

**Report of the 5th WEBEX 2019 Meeting of the
Informal Working Group on Panoramic Sunroof Glazing**

Location: WEBEX
Date: Wednesday, 27th June 2019, 12:35 – 13:15 CEST
Chair: Mr. Eom Sungbok (Republic of Korea), Mr. Thomas Fuhrmann (Germany)
Secretary: Mr. Dr. Stephan Müller von Kralik (Germany / CLEPA)

16 people attended at the meeting (hereof all via Audio Conference).

Minutes of WEBEX No.4 were released.

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1. Review, finalize and agree on exact numbers/facts/values/wording for guidance

OICA: handed in an updated wording of their proposal of last Webex No.4, which could be implemented into the Mutual Resolution:

In [October 2019], the Informal Working Group on Panorama Sunroof worked out a Recommendation for the maximum size of the ceramic printed area of a single glass pane and asked the manufacturers to limit the size of the ceramic printed area to either:

- A maximum width of 135 mm to each side (front, rear, left and right), or
- To a total proportion of the ceramic printed area at the surface of each single pane of in maximum 50%. For the determination of those areas, the projection of the areas to the y-x plane is done.

KATRI: Reviewed the OICA proposal with a primary and secondary rule approach and supports it in general

MPA (Germany): stated again that the target is not too freeze a status of today, but to reduce CPA in future

Secretary: Gave verbally the info that a review of existing glass pane data from Europe (total: 75 Glass panels) and Korea (total: 23 glass panels) shows the following:

Most panels today, even exceeding 135mm CPA in certain areas are well below 50%
(See lists from Korea and EU)

CPA area > 135mm on side (B/D): EU= 8 glass panes (11%) ⇔ KOR= zero (0%)

CPA area > 135mm on rear (C): EU= 28 glass panes (37%) ⇔ KOR= 4 (17%)

CPA area > 125mm on side (B/D): EU= 14 glass panes (19%) ⇔ KOR= zero (0%)

CPA area > 125mm on rear (C): EU= 30 glass panes (40%) ⇔ KOR= 4 (17%)

- ⇒ The critical areas on glass panes are either the sides (B/D) or the rear side (D). The front side is nearly uncritical except one glass pane above 135mm in EU and no roof is above 125mm in KOR for the roofs in verification.

- ⇒ The impact of activities in Korea to reduce CPA in design only and not technical related areas shows real positive effects in CPU reduction compared to EU data.
- ⇒ The increase of glass panes missing the first rule at 125mm compared to 135mm is ZERO for both area in Korea, but has still reasonable impact in EU.

Webasto: From Information of roof designs of today the secondary rule of CPA %-Area in the proposal could be reduced to 40%, but future design & technical requirement outlook is open/un-known. The reviewed data of today shows the positive impact of the Korean activities presented in last IWG PSG meeting in Geneva, which shows in the much lower and identical number of glass panes exceeding 125mm or 135mm and significantly lower numbers of glass panes exceeding 40% or 50%.

2. Decide data type and discuss values

KATRI: stated that the primary / secondary rule approach is confirmed and final values of 50% or 40% should be reviewed and decided next WEBEX.

3. Review guideline format update by KATRI and include additional informations

The OICA wording proposal will be included into the Mutual Resolution draft and it shall be started to "fill" the document from now on. Details hereto shall be discussed in Korea next week.

4. Proposed agenda/topics for next WEBEX meeting in 2019

- NEXT WEBEX N6 planned for CW27 or 28 based on Doodle Poll until Monday 1st July
- Last WEBEX before summer break still planned for CW29

5. Any other business

nothing

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