



GTR7 Phase II Informal Group

1. Set up and agree on an appropriate target for R&R.
 - Evaluation of selected and refurbished BioRIDs.

2. Detailed checklist for BioRID maintenance:
 - Detailed manual for maintenance incl. schedule for the check / replacement of parts.

3. Develop the proposal for a certification procedure:
 - Agree a set of necessary certification procedures:
 - e.g. sled-test (with and w/o headrest), jacket stiffness, pelvis stiffness and spine flexion test (quasi static / dynamic ?)
 - Agreement on certification corridors to ensure target for R&R

Repeatability and Reproducibility

- Extensive study funded by the EC identified areas of dummy performance, particularly regarding reproducibility, that required further investigation.
- 4 dummies have been refurbished to include matched jackets, matched pelvis and complete replacement of bumpers taken from a common material batch.
- These dummies have been subjected to a further assessment that compliments the earlier study.
- CoV have been found to be generally in the acceptable range but Fz channels performing less well.

Certification

- Jacket stiffness evaluated using an existing procedure and a performance corridor proposed.
- Pelvis stiffness assessment conducted but procedures may require further work.
- Quasi-static calibration of the spine is not showing promise and a new procedure will be developed.
 - New sled based procedure is being considered.

Injury Criteria

- JARI has presented their work based upon modelling.
- This work has been subject to critical comparison with earlier NHTSA PMHS studies but will be updated in line with the ongoing PMHS programme.
- The JARI presentation included suggested injury criteria based upon a 95% certainty of injury.
- Further work has been requested to establish injury criteria at a 50% certainty of injury.
- It is intended that injury criteria will be discussed at the next informal group meeting in February 2013.

Draft Proposal

- A drafting group has held 7 WebEx meetings to review the content of GTR7 and formulate amendments.
- An initial review has been completed and a second reading will commence early in the new year.
- In parallel to the second review, a number of work streams are being undertaken to address particular issues.
- The Drafting Group will provide a draft document to the 53rd session of GRSP (May 2013).

Mutual Resolution

- The repository for test tool specifications was agreed at the November session of WP29. It will take the form of a “Mutual Resolution” (WP.29-158-19).
- This must be populated in parallel to the amendment to GTR7.
- Entries to the Mutual Resolution have to be agreed by the appropriate GR and adopted by WP29.
- A sub-group of the Informal Group will work to review the drawings and maintenance manual for BioRID and present their initial work toward an addendum to the Mutual Resolution at the next informal group and, ultimately, to GRSP.

Future meetings

- A series of WebEx meetings will be established to continue drafting a proposal in the New Year.
- The informal group will meet for two days in:
 - week beginning 11 February 2013.
 - week beginning 22 April 2013.
- Following the May session of GRSP a schedule of meetings will be established to develop the proposal as a formal document for presentation to the December 2013 session.



Delivery Timeline

Informal paper will be presented to the 53rd session of GRSP (May 2013).

- Formal paper will be presented to the 54th session of GRSP (December 2013).
- Proposal to be presented to the 163rd session of WP29 (June 2014).