

Submitted by the experts from Japan and Denmark

Informal document GRSP-59-19-

Rev.1

(59th GRSP, 9-13 May 2016,
agenda item 9)

**Proposal for Supplement 8 to the 06 series of amendments to
Regulation No. 16 (Safety-belts)**

Submitted by the experts from **Japan and Denmark**

The text reproduced below was prepared by the experts from **Japan and Denmark** to clarify the installation of safety-belts in vehicles in Annex 16 of the UN Regulation. The modifications to the current text of UN Regulation No. 16 are marked in bold for new or strikethrough for deleted characters.

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Fifty-ninth session¶
Geneva, 9-13 May 2016¶
Item 9 of the provisional agenda¶
Regulation No. 16 (Safety-belts)¶

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I. Proposal

Annex 16,

The table, 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	-	B, Br3, Br4m, Br4Nm
N ₁	Ar4m, Ar4Nm	Ar4m, Ar4Nm, Br4m, Br4Nm Ø 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	-

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EC/16/2010/MP.29/CRSP/2016/12

Minimum requirements for safety-belts and Retractors						
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 Regulation No. 16, paras. 2.14.3. and 2.14.5.)

*: Refers to para. 8.1.6. of this Regulation²

Ø: 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: 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 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 Regulation No. 14 (Erratum to Supplement 14 to the 04 series of amendments, applicable "ab initio.").

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II. Justification

1. In the current table of Annex 16 it may be difficult to determine **what applies for a certain vehicle category. The proposed amendment is only of editorial nature.** ~~if the outboard seating position (other than front) and centre seating position (other than front) are covered by the seatbelt requirement for vehicle category N₂.~~

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2. The proposal aims to avoid ~~further misunderstandings. Thus it is suggested that a few other separations in the table are to be removed, due to the fact that the separations may lead to the possibility of misinterpretation of the table.~~

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