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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Passive Safety

Forty-seventh session

Geneva, 17–21 May 2010

Item 20 of the provisional agenda

**Collective amendments to Regulations Nos. 12, 14, 16,
17, 21, 25, 32, 33, 94, 95 and 114**

Proposal for corrigenda to Regulations Nos. 12, 14, 16, 17, 21, 25, 32, 33, 80, 94, 95 and 114.

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) in order to complete the information regarding the body-block. It is based on a document without symbol (GRSP-46-23) distributed during the forty-sixth session of the Working Party on Passive Safety (GRSP).

The modifications to the current text of Regulations Nos. 12, 14, 16, 17, 21, 25, 32, 33, 80, 94, 95 and 114 are marked in bold or strikethrough characters.

* In accordance with the programme of work of the Inland Transport Committee for 2006–2010 (ECE/TRANS/166/Add.1, 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

A. Regulation No. 12 (Steering mechanism)

Annex 6,

Appendix 1, amend to read:

“DESCRIPTION OF THE THREE DIMENSIONAL “H” POINT MACHINE *

...

* For details of the construction of the 3-D H machine refer to Society of Automobile Engineers (SAE), 400 Commonwealth Drive, Warrendale, Pennsylvania 15096, United States of America. The machine corresponds to that described in ISO Standard 6549:1999.

...

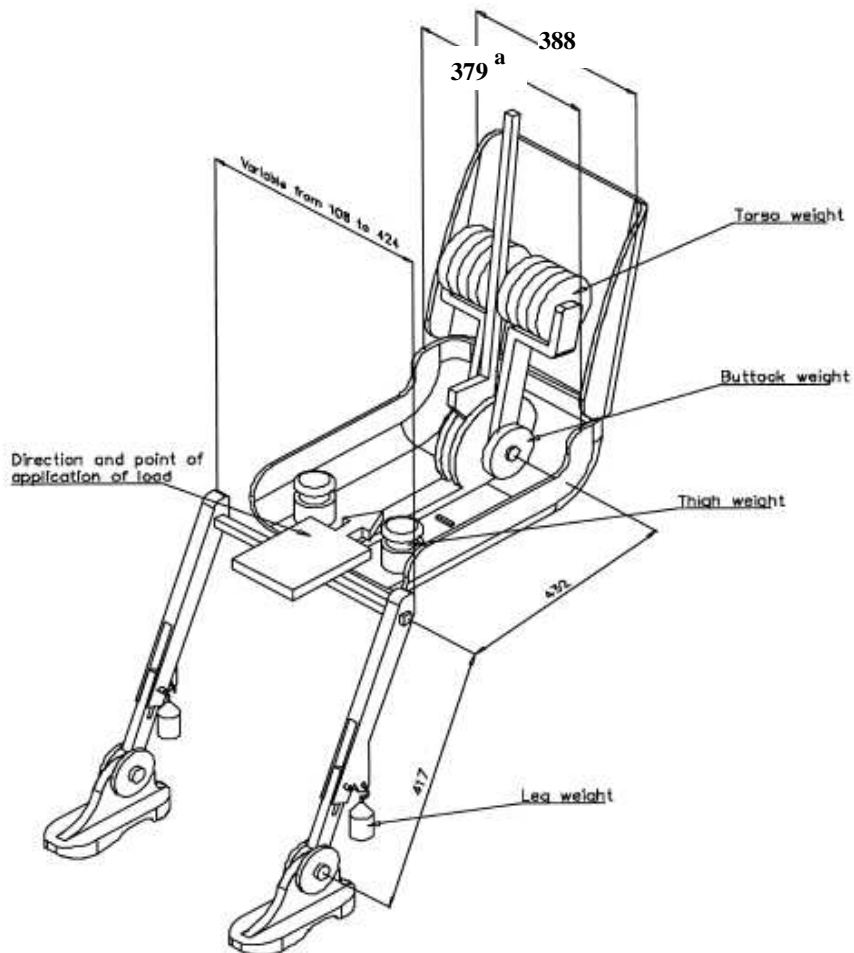


Figure 2: Dimensions of the 3-D H machine elements and load distribution **a excludes H-point buttons**

B. Regulation No. 14 (Safety-belt anchorages)

Annex 4,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

C. Regulation No. 16 (Safety-belts)

Annex 15,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

D. Regulation No. 17 (Strength of seat)

Annex 3,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

E. Regulation No. 21 (Interior fittings)

Annex 5,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

F. Regulation No. 25 (Head restraints)

Annex 3,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

G. Regulation No. 29 (Cab of a commercial vehicle)

Annex 4,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

H. Regulation No. 32 (Rear-end collision)

Annex3,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

I. Regulation No. 33 (Head-on collision)

Annex 3,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

J. Regulation No. 80 (Strength of seats and their anchorages)

Annex 4,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

K. Regulation No. 94 (Frontal collision)

Annex 6,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

L. Regulation No. 95 (Lateral collision)

Annex 3,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

M. Regulation No. 114 (Airbag module for a replacement airbag system)

Annex 8,

Appendix 1, amend to read (same amendments as for Regulation No. 12 page 2 of this proposal)

II. Justification

Since 1989 all H-point measurement devices produced by SAE have a back width of 388 mm and cushion width of 379 mm instead of 395 mm and 385 mm respectively. This clarification has been introduced into ISO 6459:1999. It is also mentioned in SAE J826-November 2008. The difference has a minor influence on the measurement of the torso angle and H-point in comparison to the allowed tolerances. But those small influences in

H-point and torso angle will be significant for the backset measurement of Regulation No. 17 series 09 and only dummies compliant to actual SAE builds shall be used for backset measurement.
