

Proposal for supplement 4 to the 04 series of amendments to UN Regulation No. 129 (Enhanced child restraint systems)

The text reproduced below was prepared by the members of the Technical Services Group (TSG) and is presented on their behalf by the expert from the Kingdom of the Netherlands to clarify that the removal of an insert may also trigger additional tests with alternative dummy statures. The modifications are marked in **bold** for new and strikethrough for deleted characters.

I. Proposal

Paragraph 7.1.3.6., amend to read:

“7.1.3.6. Size indication

The dynamic tests shall be conducted with the largest dummy and the smallest dummy as defined in the following tables according to the size range indicated by the manufacturer for the Enhanced Child Restraint System.

Table 8
Selection criteria for the dummy according to the range

Size range indication (in cm)	≤ 60	$60 < x \leq 75$	$75 < x \leq 87$	$87 < x \leq 105$	$105 < x \leq 125$	> 125
Dummy	Q0	Q1	Q1.5	Q3 ²	Q6	Q10 ¹

¹ No lateral impact test using the Q10 dummy is required for i-Size booster seats with a size range upper limit between 125 cm and 135 cm.

² ECRS shall not be approved only on the base of Q3 test results in non-integral configuration

Where the Enhanced Child Restraint System requires substantial modification for different sizes (e.g., convertible Enhanced Child Restraint System, **when an insert is provided/removed**) or if the size range covers more than 3 size ranges a relevant intermediate dummy(ies) shall be tested in addition to the dummy(ies) defined above.

...”

II. Justification

1. Removing an insert results in a new size range being determined. For example, if the child seat has a size range of 40-85 cm, this seat uses an insert with a size range of 40-60 cm. If the insert is removed, a size range of 61 to 85 cm remains. This means that the tests must also be carried out with Q1 as the smallest dummy for this 'new' range. At present, it may not be clear that a 'substantial change' may include the removal of an insert.