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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****110th session**

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Item 2(a) of the provisional agenda

Regulation No. 107 (General construction of buses and coaches) –**Proposals for further amendments****Proposal for amendment to Regulation No. 107
(General construction of buses and coaches)****Submitted by the expert from Belgium ***

The text reproduced below was prepared by the expert from Belgium to remove the additional safety prescriptions for trolleybuses from UN Regulation No. 107 and insert them into UN Regulation No. 100 on electric power trained vehicles. The intention of this proposal is to inform the Working Parties about the interpretation problem in the scope of these Regulations on electrical safety provisions for trolleybuses. It also aims at clarifying, how Type Approval Authorities, their Technical Services and manufacturers plan their future approval procedure for a new vehicle types.

* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, 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.

I. Proposal

Table of contents, list of Annexes, delete Annex 12.

Text of the Regulation,

Annex 1, Part 1, Appendices 1, 2 and 3, delete items 6. to 6.6.2.

Annex 1, Part 2,

Appendix 1, delete items 1.12. to 1.12.1.4.

Appendix 2, delete items 1.8. to 1.8.1.4.

Appendix 3, delete items 1.4. to 1.4.1.4.

Annex 3, delete paragraphs 7.16. and 7.16.1.

Annex 12, delete the whole Annex.

II. Justification

1. Historically, UN Regulation No. 36 was amended in 2002 to include a new annex on provisions for trolley buses (Supplement 7 to 03 series of amendments). At that time, the scope of UN Regulation No. 100 was limited to battery electric vehicle only. Subsequently, the annex on trolley buses was added to UN Regulation No. 107, but not yet with the 01 series of amendments when merging in 2003 of UN Regulations Nos. 36, 52 and 107, however, with 02 series of amendments in 2006. In 2015, Annex 12 was amended to align the additional safety prescriptions for electrical safety of trolleybuses with the corresponding electrical standards.

2. A trolleybus is a vehicle of category M2 or M3 and UN Regulation No. 107 applies to its general construction. A trolleybus is also an electric power trained vehicle, and therefore UN Regulation No. 100 is better suited for harbouring additional safety prescriptions on electrical safety of such vehicles as described in Annex 12.

3. Thus, Annex 12 on additional safety prescriptions for trolleybuses should be removed from UN Regulation No. 107 and transferred to UN Regulation No. 100. A corresponding proposal for amendments will be submitted as an official document to the Working Party on Passive Safety.

4. For the provisions of Annex 1 – Part 1 – Appendices 1, 2 and 3, where a list of characteristics of a trolleybus was added apart from the special environmental conditions, a reference will be inserted to Annex 6 – Part 1 and Annex 7 of UN Regulation No. 100.