

Informal document amending the Proposal for Supplement 9 to the 06 series of Amendments to Regulation No. 16 (Safety belts)

Submitted by the expert from France on behalf of the informal group on Child Restraints Systems and updates the document ECE/TRANS/WP.29/GRSP/2016/21

I. Proposal

Paragraph 6.4.1.4.1.2.: amend to read

"6.4.1.4.1.2. In the case of any other occupant, contact of the head or of the chest with any rigid part of the vehicle in front of the manikin ~~would~~ **is not be** allowed. Additionally contact of the manikins head with its knees is not allowed.

For this assessment the seat of the tested manikin and, if applicable, the seat in front of the manikin shall be considered to be in the positions specified in paragraph 7.7.1.6. below. **With the exception of the deployed structure of an airbag assembly defined in para. 2.8, non-rigid material of < 50 Shore A hardness may be removed in order to demonstrate that covered or padded rigid parts are not contacted by the head or the chest of the manikin during the test.**"

Insert new paragraph 15.3.9.:

Transitional Provisions

15.3.9. Until 1 Sept 2018, no Contracting Parties applying this Regulation shall refuse to grant type approvals to the 06 series of amendments without taking into account Supplement 9 to the 06 series of amendments.

Annex 17, Appendix 2, Paragraph 4., amend to read:

"4. ISOFIX child restraint system ~~size envelope classes and~~ fixtures:

...

The fixtures ~~below~~ **above** shall be constructed with a mass between ~~510~~ **and/or ± 13 kg +/- 0.2 1 kg** and shall be of suitable durability and stiffness to satisfy the functional requirements, following the table below:

CRF	Mass (kg)	Tolerance (kg)
R1 ^a	10	± 0,2 1
R2 / R2X ^a	10	± 0,2 1
R3	13	± 0,2 1
L1 / L2	13	± 0,2 1
F2 / F2X ^a	13	± 0,2 1
F3	13	± 0,2 1
^a ISOFIX base mass taken into account.		

~~The physical centre of gravity of each CRF shall correspond to the geometrical centroid of the volume.~~

Annex 17, Appendix 5, Paragraph 4., amend to read:

4. Booster seat child restraint system fixtures:
- ISO/B2: Booster seat, reduced width 440 mm (figure 2)
 - ISO/B3: booster seat, full width 520 mm (figure 3)

The fixtures above shall be constructed with a mass of 7 kg +- 0,2 1 kg and shall be of suitable durability and stiffness to satisfy the functional requirements.

II. Justification

This informal doc amends the draft GRSP supplement 9 to R16-06 (ECE/TRANS/WP.29/GRSP/2016/21). Mass tolerances of the ISO fixtures were harmonized. The centroid would need more information, before choosing tolerances needed for certification tests.
