

**Economic and Social Council**Distr.: General  
25 February 2013

Original: English

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

Geneva, 13–17 May 2013

Item 13 of the provisional agenda

**Regulation No. 44 (Child restraints systems)****Draft Supplement 8 to Regulation No. 44****Submitted by the expert from Japan\***

The text reproduced below was prepared by the expert from Japan to extend the range of application of the overturning test on a broader range of child restraint systems. The modifications to the text of the UN Regulation, including ECE/TRANS/WP.29/GRSP/2012/21 (as amended by Annex V of ECE/TRANS/WP.29/GRSP/52), 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 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

## I. Proposal

*Paragraph 8.1.2.1.*, amend to read:

"8.1.2.1. The manikin shall be equipped with the load application device as described in Annex 23 ~~and placed~~. **Either of the load application devices could be chosen, which could apply the load appropriately.\* Place the manikin** in the restraints installed in accordance with this Regulation and taking into account the manufacturer's instructions and with the standard slack as specified in paragraph 8.1.3.6. below, applied for all systems identically."

*Annex 23*, amend to read:

### "Annex 23

"Load application device I (~~to be used for Group 0/0+ products~~)

...

Load application device II (~~to be used for Group 1~~)

..."

## II. Justification

1. The results of the demonstration tests described below confirmed that evaluation can be performed without any problems with the child dummies of any Groups using either of the two load application devices. Therefore, we propose that load application devices I and II can be used for any Groups, subject to consultation between the manufacturer and the laboratory.

Figure 1

**Validation test of load application device I for Group 1**

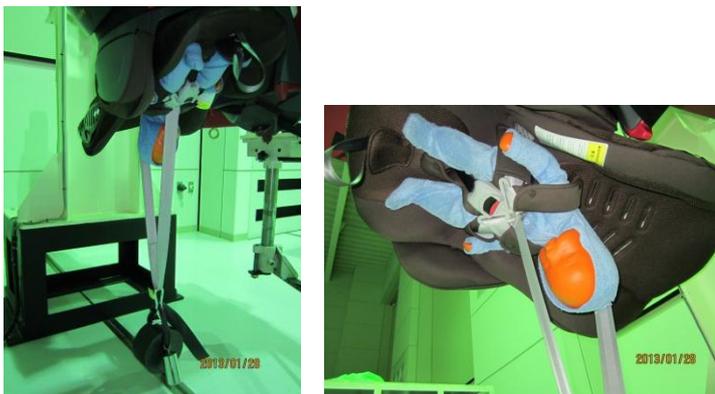


Although some interference between the device and the harness was observed, we have concluded that such interference would not affect the test result.

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\* Note by the secretariat: it should be clarified

Figure 2  
Validation test of load application device II for Group0/0+



Load can be applied without any interference between the device and the harness.

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