



**Economic and Social
Council**

Distr.
GENERAL

TRANS/WP.29/2004/62
20 July 2004

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)
(One-hundred-and-thirty-fourth session,
16-19 November 2004, agenda item 5.2.9.)

DRAFT SUPPLEMENT 7 TO THE 03 SERIES OF AMENDMENTS TO REGULATION No.44
(Child restraint systems)

Transmitted by the Working Party on Passive Safety (GRSP)

Note: The text reproduced below was adopted by GRSP at its thirty-fifth session and is transmitted for consideration to WP.29 and AC.1 (TRANS/WP.29/GRSP/35, para. 24). It is based on TRANS/WP.29/GRSP/2004/3, TRANS/WP.29/GRSP/2004/4, TRANS/WP.29/GRSP/2004/12 and TRANS/WP.29/GRSP/2004/13, as amended by annex 3 to the report.

This document is a working document circulated for discussion and comments. The use of this document for other purposes is the entire responsibility of the user.

Documents are also available via the INTERNET:

<http://www.unece.org/trans/main/welcwp29.htm>

Paragraph 6.2.4.1., amend to read:

"6.2.4.1. Y-shaped belts may only be used in rearward facing and lateral facing child restraint systems (carrycots). "

Paragraph 7.1.4.1.9., amend to read:

"7.1.4.1.9. A child restraint with a support leg shall be tested as follows:

a) In the case of semi-universal category, the tests for frontal impact shall be conducted with the support leg adjusted to both its maximum and minimum adjustment compatible with the positioning of the trolley floor pan. The tests for rearward impact shall be conducted with the worst case position selected by the Technical Service. During the tests the support leg shall be supported by the trolley floor pan as described in annex 6, appendix 3, figure 2. If there is clearance between the shortest leg length and the highest floor pan level, the leg is adjusted to the floor pan level of 140 mm below Cr. If the maximum leg length is more than the lowest floor pan level would allow to be used, the leg is adjusted to that lowest floor pan level of 280 mm below Cr. In the case of support leg with adjustable steps, the support leg length shall be adjusted to the next adjustment position, in order to ensure the support leg is in contact with the floor.

b) in the case... "

Insert new paragraph 8.1.3.5.6., to read:

"8.1.3.5.6. For carry cots utilizing additional straps that are attached to two adult safety belts, where the load path shall apply directly through the adult safety belt to the adult safety belt lower anchorage, the anchorage on the test trolley shall be as prescribed in annex 6, appendix 3, paragraph 7 (A1, B1). Installation on the test bench shall be as described in annex 21, note 5. This system must work correctly even with the adult safety belts unlocked, and is considered as Universal when complying with paragraph 6.1.8."

Paragraph 8.1.3.7.9., amend to read:

"8.1.3.7.9. The test specified in paragraph 7.1.4.1.10.1.2. need only be carried out with the largest manikin for which the child restraint is designed."

Paragraphs 8.4. to 8.4.1.2., amend to read:

"8.4. Registration of dynamic behaviour

8.4.1. In order to determine the behaviour of the manikin and its displacements, all dynamic tests shall be registered according to the following conditions:

8.4.1.1. Filming and recording conditions:

- the frequency shall be at least 500 frames per second;
- the test shall be recorded on cine film, video or digital data carrier;

8.4.1.2. Estimation of uncertainty:

Testing laboratories shall have and shall apply procedures for estimating uncertainty of measurement of the displacement of the manikin's head. The uncertainty shall be within ± 25 mm.

Examples of international standards of such procedure are EA-4/02 of the European Accreditation Organization or ISO 5725:1994 or the General Uncertainty Measurement (GUM) method."

Annex 21, insert a new note 6., to read:

- "6. In case of carrycot installed as described in paragraph 8.1.3.5.6., the connection between the adult safety belt and the restraint shall be simulated. A 500 mm free end length adult safety belt (measured as described in annex 13) is connected by the anchoring plate described in annex 13 to the prescribed anchoring points. The restraint is then connected to the free end adult safety belts. The tension on the adult safety belt, measured between the anchoring point and the restraint shall be 50 ± 5 N."
-