

# Progress Report by PSG IWG

9<sup>th</sup> October 2017

Rep. of KOREA

# Progress Report

- Chairmanship
  - Chair : Mr. Sung Bok EOM (KATRI, Rep. of Korea)
  - Co-Chair : Mr. Richard Damm (Germany)
  - Secretary : Dr. Mueller von Kralik (CLEPA)
  - Technical sponsor : Rep. of Korea
- 5 meetings since last 110<sup>th</sup> GRSG session in April
  - 5<sup>th</sup> PSG IWG meeting : 28<sup>th</sup> June, Webasto Gilching, Germany
  - Pre WEBEX meeting : 4<sup>th</sup> October
  - 6<sup>th</sup> PSG IWG meeting : 10<sup>th</sup> October, Geneve
  - 7<sup>th</sup> PSG IWG meeting : 24<sup>th</sup> April, Geneve
  - 8<sup>th</sup> PSG IWG meeting : 9<sup>th</sup> October, Geneve

# Progress Report

## ◆ 5<sup>th</sup> PSG IWG Meeting

- 28th June in Gilching, Germany

- 19 attendants(including 7 audio conference)
- Secretary reviewed current GTR proposal all-in-one.
- KATRI presented the rationale of proposal for limitation of CPA(Ceramic Printed Area)
- NHTSA submitted questionnaires regarding the detail information of Korean research and the justification of current proposal, etc.

## ◆ WEBEX Preview meeting

- 4th October

- 19 attendants via webex/audio
- KATRI presented the answer of NHTSA questions and shared opinions with members.
- Further discussion will be continued in 6<sup>th</sup> PSG meeting with additional explanation materials.

## ◆ 6<sup>th</sup> PSG IWG Meeting

- 10th October in Geneva

- 22 attendants(including 4 audio conference)
- KATRI reviewed the answer of NHTSA's question again with updated documents.
- NHTSA referred that more studies on CPA and verification for test procedure are necessary for amendment GTR 6.
- All members agreed to extend mandate 1.5 years more(by June 2018) and divide into two step approaches(urgent issues/further research on CPA).
- Amendments on scope and impact point(related to GRSG 107-23) which are urgent issues are agreed to propose in next GRSG session.
- Amendment proposal agreed and formalized sent to GRSG secretary in due time.

# Proposal for amendment GTR 6

(Informal document will be submitted)

*Part B, paragraph 2., Application/Scope, amend to read:*

"2. This regulation applies to safety glazing intended for installation as windcreens or **panes or as partitioning**, ~~use of double windows panes, each pane is considered a separate item of glazing panes~~ on Category 1 and 2 vehicles as defined in Special Resolution No. 1 (S.R.1) .....

*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."

# Update of Terms of Reference

(Informal document will be submitted)

- 4.2 Chairs of the IWG will manage various aspects of the work ensuring that the agreed action plan is implemented properly and that milestones and timelines are set and met.
- (a) 2016- ~~2015-2016~~ **June 2018** : Meeting of the IWG, regular reporting to the Administrative Committee.
  - (b) ~~November 2016~~ **June 2018** : Possible adoption of both Global Technical Regulation and UN Regulation.

# Update of Terms of Reference

(Informal document will be submitted)

5.1 With regards to the definition of toughened glass, the IWG will review if the definition of toughened glass is appropriate to assure the safety of panoramic sunroof and then will clearly define the mechanical properties of toughened glass, if necessary. For example, toughened glass is expected to be stronger than before it was, i.e. before it underwent the toughening process.

The work of the Informal Group will follow a 2-step approach splitting the working tasks in paragraphs 5.2 and 5.3 into short-term (5.3) and medium-term (5.2) activities. For the task in paragraph 5.2 the Informal Group will review further work to be undertaken to understand better the effects for improving safety of panoramic sunroof glazing.

# Update of Terms of Reference

(Informal document will be submitted)

## 5.2 Step 2

With regards to the 227g ball drop test, **the original task of the IWG will be extended to take further research results into account to** discuss the following:

- (a) Only using a 30cm x 30cm test piece for the 227g ball drop test
- (b) Using a test piece that reflects the representative characteristics of a finished product, on condition that a certain area of opaque obscuration, which is necessary for the fixing of the toughened glass to a vehicle, is excluded from impact point of toughened glass at a test.
- (c) Clarifying and harmonizing the UN Regulation and ISO with regards to the test
- (d) Decision on other test procedures to complement the 227g ball drop test**



# Update of Terms of Reference

(Informal document will be submitted)

## 5.3 Step 1

The IWG shall also assess whether there should be further amendments to the classification of glazing, which may be installed as windscreen, other windows of a vehicle, and sunroof.

## 6.1

(b) Chair (Republic of Korea), Co-Chair (Germany) and a secretary (CLEPA) will manage IWG.

## ◆ 7<sup>th</sup> PSG IWG Meeting

- 24th April in Geneva

- 22 attendants (including 6 audio conference)
- NHTSA explained that planned research program is delayed due to budgetary and prioritization discussions ongoing (like other major programs)
- General agreement that the outcome of the NHTSA or other member state programs on PSG breakage need to be waited for, before finally defining any regulatory or process / testing amendments to existing regulations.
- Decision a) to wait for status info on NHTSA research program, b) in parallel update data base on field actions and c) prepare for IWG road-map discussion in next WEBEX meeting mid September, before f-2-f decision meeting in Geneva on 9<sup>th</sup> October 2017

## ◆ 8<sup>th</sup> PSG IWG Meeting

- 9th October in Geneva
- 20 attendants (including 4 audio conference)
- KOREA presented status of test activities on CPA verification
- NHTSA presented verbally the status of planned testing activities on CPA verification
- Presentation of KOREA for next steps of IWG and verbal proposal of NHTSA was discussed intensively within the IWG.
- Co-Chair has changed from Mr. Damm to Mr. Fuhrmann
- Decision :
  - NHTSA will prepare proposal in formal manner (4 weeks)
  - IWG will start WEBEX meetings to find best possible alignment between both proposals for a common GTR6 amendment
  - Possible extension of mandate will be informed next year April