

## **Proposal for Supplement 5 to the 03 series of amendments to UN Regulation No. 129\***

### **Submitted by the expert from Spain**

The text reproduced below was prepared by the expert from Spain on behalf of the Technical Services Group (TSG) on 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.

## **I. Proposal**

*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.

Integral Enhanced Child Restraint System shall also fulfil the minimum and maximum dimensions of shoulder height, for any stature within the size range declared by the manufacturer. **The maximum dimension should not be considered for specific vehicle built-in.**

Integral Enhanced Child Restraint Systems that feature an impact shield shall also be capable of being adjusted to fulfil:

(a) The 5<sup>th</sup> percentile upper leg thickness and 5<sup>th</sup> percentile abdomen depth, simultaneously to the 5<sup>th</sup> percentile shoulder height;

(b) The 95<sup>th</sup> percentile upper leg thickness and 95<sup>th</sup> percentile abdomen depth, simultaneously to the 95<sup>th</sup> percentile shoulder height, shoulder breadth, hip breadth and sitting height.

For any stature within the size range declared by the manufacturer.

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.

Booster seats shall also fulfil the maximum dimensions of shoulder height, for any stature within the size range declared by the manufacturer.

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\*In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, Cluster 3.1), the World Forum will develop, harmonize and update UN regulations to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

Booster cushions shall fulfil the minimum dimensions of hip breadth for the largest stature of the size range declared by the manufacturer. No other internal dimensions are applicable for booster cushions provided the requirements of paragraph 6.1.3.6. are met.

## **II. Justification**

To make it able for vehicle manufacturers to optimize the ECRS, regarding the safety for children and adults in the vehicle.

For built in ECRS the minimum internal measures should be fulfilled, in order to ensure that the children will fit in the ECRS, but the maximum dimension should not be defined as it is a limitation of the design of the ECRS.