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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on General Safety Provisions (GRSG)  
(Eighty-seventh session, 12-15 October 2004,  
agenda item 3.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 107  
(M2 and M3 category vehicles)  
Draft provisions for double-deck vehicles without roof

Transmitted by the expert from Spain

Note: The text reproduced below was transmitted by the expert from Spain. It is based on the text of informal document No. GRSG-86-31 (TRANS/WP.29/GRSG/64, para. 12.).

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Note: This document is distributed to the Experts on General Safety Provisions only.

Insert a new paragraph 2.1.8., to read:

"2.1.8. "Double-deck vehicle without roof": a double-deck vehicle that lacks the roof in more than 50 per cent of the surface of the top floor. This vehicle will belong to classes I and A only."

Annex 9,

Paragraph 7.6., amend to read:

"7.6. Exits

The double-deck vehicles without roof shall fulfil:

- on the low floor, the prescriptions required for the low floor of the double-deck buses;
- on the top floor, the prescriptions that are not incompatible with floor absence."

Paragraph 7.11., amend to read:

"7.11. Hand-rails and hand-holds

Every double-deck bus without roof in the top floor, shall have:

- a continuous wing in all the area that has no roof, with a height not lower than [1.100 ]mm from the floor placed immediately in the low part;
  - a continuous protection hand-rail with a length at least equal to the area that has no roof and that fulfils the following characteristics:
    - no dimension of its section must be lower than 20 mm and not exceed 45 mm;
    - the height of any hole between the hand-rail and the adjacent wing shall not exceed [150] mm;
    - it shall be firmly subjected to the resistant structure of the vehicle.
  - a continuous protection in the front part of the upper floor that covers all the width of the vehicle and to a height of 4 m from the ground below the vehicle, so that it protected the passengers from any possible intrusions from the front part of the vehicle."
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