

4 online meetings since GRSG October session

- Chair : France (UTAC)
- Secretary : CLCCR

Meetings

- 11th session : 2020 October 27th & 28th / 32 attendees
- 12nd session : 2020 December 1st & 2nd / 30 attendees
- 13rd session : 2021 March 3rd / 28 attendees
- 14th session : 2021 March 25th / 26 attendees

Principles discussed for hammer efficiency ways of improvement

- Better location
- Better visibility
- Easier to use

Main discussions dealing with :

- Avoidance of non intentional activation
- Non design restrictive specifications
- Simple action to break all layers and reliability
- Force adapted to all passengers looking for evacuation
- Definition of adapted location
- Glass ejection facilitation to be considered after breaking

Principle #1 on location

- Efficiency is row number one compare to precise position
- Preservation of non intentional use is important
- Consensus within the group that no force level should be defined, just a physical evaluation during approval process

Principle #2 on visibility

- Only passive identification facilitation at least by means of a red color and marking

Principle #3 on easy to use

- No need for maximum level of force, only confirmation that it is adapted for all passengers.
- Discussion on an optional solution to facilitate glass ejection as glass – film couplings

1st combined FR/GER draft amendment proposal covering

- Permanent location on the glass (efficiency)
- Simple action for breaking + physical tests (easy to use)
- Position in the upper third of the height of the window surface (visibility & unintended operation)
- Alternative justified OEM proposal for implementation

Opened discussion

- VDL brings some concerns regarding systems which requires too high force level
- Glass ejection facilitation : coupling glass-plastic seems to be relevant under conditions
- Group defined that specifications on glass ejection facilitation could be addressed in UNR 107 keeping the glass component performance requirements in the dedicated regulation

Dedicated work on amendment draft proposal from FR/GER(see informal doc GRSG-121-XX under construction)

- Addition of a “safety sign reference” for device marking
- Introduction of protective cover or device designed to prevent unintended operation
- Opportunity to introduce plastic film with pre-cutted areas

➔ **still under discussion**

Points under discussion

- CLCCR reserves some concerns regarding the introduction of permanent location and single action specifications. CLCCR proposes to amend the proposal keeping safety efficiency (easy to use / visibility / location / misuse / unintended operation) but preserving compatibility with current technology (hammer).

➔ **still under discussion**

BMFE Next steps

Next session planed on May 10th 10:00 am to 1:00 pm (CET) online session

- Continue activities on current draft amendment proposal
- Introduction of adapted transitional provisions



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