A. PROPOSAL

Insert new paragraphs 2.32. and 2.33., to read:

"2.32. **Braking signal**: logic signal indicating brake activation as specified in paragraph 5.2.1.30.

2.33. **Emergency braking signal**: logic signal indicating emergency braking as specified in paragraph 5.2.1.31."

Paragraph 5.2.1.30. (see TRANS/WP.29/2004/38), amend to read:

"5.2.1.30. Generation of a **braking** signal to illuminate stop lamps."

Insert new paragraphs 5.2.1.31. to 5.2.1.31.2.(b), to read:

"5.2.1.31. When a vehicle is equipped with the means to indicate emergency braking, the emergency braking signal shall be **activation**ed and de-**activation**ed of the emergency braking signal shall meet according to the specifications below:

5.2.1.31.1. The signal shall be activated by the application of the service braking system as follows:

<table>
<thead>
<tr>
<th>Shown not be activated below</th>
<th>M1 and N1</th>
<th>$6 \div m/s^2$  (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2, M3, N2 and N3</td>
<td></td>
<td>$4 \div m/s^2$  (1)</td>
</tr>
</tbody>
</table>

The signal shall be de-activated for all vehicles **at the latest** when the deceleration is **has fallen** below 2.5 m/s².

5.2.1.31.2. The following conditions may also be used:

(a) The signal may be activated by the application of the service braking system in such a manner that it would produce, in an unladen condition and engine disconnected, under the test conditions of Type-0 as described in Annex 4, a deceleration of **as follows**:

<table>
<thead>
<tr>
<th>Shown not be activated below</th>
<th>M1 and N1</th>
<th>$6 \div m/s^2$  (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2, M3, N2 and N3</td>
<td></td>
<td>$4 \div m/s^2$  (1)</td>
</tr>
</tbody>
</table>

The signal shall be de-activated for all vehicles **at the latest** when the deceleration is **has fallen** below 2.5 m/s².

Note: This document is distributed only to the Experts on Brakes and Running Gear.
(b) The signal may be activated when:
- the service braking system is applied and;
- the antilock system is full cycling (as defined in paragraph 2. of Annex 13)
  and;
- the initial speed is above 50 km/h.

Insert a new footnote 1/, to read:

"1/ When measuring the deceleration, a tolerance of ±1.25 m/s² will be applied."

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