

**Report of the 4th WEBEX 2019 Meeting of the
Informal Working Group on Panoramic Sunroof Glazing**

Location: WEBEX
Date: Wednesday, 12th June 2019, 12:30 – 13:30 CEST
Chair: Mr. Eom Sungbok (Republic of Korea), Mr. Thomas Fuhrmann (Germany)
Secretary: Mr. Dr. Stephan Müller von Kralik (Germany / CLEPA)

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

Minutes of WEBEX No.3 were released.

1. Discuss data type as guidance definition in detail (% ⇔ nominal value)

KATRI: shows a one pager from Korean suppliers and explains that a review with suppliers had shown that modern roof design requirements for front and rear glass panel will make it difficult to achieve a maximum CPA nominal value of 125mm everywhere, also depending on terms of measurement.

OICA: supported the statement from KATRI based on the shown one pager and placed the following proposal for discussion:

“Recommendation is made that the width of the ceramic printed area shall be in maximum [135] mm to each side(front, rear, left and right). If this is not achievable, the portion of the ceramic printed area at the complete surface of each pane shall not be larger than [50]%. ”

CLEPA: showed a presentation (3 pages) explaining more in detail the idea of a CPA stripe design on front and rear glass panels to reduce the CPA area to the minimum which is technically required. A confirmation of a distinctive maximum nominal value for all sides of a glass pane cannot be given yet. The design of the rear glass pane shown by KATRI could mean some difficulties as these kind of implementations into the glass area could become common specifications with new mobility requirements, which needs to be reviewed more carefully.

On basis of No.5 roof example in the CLEPA EU data basis it was explained, how a technical feasible CPA stripe design in the measurement area B or D could look like.

GFE: GFE reported that not enough reports from members had been received yet to give a clear statement on the technical feasibility/ technical boundaries of a CPA stripe design on tempered safety glass panes for Panorama Sunroofs.

GFE and KATRI both confirmed that the dotted CPA area should be accounted as “CPA covered area” and therefore critical with higher risk of breakage.

MPA (Germany): remembered everyone that the target to the group is to keep the CPA area as small as possible through reduction to the technically required functional area only. In addition the target should be to define which minimum CPA area values would still support future roof requirements.

In the following discussion these issues were clarified:

- 1) The understanding of the OICA proposal is that the first rule is to achieve for each single glass pane a nominal max. value of 135mm CPA measured in a rectangular manner from the pure glass edge at any place over the whole length of the glass edge with either a completely CPA covered or a CPA stripe design sum-up.
- 2) In case the max. CPA value of 135mm is not achievable on a glass pane in an area with technically required CPA areas in a CPA stripe design, then the nominal value of CPA in this area may exceed 135mm, but then the secondary rule applies for this glass pane: that the total CPA area of this glass pane must be maximum 50% of the total glass pane.

It was not discussed or clarified that if the measurement in one area is not able to achieve 135mm as maximum, but others would be able to achieve the nominal value: The first rule design restriction to 135mm max. CPA value is then released for all areas and only the secondary rule applies as a whole for the glass pane OR the first rule remains valid for all areas where it can be achieved and the secondary rule applies in combination with the first rule only for the defined areas on the glass pane where first rule is not achievable.

2. Decide data type and discuss values

It was confirmed by KATRI that the final solution could consist of a primary or first rule with a CPA nominal value and a secondary rule with a CPA area % -value in case technical requirements are beyond the primary/first rule nominal value.

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

It was confirmed that the target of the informal work group is not a change of a technical regulation anymore, but an expert guideline defined as a "Mutual Resolution".

Due to time shortage the draft proposal of the mutual resolution of KATRI was not reviewed in detail, but the format was highly appreciated.

It was also agreed that the group must concentrate first on the definition and common agreement in the IWG of the boundary rules for CPA design and then start the work on the mutual resolution.

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

- The higher number of attendees in the WEBEX was much appreciated and should continue
- Secretary reminded the group that due to summer holiday break starting early July until end of August the definition and common agreement of values has to be closed until cw29 (mid of July)
- NEXT WEBEX planned for CW25 or 26 based on Doodle Poll until Friday this week

5. Any other business

nothing
