The KOREA-Comment on proposed amendments to GTR 6 by OICA/CLEPA

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1. Background

- OICA/CLEPA proposed amendments to GTR No. 6 from informal document (GRSG-107-23) and also discussed at PSG-2\textsuperscript{nd} about them.

- The chair of IWG PSG requested to review the proposal of OICA/CLEPA by the KOREA experts as the technical sponsor.

- The KOREA comment is to consider both the progress direction of IWG PSG and current issue of Ceramic printed area.
The OICA/CLEPA proposals is to aim amendment about an obvious mistake in the scope of GTR 6.

The KOREA position:

- The KOREA absolutely agree and support to amend the scope of GTR 6 because GTR No 6 applied other pane such as toughened glass etc. as well as both windscreen and double window panes.
3. 227g ball Test

- The OICA/CLEPA proposals is to aim amendment about 227g ball drop test same as ISO 3537/UN Reg No. 43

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Part B, paragraph 6.3.2.3., amend to read:
"6.3.2.3. The point of impact shall be within 25 mm of the geometric centre of the test piece supported area for a drop height less than or equal to 6 m, and within 50 mm of the centre of the supported area test piece for a drop height greater than 6 m."
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- The KOREA position:

- Simple comparison table of 227g ball test on toughened glass

<table>
<thead>
<tr>
<th></th>
<th>GTR No. 6</th>
<th>UN Reg No. 43</th>
<th>FMVSS 205/ANSI Z26.1</th>
<th>ISO 3537</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Piece</td>
<td>Flat 300 x 300 mm sample&lt;br&gt;Finished product</td>
<td>Flat 300 x 300 mm sample&lt;br&gt;Finished product</td>
<td>Flat 305 x 305 mm sample</td>
<td>Flat square 300 x 300 mm side</td>
</tr>
<tr>
<td>Impact Point</td>
<td>The center of the supported area</td>
<td>The geometric centre of the test piece</td>
<td>...striking the specimen within 25 mm of its center</td>
<td>The geometric centre of the test piece</td>
</tr>
</tbody>
</table>
3. 227g ball Test

- The KOREA position(2):
  - Simple comparison of 227g ball test procedure on toughened glass

- In case of Flat 300 x 300 mm sample:
  - Completely Same as the impact point both the center of supported area and the geometric centre of test piece

<table>
<thead>
<tr>
<th>Regulation/Standard</th>
<th>Impact point</th>
<th>The center of the supported area</th>
<th>The geometric centre of the test piece</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTR No. 6, KMVSS No. 105</td>
<td></td>
<td>GTR No. 6, KMVSS No. 105</td>
<td>UN Reg No. 43, ANSI 220.1, ISO 9527</td>
</tr>
</tbody>
</table>
3. 227g ball Test

The KOREA position(3):

- Simple comparison of 227g ball test procedure on toughened glass

- In case of finished products:
  
  - To be possible to be different impact point between the center of supported area and the geometric centre of test piece

<table>
<thead>
<tr>
<th>Impact point</th>
<th>The center of the supported area</th>
<th>The geometric centre of the test piece</th>
</tr>
</thead>
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<tr>
<td>Regulation/Standard</td>
<td>GTR No. 6, KMVSS No. 105</td>
<td>UN Reg No. 43, ANSI Z25.1, ISO 3537</td>
</tr>
</tbody>
</table>
4. Comment of the KOREA

- The KOREA agree to amend the scope of GTR 6 from OICA/CLEPA proposal.

- However the Korea request to consider amendments of 227g ball test to OICA/CLEPA proposal after completing adoption of GTR 6 amendment regarding the limitation of ceramic printed area because of the following reasons.
  - No include the ceramic printed area of vulnerable strength in test area of 227g ball drop test.
  - No conform to be the purpose of IWG PSG for limit the ceramic printed area to be weaker strength in order to safety driving.
Thank you for your attention!