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World Forum for Harmonization of Vehicle Regulations

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Item 16.2 of the provisional agenda

**PROGRESS ON THE DEVELOPMENT OF NEW GLOBAL TECHNICAL REGULATIONS
OR ON THE AMENDMENTS OF GLOBAL TECHNICAL REGULATIONS**

Gtr No. 7 (Head restraints)

Amendments to the proposal to develop Phase II of gtr No. 7
and to establish an informal group for its development

Submitted by the representative of the United States of America */

The text reproduced below was submitted by the representative of the United States of America and proposes amendments to the proposal to develop amendments to global technical regulation (gtr) No. 7 (ECE/TRANS/WP.29/2008/76). The proposed amendments are marked in bold and in strikethrough characters.

*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Paragraph 6., amend to read:

- "6. ...
- (a) ...
 - (b) Clarify the theories on the mechanism of whiplash injury **and other rear impact injuries** in order to identify which of them better reflects reality;
 - (i) Analyzing accidents;
 - (ii) Performing volunteer tests (**low speed only**) and simulations with human body finite elements (FE) models;
 - (c) Evaluate dummies that reflect the above mechanisms with high fidelity to the human body and which demonstrates a high level of perfection as a measuring instrument;
 - (i) ...
 - (ii) ...
 - (d) Evaluate indicators of human body injury that reflect the whiplash **and other rear impact injury** mechanisms;
 - (e) ..."

B. JUSTIFICATION

These amendments are clarification to the text to better reflect the evaluations being conducted by the United States.
