-PH2 meeting are planned for December and February, 2014 respectively, then the IG is going to submit a formal document of draft gtr7-Phase2 for the discussion at the GRSP in May 2014.
Thank you for your attention!