

Proposal for Supplement 8 to the 04 series of amendments to Regulation No. 44

I. Proposal

Paragraph 7.1.4.1.8., amend to read

"7.1.4.1.8. During the dynamic tests, the standard safety-belt used to install **an integral** child restraint shall not become disengaged from any guide or locking device utilized for the test conducted.

During the dynamic tests, the standard safety-belt used to install a non-integral child restraint, shall not become disengaged from any guide or locking device utilized for the test conducted; however, for the shoulder portion of the standard safety-belt this shall be judged up to the moment that the maximum horizontal head excursion of the dummy is reached. Furthermore during the dynamic test of a non-integral child restraint, the limit of acceptable movement of the shoulder belt is that the lower edge of the shoulder portion of the standard safety-belt shall not be lower than the dummy's elbow at the point of maximum horizontal head excursion of the dummy."

Annex 15 (explanatory notes), paragraph 6.2.4., shall be deleted

II. Justification

The present requirement for booster with belt guides for the diagonal belt is more stringent than for boosters without belt guides. This proposal aligns the requirement of belt disengagement with other requirements for CRS (e.g. the displacement criteria and the criteria as indicated in Annex 15 par.6.2.4.).

However, because of successive amendments in Annex 15 the reference to par.6.2.4. has in fact become confusing.

In history Annex 15 has entered into force on 28 February 1989 (as Amendment 4 to UN Regulation No. 44), and in those days the Explanatory Note to par. 6.2.4. was worded as follows:

"This shall be assessed by examination of the high—speed film results where visible penetration of the abdomen by any part of the restraint or riding up of any lap strap onto the chest, shall constitute a failure. (twisting of the dummy out of the shoulder strap before the point of maximum displacement shall itself also be considered as a failure, but at the manufacturer's request two further tests may be performed with the appropriate dummy. All tests requirements must be met in full during these tests."

From date of entry into force 29 December 2000 (as Amendment 2 to Rev.1 of UN Regulation No. 44) this Explanatory Note in Annex 15 to 6.2.4. was shortened to the text with strikethrough characters showed above.

However it was overlooked that the text of par.6.2.4. itself, being:

"6.2.4. The assembly shall not subject weak parts of the child's body (abdomen, crotch,etc.) to excessive stresses. The design shall be such that compression loads shall not be imposed on the crown of the child's head in the event of a collision.",

This has no relationship anymore with this shortened Explanatory Note. Therefore this still useful Explanatory Note (describing the judgement of the twisting of the dummy out of the shoulder part) is proposed to be clustered together with similar judgements namely in para. 7.1.4.1.8.).
