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UN Regulation No. 129 (Enhanced Child Restraint Systems)

Proposal for Supplement 6 to the 03 series of amendments to UN Regulation No. 129 (Enhanced Child Restraint Systems)

Submitted by the expert from the Spain*

The text reproduced below was prepared by the expert from Spain on behalf of the Technical Services Group (TSG) on UN Regulation No. 129. It aims at clarifying the head containment assessment for side impact testing. The modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2021 as outlined in proposed programme budget for 2021 (A/75/6 (Sect.20), para 20.51), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Paragraph 6.6.4.5.1., amend to read:

"6.6.4.5.1. Main injury assessment criterion — Head containment

~~During the loading phase of lateral impact testing, up to 80 ms side protection shall always be positioned at the level at the dummy's head centre of gravity perpendicular to the direction of the door intrusion. Head containment will~~ **shall** be assessed by the following criteria:

- (a) No head contact with the door panel;
- (b) Head shall not exceed a vertical plane identified by a red line on top of the door (top view camera). This vertical plane is identified by a line on the impacted door as defined in Annex 6, Appendix 3, Figure 1. This criteria is for monitoring purpose only for tests with a Q10 dummy."

II. Justification

The proposal is meant to clarify how to assess the head containment and in addition to increase the time frame for the assessment of the head containment criteria from the current period of 0 to 80 ms into the full duration of the entire test.
