

UNECE GRSP Ad-hoc Group Data on Equitable Occupant Protection (DEOP)

Draft minutes of the 5th meeting held on November 17, 2022.
Digital meeting with 36 participants.

Welcome and introduction

Pernilla Bremer of the Swedish Transportation Agency opened the meeting and welcomed all participants.

Adoption of the agenda

Agenda approved.

Minutes from previous meeting

Minutes approved.

Presentations

- Astrid Linder, the coordinator of the EU research project VIRTUAL, presented the main results and gave a short summary of the injury data that forms the background for the project. The project addresses the needs of models of both the female and the male part of the population in the assessment of road user safety. The use cases are seated occupants (adults and children) in vehicles, pedestrians, cyclists, and in addition, standing occupants in public transport. All models and tools developed in the project are open source.
- VIRTUAL, cont. A review of the UNECE testing regarding belt, frontal and side impacts were done showing that the model of the average male is required in all these tests (publication <https://doi.org/10.1016/j.aap.2019.02.030>). The virtual human body models (the VIVA+ 50F and 50M) were presented and their use as pedestrians being hit by a vehicle was shown. In addition, the outline of the Seat Evaluation Tools (SET) 50F and 50M for the low severity rear impact case was briefly described. Details about the SET can be found in the VTI publication 1147A, <https://www.diva-portal.org/smash/get/diva2:1709745/FULLTEXT01.pdf>.

Draft of Terms of Reference for a new IWG to replace the DEOP Ad hoc group

Review and discussion of a preliminary draft Terms of Reference for a new IWG to carry on the work by the DEOP.

- Positive response to the draft. A need for a schedule of deliverables was mentioned.
- VT is one preferred method. The aspect of HBM's and ATD's was discussed.
- The need to involve Euro NCAP was raised.
- Japan raised the question of which forum is best suited (IWG or other). This will depend on how complex and long in terms of time the work can conceivably take.
- The NHTSA explained how they reason and act around equity. We were able to state that the NHTSA has the same direction as the DEOP group.
- Pernilla shall put together a proposal for a timetable and shall send it out to the DEOP members. Comments to Pernilla no later than Tuesday w49.

Next step and meeting

Further discussions will be taken in the GRSP meeting.