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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Pollution and Energy****Sixty-sixth session**

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Item 4(b) of the provisional agenda

UN Regulations Nos. 68 (measurement of the maximum speed, including electric vehicles), 83 (emissions of M₁ and N₁ vehicles), 101 (CO₂ emissions/fuel consumption) and 103 (replacement pollution control devices)**Proposal for Supplement 4 to the 00 series of amendments to Regulation No. 103 (replacement pollution control devices)****Submitted by the expert from the European Commission***

The text reproduced below was prepared by the expert from the European Commission to align the requirements of UN Regulation No. 103 with those of European Union Regulation (EC) Nos. 459/2012 and 630/2012.

The modifications to the original English text are marked using track changes. The same modifications in the French and Russian versions are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, 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

Footnote 1, amend to read:

¹ Annex 2 of Regulation No. 83, 06 series of amendments, shall be corrected consequently – paragraph ~~4.2.11.2.1.3.2.12.2.1.~~ of Annex 1 of Regulation No. 83, ~~0507~~ series of amendments."

Paragraph 2.5., amend to read:

"2.5. "Vehicle type"

See paragraph 2.31. of Regulation No. 83."

Paragraph 2.7., amend to read:

"2.7. "Deteriorated replacement pollution control device" means a pollution control device that has aged or has been artificially deteriorated to such an extent that it fulfils the requirements laid out in paragraph 1. of Appendix 1 to Annex 11 of Regulation No. 83."

Paragraph 5.2.4., amend to read:

"5.2.4. For pollution control devices intended to be fitted to vehicles type approved to the ~~0607~~ series of amendments to Regulation No. 83, the regulated pollutants referred to throughout paragraph 5.2.3. of this Regulation shall be understood to be all pollutants specified in paragraph 5.3.1.4. of the ~~06-07~~ series of amendments to Regulation No. 83."

Paragraph 5.4. and 5.4.1., amend to read:

"5.4. Requirements regarding durability

The replacement pollution control device shall comply with the requirements of paragraph 5.3.6. of Regulation No. 83, ~~i.e. type V test or deterioration factors from the following table for the results of the type I tests.~~

Engine Category	Deterioration factors				
	CO	HC ⁽⁺⁾	NO _x ⁽⁺⁾	HC+NO _x	Particulates
Positive ignition	1.2	1.2	1.2	1.2 ⁽²⁾	-
Compression ignition	1.1	-	1.0	1.0	1.2

~~⁽⁺⁾ Applicable only to vehicles approved according to the 05 series of amendments to Regulation No. 83.~~

~~⁽²⁾ Applicable only to positive ignition engines approved according to earlier than 05 series of amendments to Regulation No. 83.~~

5.4.1. For replacement pollution control devices intended to be fitted to vehicles type approved to the ~~0607~~ series of amendments to Regulation No. 83., the durability requirements and associated deterioration factors specified in paragraph 5.3.6. of the ~~0607~~ series of amendments to Regulation No. 83. shall be used."

Paragraphs 5.5.1. and 5.5.2., amend to read (including the reference to the footnote):

"5.5.1. The compatibility of the replacement pollution control device with the OBD system shall be demonstrated by using the procedures described in the 05, ~~06~~ or ~~0607~~³ series of amendments to Regulation No. 83, Annex 11, Appendix 1.

5.5.2. The provisions in the 05, **06** or ~~0607~~⁵³ series of amendments to Regulation No. 83, Annex 11, Appendix 1 applicable to components other than the pollution control device shall not be applied."

Paragraph 5.6.2.2., amend to read:

"5.6.2.2. Upon request of the applicant for the approval of the replacement component, the approval authority shall make available on a non-discriminatory basis, the information referred to in items 3.2.12.2.1.11.1. and 3.2.12.2.6.4.1. of the information document contained in Annex **H** to Regulation No. 83 for each vehicle tested."

II. Justification

1. The text aims to align the requirements of UN Regulation No. 103 with those of European Union Regulation (EC) Nos. 459/2012 and 630/2012.
