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Item 6 of the provisional agenda

UN Regulation No. 16 (Safety-belts)

Proposal for Supplement 5 to 08 Series of Amendments to UN Regulation No. 16 (Safety-belts) *

Submitted by the expert from Spain

The text reproduced below was prepared by the expert from Spain to define the minimum safety-belt installation on seats which face a Child Restraint System. The modifications to the current text of the UN Regulation are marked in bold for new characters.

* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), 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

Insert new paragraphs 8.1.8., to read:

"8.1.8. For M₂ and M₃ vehicles of all classes, forward-facing seats facing Built-in Child Restraint Systems shall be equipped with at least Ar seat belts."

Paragraph 8.1.8., renumber as paragraph 8.1.9.

Paragraph 8.1.8.1., renumber as paragraph 8.1.9.1.

Paragraph 8.1.8.2., renumber as paragraph 8.1.9.2.

Paragraph 8.1.8.3., renumber as paragraph 8.1.9.3.

Paragraph 8.1.8.4., renumber as paragraph 8.1.9.4.

Paragraph 8.1.9., renumber as paragraph 8.1.10.

Annex 16, amend to read:

"Annex 16

Safety-Belt Installation Showing the Belt Types and Retractor Types

Minimum requirements for safety-belts and Retractors						
Vehicle category	Forward facing seating positions				Rearward-facing seating positions	Side-facing seating position
	Outboard seating positions		Centre seating position			
	Front	Other than front	Front	Other than front		
M ₁	Ar4m	Ar4m	Ar4m	Ar4m	B, Br3, Br4m	-
M ₂ < 3.5 t	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Ar4m, Ar4Nm	Br3, Br4m, Br4Nm	-
M ₂ > 3.5 t	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm ●	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm ●	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm ●	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm ●	Br3, Br4m, Br4Nm	-
M ₃	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm ● See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm, or Ar4m or Ar4Nm ● See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm ● See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm or Ar4m or Ar4Nm ● See para. 8.1.7. for conditions when a lap belt is permitted	Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm
N ₁	Ar4m, Ar4Nm	Ar4m, Ar4Nm, Br4m, Br4Nm ∅ Para. 8.1.2.1. lap belt permitted if seat is inboard of a passageway	B, Br3, Br4m, Br4Nm or A, Ar4m, Ar4Nm* ¹ Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	-
N ₂	Br3, Br4m, Br4Nm or Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is outside the reference zone and for the driver's seat	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm, or A, Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	-
N ₃	Br3, Br4m, Br4Nm or Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is outside the reference zone and for the driver's seat	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm, or A, Ar4m, Ar4Nm* Para. 8.1.6. lap belt permitted if the windscreen is not in the reference zone	B, Br3, Br4m, Br4Nm	B, Br3, Br4m, Br4Nm	-

A: three-point (lap and diagonal) belt

B: 2-point (lap) belt

r: retractor

m: emergency locking retractor with multiple sensitivity

3: automatically locking retractor

4: emergency locking retractor

N: higher response threshold

(see UN Regulation No. 16, paras. 2.14.3. and 2.14.5.)

*: Refers to para. 8.1.6. of this Regulation²

∅: Refers to para. 8.1.2.1. of this Regulation

●: refers to para. 8.1.7. of this Regulation²

¹ Erratum to Supplement 12 to the 04 series of amendments, applicable "ab initio."

² Erratum to Revision 4, applicable "ab initio."

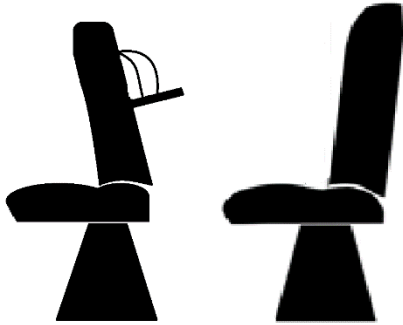
Note a 4: In all cases all S-type belts may be fitted in place of all possible A or B type belts, provided their anchorages comply with UN Regulation No. 14.

Where a harness belt has been approved as a S-type belt according to this Regulation, using the lap belt strap, the shoulder belt straps and possibly one or more retractors, one or two additional crotch straps including their attachments for their anchorages may be provided by the manufacturer/applicant. These additional anchorages need not meet the requirements of UN Regulation No. 14 (Erratum to Supplement 14 to the 04 series of amendments, applicable "ab initio.").

Note b: For M₂ and M₃ vehicles of all classes, forward facing Seats facing Built in Child Restraint Systems shall be equipped with at least Ar seat belts. "

II. Justification

1. For M₂ and M₃ vehicle of all classes, when an adult seating in a forward-facing seat which faces a built-in Child Restraint system, an impact between the adult and the child shall be prevented.



2. In order to prevent the impact between the occupants a 3-point belt is requested on the adult seating position.
