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World Forum for Harmonization of Vehicle Regulations

Working Party on Passive Safety

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Item 4.8.10 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSP

Proposal for Supplement 5 to the 08 series of amendments to UN Regulation No. 16 (Safety-belts)

Submitted by the Working Party on Passive Safety *

The text reproduced below was adopted by the Working Party on Passive Safety (GRSP) at its seventy-third session (ECE/TRANS/WP.29/GRSP/73 paras. 17 and 18). It is based on ECE/TRANS/WP.29/GRSP/2023/3 as amended by para. 17 to the report and on ECE/TRANS/WP.29/GRSP/2023/15 as amended by para. 18 to the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2023 sessions.

* 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 5.3.5., amend to read:

"5.3.5. The approval mark prescribed in paragraph 5.3.4. above may not be replaced by a Unique Identifier (UI) as referred to in Schedule 5 of the 1958 Agreement."

Paragraphs 5.3.5., 5.3.6. and 5.3.7. (former), renumber as paragraphs 5.3.6., 5.3.7. and 5.3.8. respectively.

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

| <i>Minimum requirements for safety-belts and Retractors</i> | | | | | | |
|---|---|---|---|---|--|-------------------------------------|
| <i>Vehicle category</i> | <i>Forward facing seating positions</i> | | | | <i>Rearward-facing seating positions</i> | <i>Side-facing seating position</i> |
| | <i>Outboard seating positions</i> | | <i>Centre seating position</i> | | | |
| | <i>Front</i> | <i>Other than front</i> | <i>Front</i> | <i>Other than front</i> | | |
| 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: 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. "
