GTR #7 – Phase II

Technical Sponsor: Japan

Chair: United Kingdom
(Bernie Frost – UK Department for Transport)

Secretary: OICA
(Kris Van der Plas – Honda)
Draft Terms of Reference

Initial discussions based upon:

WP.29 Proposals:

Japan - ECE/TRANS/WP.29/2008/76

US - ECE/TRANS/WP.29/2008/115
Draft Terms of Reference

• Head restraint height.

• To address minor whiplash injuries (MAIS 1) that occur in low speed rear impact crashes ($\Delta V \leq 18 \text{ km/h}$)

• To address:
  - minor whiplash injuries (MAIS 1) and,
  - the more severe whiplash injuries (MAIS 2 and MAIS 3)

that occur at higher speed rear impact crashes ($\Delta V \geq 18 \text{ km/h}$),
Draft Terms of Reference

(a) Define test conditions that reflect accidents in the real world, including the performance of seat backs and head restraints as a system;

(b) Clarify the theories on the mechanism of whiplash injury in order to identify which of them better reflects reality;

(c) Evaluate dummies that reflect the above mechanism with high fidelity to the human body and which demonstrates a high level of perfection as a measuring instrument;

(d) Evaluate indicators of human body injury that reflect the whiplash mechanism;

(e) Define reference values which should be based on the results of injury risk analysis and feasibility studies.
Recommendations

• Research and scientific guidance is needed in order to respond to the draft terms of reference.

• Co-ordination of the various research initiatives is desirable to facilitate development of the regulatory proposal.

• Setting a timetable for delivery is premature and this should be done following determination of the scientific agenda.

• WP29 should be asked to allow the informal group to propose a time table following the May 2009 session of GRSP.