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PROPOSAL FOR DRAFT AMENDMENTS (SUPPLEMENT 4 TO THE 03 SERIES)
TO REGULATION No. 44

(Child restraints)

Transmitted by the Expert from Germany

Note: The text reproduced below was prepared by the expert from Germany on behalf of the informal group of technical services in order to adapt the Regulation to the technical development.

Note: This text is distributed to the Experts on Passive Safety only.

A. PROPOSAL

Insert a new paragraph 2.11.1., to read:

"2.11.1. "support leg" means a rigid attachment to a child restraint creating a compressive load path between the child restraint and a vehicle structure; a support leg may be adjustable."

Paragraph 2.14.1., amend to read:

" ... under Regulation No. 14. This includes the floor panel or other structural features of a vehicle when loaded by a support leg."

Insert a new paragraph 2.28., to read:

"2.28. "Adult safety-belt webbing guide" means a device through which the adult belt passes for its correct routing, that allows free webbing movement."

Insert a new paragraph 6.1.3.5., to read:

"6.1.3.5. Child restraints utilising a support leg shall only be approved under the "semi-universal" or the "specific vehicle" category and the requirements of annex 11 to this Regulation shall be applied."

Insert a new paragraph 7.1.4.1.9., to read:

"7.1.4.1.9. A child restraint with a support leg shall be tested as follows: In the case of "semi-universal" category the support leg shall be adjusted to its maximum and to its minimum position; this shall include the inclination outside of the mid-position of the child restraint shell, if adjustable and influencing; the minimum position shall be supported by an additional rigid horizontal surface attached to the sled at the relevant height above the sled surface; both surfaces shall not offer resistance to leg movement in horizontal directions. In the case of "specific vehicle" category adjusted as specified by the child restraint manufacturer."

Annex 6, appendix 3,

Insert a new paragraph 9., to read:

"9. In the case of child restraints utilising a support leg, the technical service shall select the anchorages to be used according to paragraphs 2., 3., 4. or 5. above and with the support leg adjusted as specified in paragraph 7.1.4.1.9."

Annex 18, paragraph 1., amend to read:

" of the child seat. In the case of carry cot devices the whole inner surfaces shall be covered with material complying with annex 17; this material has to fulfil its purpose together with the inner side structure; the technical service may assess this aspect with further tests."

B. JUSTIFICATION

Ref. paragraph 2.28.

The definition of a webbing guide is necessary for such mass groups where a lock-off device is not prescribed and where a webbing guide is only used which shall not be submitted to the lock-off test requirements. This revised proposal omits any test qualification because the upcoming lower limit of 1 N in Regulation No. 16 (adult safety-belts) for webbing roll-off force cannot be tested properly at such a webbing guide.

Ref. annex 18, paragraph 1.

The respective specification in Supplement 3 to the 03 series of amendments to this Regulation took into account neither the rear impact nor the two orientation possibilities of a child in a carrycot. So the whole inner side surface was found to need energy absorbing material.

Ref. all other paragraphs

The support leg at child restraints is a new feature of technical development; it needs to be specified for testing because it has already been submitted for approval testing at technical services.
