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World Forum for Harmonization of Vehicle Regulations**Working Party on Automated/Autonomous and Connected Vehicles****Seventh session**

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Item 8 (c) of the provisional agenda

UN Regulations Nos. 13, 13-H, 139, 140 and UN GTR No. 8:**Clarifications****Proposal for a Supplement to the 01 series of amendments to
UN Regulation No. 13-H (Brakes of M₁ and N₁ vehicles)****Submitted by the expert from France***

This document was prepared by the expert from France. It is aimed at clarifying the provisions in Annex 3, para. 1.5.3.1., in case the batteries have been recharged or replaced with a charged set between the hot performance and recovery procedure, when the linings temperature is no longer at the temperature. It is based on GRVA-05-10, presented by the expert from France at the fifth session of Working Party on Automated/Autonomous and Connected Vehicles (GRVA). Modifications to the text of the Regulation are marked in bold for new text.

* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Annex 3, paragraph 1.5.3.1., amend to read:

- 1.5.3.1. Vehicles equipped with an electrical regenerative braking system of category B may have their batteries re-charged or replaced by a charged set. **In this case, further reconditioning of the linings shall be performed** in order to complete the recovery procedure.

II. Justification

Under the application of Annex 3, paragraph 1.5.3.1., in case the batteries have been recharged or replaced with a charged set between the hot performance and recovery procedures, the linings temperature may no longer be at the temperature prior to the recovery procedure. This proposal is aimed to clarify that, in this case, further reconditioning of the linings needs to be performed (i.e. a new warm-up procedure) in order to continue the recovery protocol in representative conditions, with the appropriate temperature.
