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(Eighty-sixth session, 19-23 April 2004,
agenda item 4.)

PROPOSAL FOR AMENDMENTS TO DOCUMENT TRANS/WP.29/GRSG/2003/25

(Proposal for 01 series of amendments to Regulation No. 66)
(Strength of superstructure of large passenger vehicles)

Transmitted by the expert from the Czech Republic

Note: The text reproduced below was prepared by the expert from the Czech Republic.

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A. PROPOSAL

Paragraph 2.16., amend to read:

"... with the portion $k = 50$ of the total occupant mass (M_m), considered to be rigidly attached to the vehicle."

Paragraph 3.2.1.4., replace the reference to "paragraph 2.11." by "paragarah 3.2.2.1."

Paragraph 3.2.4., replace the words "rigid parts" by "sections".

Paragraph 5.2.2., amend to read:

"... shall be taken at the centre plane of the vehicle (see figure 1(c));"

Paragraph 5.5., amend to read:

".... Each rigid section of an articulated vehicle may be tested separately or in combination as prescribed in annex 5, paragraph 2.3. or in annex 3, paragraph 2.6.7."

Annex 1,

Insert a new item 3., to read:

"3. Vehicle category / class:"

Former items 3. to 7., renumber as 4. to 8.

Insert a new item 9., to read:

"9. Maximum number of seats permitted to be fitted with occupant restraints:....."

Items 8. and 9. (former), renumber as items 10. and 11.

Item 8. (former), (renumbered as item 10.), amend to read:

"10. The position of the centre of gravity of the total vehicle in the longitudinal, transverse and vertical planes:

10.1. for unladen kerb mass:"

10.2. for total effective mass:....."

Items 10. to 10.2 (former), should be deleted.

Items 11. to 20. (former), renumber as items 12. to 21.

Annex 3, add a new paragraph 2.6.7., to read:

"2.6.7. The centre of gravity position shall be tested separately for each rigid section of the articulated vehicle."

Annex 5, paragraph 2.1.5.2., amend to read:

"2.1.5.2. placed to have its centre of gravity 200 mm above and 100 mm forward of the R point of the seat as defined in Regulation No. 21, annex 5."

Annex 7, paragraph 4.2.1. and annex 8, paragraph 3.1., the formula, amend to read:

$$"E_T = 0.75.M.g.\Delta h"$$

* * *

B. JUSTIFICATION

Re. annex 1

Annex 1 twice repeats the same requirement for CG position of unladen vehicle in former items 8 and 10.1 and omits some other necessary data. The total effective mass is derived from the number of permitted seats with occupant restraints.

Re. annex 3

The procedure described in annex 3 gives no possibility how to estimate directly the height of the centre of gravity for the whole articulated vehicle as one complex.

Re. annex 5

The effect of additional mass blocks must be expressed regarding the position of their centre of gravity.
