

Proposal for Supplement 7 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 the Spain in behalf of the TSG group aims to clarify 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.

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~~ **At the start of the lateral impact test**, side protection shall ~~always~~ be positioned at the **same horizontal level and longitudinal position at as that** of the dummy's head centre of gravity, ~~perpendicular to the direction of the door intrusion~~ **between the vertical longitudinal planes of the head and the door panel.**

During the loading phase of lateral impact testing, up to 80 ms, head containment ~~shall will~~ be assessed by the following criteria:

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

II. Justification

1. The proposal is meant to clarify how to assess the head containment and ensure there is a side impact protection provided at the head cg level. It takes on board EU Commission's comments.