

## Proposal for amendments to UN Regulation No. 13

Proposed amendments are indicated in bold for new characters, and strikethrough for deleted characters.

### I. Proposal

*Annex 4, paragraph 1.8.1.2., amend to read:*

- “1.8. Type-IIA test (endurance braking performance)
- 1.8.1. Vehicles of the following categories shall be subject to the Type-IIA test:
- 1.8.1.1. Vehicles of category M<sub>3</sub>, belonging to Classes II, III or B as defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3).
- 1.8.1.2. Vehicles of category N<sub>3</sub> which are authorized to tow a trailer of category O<sub>4</sub>. ~~If the maximum mass exceeds 26 tonnes, the test mass is limited to 26 tonnes or, in the case where the unladen mass exceeds 26 tonnes, this mass is to be taken into account by calculation.~~
- 1.8.1.3. Certain vehicles subject to ADR (see Annex 5).”

*Annex 4, paragraph 1.8.2.1., amend to read:*

- “1.8.2.1. The performance of the endurance braking system shall be tested at the maximum mass of the vehicle or, **in the case of a motor vehicle authorized to tow a trailer, at the maximum mass** of the vehicle combination **but not exceeding 44 tonnes.**
- If the maximum mass of a motor vehicle of category N<sub>3</sub> which is authorized to tow a trailer and which is not subject to ADR (see Annex 5) exceeds 26 tonnes, the test mass of this motor vehicle of category N<sub>3</sub> shall be 26 tonnes. In the case where the unladen mass of this motor vehicle of category N<sub>3</sub> exceeds 26 tonnes, this mass is to be taken into account by calculation.”**

### II. Justification

1. Test provisions have been shifted from the scope, paragraph 1.8.1. and below, to the section describing the test conditions, paragraph 1.8.2. and below.
  2. In part, the original text of the regulation could be interpreted differently with regard to the mass to be tested.
  3. The endurance brake, braking only the towing vehicle, but not acting on the trailer, must withstand the mass of the full vehicle combination in order to ensure traffic safety. The test therefore needs to cover the mass of the combination, not just the mass of the towing vehicle.
  4. To clarify that, the test mass of vehicles authorized to tow trailer(s) of O<sub>4</sub> shall be tested with the mass of the whole combination.
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