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Working Party on Brakes and Running Gear (GRRF)

Sixtieth session Geneva, 18–22 September 2006 Item 3. of the provisional agenda

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 90 (Replacement brake linings)

<u>Submitted by the experts from the Federation of European Manufacturers of</u>
Friction Materials (FEMFM)

<u>Note</u>: The text reproduced below has been prepared by the experts from FEMFM. It is based on proposal TRANS/WP.29/GRRF/2005/17 and it is aimed at clarifying the provisions for the performance test for bedding of brake linings. The modifications to the latter document are marked in **bold** characters.

Note: This document is distributed to the Experts on Brakes and Running Gear only.

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A. PROPOSAL

Annex 3

New paragraph 1.1.2.3., amend to read (inserting a reference to a new footnote $\underline{1}$):

1.1.2.3. Performance check

By braking only one axle at a line pressure of 4 MPa $\underline{\mathbf{1}}/$ and with an initial temperature of"

<u>Insert a new footnote</u> 1/, to read:

"1/ For other than hydraulic braking systems an equivalent input value should be used."

B. JUSTIFICATION

During the discussion in the fifty-eighth session of GRRF, it was mentioned that stating only an application pressure of 4 MPa would reflect only on hydraulic braking systems but would not cover possible new braking systems (e.g. electrical).

As it is difficult to define equivalent input values for other braking systems which are not on the market, the above footnote is proposed. "Equivalent input value" may be a pedal force or a voltage or other input value giving a similar deceleration as with a hydraulic braking system applied at 4 MPa.
