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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Automated/Autonomous and Connected Vehicles****Twenty-second session**

Geneva, 24 June 2025

Item 10 of the provisional agenda

UN Regulation No. 90 (Replacement braking parts)

**Proposal for supplements to the 01 and 02 series of
amendments to UN Regulation No. 90 (replacement brake
lining assemblies, drum brake linings and discs and drums
for power-driven vehicles and their trailers)**

**Submitted by the expert from the United Kingdom of Great Britain and
Northern Ireland***

The text reproduced below was prepared by the expert from the United Kingdom of Great Britain and Northern Ireland and aims to resolve issues presented at the 20th session of GRVA and described in informal document GRVA-20-30. In addition, it aims to resolve inconsistency between information required on the communication form of R90 compared to other UN Regulations. The modifications to the existing text of UN Regulation No. 90 are marked in **bold** for new characters and ~~striketrough~~ for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (Sect. 20), table 20.6), 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 IA, paragraph 1., amend to read:

1. ~~Applicant's~~ **If applicable**, name and address **of manufacturer's representative**
2. Manufacturer's name and address

Annex IA, insert new paragraph 8.3.:

"

8.3. Description of the burnishing procedure used during the type approval tests:

"

II. Justification

1. Market surveillance activities by United Kingdom of Great Britain and Northern Ireland and others have identified many compliance issues with replacement brake linings. Linings have been subjected to a bedding procedure that meets the specifications of UN Regulation No. 90, comply with the 'performance check', but subsequently do not meet all of the performance requirements of the regulation. Investigation has found that in some cases if the same linings are tested following a different bedding procedure (also within the specifications of UN Regulation No. 90), the performance requirements are fulfilled. The bedding procedure described in UN Regulation No. 90 has a lot of flexibility, leading to inconsistent test results.

2. The significant flexibility within the bedding procedure requirements leads to problems for market surveillance, because the relevant authority / technical service does not know the bedding procedure which was used for the type approval tests. A test failure due to insufficient bedding may also mask genuine conformity issues with the product.

3. This proposal requires the actual burnishing procedure used during type approval testing to be described on the communication form. This will ensure that relevant authorities have access to the necessary information to carry out independent market surveillance activities or Conformity of Production tests.

4. In addition, it has been identified that the terms used for the responsible entities on the UN Regulation No. 90 communication form ("applicant" and "manufacturer") differ from those used in most other UN regulations. This proposal aims to align the terms with those used in other UN Regulations, and in Schedule 3 of the 1958 Agreement ("manufacturer" and "manufacturer's representative").

- (a) 1958 Agreement, Schedule 3:

"1. Application for and conduct of UN type approval

1.1. An application for UN type approval shall be submitted to the approval authority of a Contracting Party by the manufacturer or their authorized representative (hereinafter referred to as the "applicant")."

- (b) UN Regulation No. 90:

"3.1. An application for approval of a replacement part for (a) specific vehicle type(s) shall be submitted by the manufacturer of the replacement part or his duly accredited representative."
