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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### Working Party on General Safety Provisions

#### Ninety-eighth session

Geneva, 3–7 May 2010

Item 2 of the provisional agenda

#### Regulation No. 66 (Strength of superstructure)

## Proposal for amendments to Regulation No. 66

### Submitted by the expert from Hungary\*

The text reproduced below was prepared by the expert from Hungary in order to take into account the extension of the scope of the Regulation to double deckers. It is based on informal document GRSG-97-17. The modifications to the current text of the Regulation are marked in bold characters.

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\* 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.

## A. Proposal

*Insert a new paragraph 5.6., to read:*

**"5.6.            Testing of double deck vehicles**

**In the case of a double deck vehicle only the upper level of the vehicle shall comply with the general requirement specified in paragraph 5.1. The whole lower level shall be considered as a rigid part, therefore no test is required on it."**

*Paragraphs 5.6 (former), 5.6.1, 5.6.2. and 5.6.3., renumber as paragraphs 5.7., 5.7.1., 5.7.2. and 5.7.3. respectively.*

*Annex 4*

*Insert a new paragraph 1.1.5., to read:*

**"1.1.5.        In case of a double deck vehicle the whole lower level shall be considered as one rigid part (see paragraph 5.6. of this Regulation). Only the upper level, above the roof of the lower level, shall be defined according to paragraphs 1.1.1 to 1.1.4 of this Annex."**

*Insert a new paragraph 4.4., to read:*

**"4.4.        In the case of a double deck vehicle the occupant masses on the lower level, belonging to seats having restraint shall be attached to their seats and considered in the mass of the rigid part."**

*Annex 8, insert a new paragraph 1.1.3., to read:*

**"1.1.3.        In the case of a double deck vehicle, PZ-s and PH-s shall be considered only on the superstructure of the upper level. (No energy absorption on the lower level)"**

## B. Justification

Paragraph 5.6.: Similarly to the articulated vehicles (see paragraph 5.5.) the specific feature of the double deck vehicles shall be considered, because now the regulation may be applied to double deck coaches as well.

Annex 4, paragraph 1.1.5.: The application of paragraphs 1.1.1. to 1.1.4. shall be clear for double deck coaches as well.

Annex 4, paragraph 4.4.: It shall be clear how to consider the passenger masses on the lower level, which is a rigid part.

Annex 8, paragraph 1.1.3.: The same as above