

Minutes 6th WebEX Meeting of the BioRID TEG

Date & Timing: Monday, February 7th 2011, 12:00-13:15 (CET), 6:00 a.m. (EDT)

Meeting hosted by : Humanetics

Minutes drafted by: Bernd Lorenz

1. Welcome

- The chair welcomed the delegates around the world. He said that apologies have been received from the Chair of the GTR No. 7 Group, Bernie Frost, who was not able to attend the WebEx due to other urgent obligations.

2. Approval of Agenda

- The agenda was approved without changes.

3. Discussion

- Results from last GRSP and latest ToR of GTR No. 7 group
 - Asada-San/Japan presented the progress report and informed the TEG about a revised schedule for the WP.29 meeting in March and GRSP in May. This document will be discussed during the next joint GTR No. 7 and TEG meeting in Brussels.
 - Asada-San outlined the new situation with regard to the scope of injuries to be addressed during the current step of activities of the GTR No. 7 group. NHTSA is now considering a delta-v range around 16 to 24 kph and the use of BioRID. Japan has the feeling that in a first step delta-v around 16 to 18 kph might be a good way forward. However, a delta-v around 20 kph could be a compromise solution, too.
 - Concerns have been raised by some TEG members with regard to possible options for dummy choice (Hybrid III or BioRID) within the GTR. Such kind of option should be avoided.
- Status of current activities
 - Humanetics presented the current status of activities. They made a closer investigation of pin friction comparing test results of “normal pins” vs. “tight pins”. Test results show partly significant differences in the measurements or dummy response respectively. However, questions have been raised by the TEG how this problem could be handled in practice. Humanetics plans to perform further testing comparing also “normal pins” vs. “loose pins” and will work on a proposal based on the results. Concerns have been raised with regard to the biofidelity of the dummy if the pins might be too tight.
- Draft Certification Procedures for the BioRID II
 - Humanetics has received some comments on the draft certification procedure presented during the last meeting which will be included in a revised version of the document.
 - First experience with the new standard certification procedure without head restraint looks quite promising. Some TEG members asked whether the corridors might be tightened in the future. This seems to

be possible not only for the dummy responses but for the input corridors, too. With regard to the certification procedure with head restraints safety concerns have been raised. The significantly higher pendulum mass for this test might expose the staff to danger. This issue will be considered further and solutions will be explored. Up to now, the test with head restraint is done at Humanetics in the US, only.

- Questions have been raised whether the new certification procedure is now able to differentiate between dummies showing significant different responses at seat tests. Up to now, no sufficient data seems to be available. PDB offered to check for two dummies which have been used in their former test series and which have marked the upper and lower boundary of responses. If no major parts of the dummies have been changed in the meantime it could be helpful to test them with the new certification procedure. This shall be done before the next meeting.
- Preparation for the joint meeting with the GTR No. 7 group
 - Humanetics will prepare a presentation of the status of activities. PDB might have something to present based on simulation work.

4. AOB

- Humanetics would highly appreciate some feed back of the dummy users regarding the PADI and built level check. All BioRID users should check their dummies according the documents. It would be helpful to get an idea about the built level of the dummies used. All TEG members are invited to provide this information to Humanetics.
- Humanetics invited interested people to visit their facilities in the US.

5. Next Meeting

- Face to Face meeting: 28th of February to 1st March 2011, Brussels (Joint session with GTR 7)