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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Passive Safety****Sixty-fourth session**

Geneva, 11-14 December 2018

Item 19 of the provisional agenda

**UN Regulation No. 129 (Enhanced Child Restraint Systems)****Proposal for Supplement 5 to the 02 series of amendments to  
UN Regulation No. 129****Submitted by the expert from the European Association of Automotive  
Suppliers\***

The text reproduced below was prepared by the expert from the European Association of Automotive Suppliers (CLEPA) aims at clarifying the provisions required for booster seats in the 02 series of amendments to UN Regulation No. 129. The modifications to the current text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, programme activity 02.4), 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.

GE.18-15934(E)



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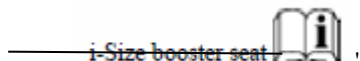
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## I. Proposal

Paragraph 4.7.1., amend to read:

- "4.7.1. i-Size booster seat Enhanced Child Restraint Systems shall have a permanently attached label **of the i-Size logo according to paragraph 4.6.1.** ~~with the following information~~ visible to the person installing the Enhanced Child Restraint System in the car.



Paragraph 6.1.3.3., amend to read:

- "6.1.3.3. For ~~non-integral booster seats Enhanced Child Restraint Systems~~, type approval shall not be granted for a stature below 100 cm. ~~Non-integral Booster seats Enhanced Child Restraint Systems~~ shall not be declared for use below a stature of 100 cm.

~~Non-integral Booster seats Enhanced Child Restraint Systems~~ shall not be approved with an upper stature limit of 105 cm or below.

Booster seats shall ensure lateral protection of the child as described in paragraph 7.1.3.1.3. up to a stature of 135 cm."

Paragraph 6.3.2.1., amend to read:

- "6.3.2.1. Internal geometric characteristics

The Technical Service conducting the approval tests shall verify that the internal dimensions of the Enhanced Child Restraint System conform to the requirements of Annex 18. The minimum dimensions for shoulder breadth, hip breadth and sitting height shall be fulfilled simultaneously for any stature within the size range declared by the manufacturer.

...

~~Booster seats Non-integral Enhanced Child Restraint System~~ shall also fulfil the maximum dimensions of shoulder height, for any stature within the size range declared by the manufacturer."

Paragraph 6.3.2.2.2., amend to read:

- "6.3.2.2.2. Non-Integral Class Enhanced Child Restraint Systems

...

When conducting this assessment, the ~~booster seat non-integral Enhanced Child Restraint System~~ shall be adjusted to accommodate children of 135 cm stature (height, depth and width dimensions as defined in Annex 18) or to the largest size of its declared stature range if the upper limit is below 135 cm.

The ~~booster seat Non-integral Enhanced Child Restraint System~~ shall fit within the booster seat fixture in all angles of inclination of the fixture (90°-110°). The Enhanced Child Restraint System may be adjusted between inclination angles or positions to fit within the different booster seat fixture angles.

If other positions of inclination are outside the limits of the applicable size envelope, the user manual shall indicate that the child restraint may not fit in all approved vehicles when used in one of these positions. If the ~~booster seat Non-integral Enhanced Child Restraint System~~ has a declared stature range above 135 cm, and if it is necessary to adjust the child restraint outside the limits of the applicable size envelope for such adjustments (height, depth and

width dimensions), the user manual shall indicate that the child restraint may not fit in all approved vehicles when used in one of these positions."

*Paragraph 6.6.4.1.2.2.*, amend to read:

"6.6.4.1.2.2. For Enhanced Child Restraint Systems which are in conformity with paragraph 6.3. of this Regulation (for example ECRS using no anti-rotation device or using additional anchorages) or do not fit in any envelope defined in Regulation No. 16, Annex 17, Appendix 2 **or Appendix 5**, on the test trolley in a vehicle body shell in conformity with paragraph 7.1.3.2. or in a complete vehicle in conformity with paragraph 7.1.3.3. of this Regulation."

## **II. Justification**

The proposal aims at clarifying the provisions required for booster seats in the 02 series of amendments UN Regulation No. 129, to avoid a possible confusion with the provisions that are defined for booster cushions in the proposal for the 04 series of amendments (ECE/TRANS/WP.29/GRSP/2018/29). In addition a missing reference to an appendix of UN Regulation No.16 that defines envelopes for non integral Enhanced Child Restraint Systems was added.

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