

Proposal for amendments to the 09 series of Amendments to UN Regulation No. 83 (Emissions of M1 and N1 vehicles)

This document proposes amendments to bring clarity to references and to correct copy paste mistakes related to in-vehicle battery durability. The amendments are based on the Working Document ECE/TRANS/WP.29/2026/25. The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraphs 2.47. and 2.48., amend to read:

- "2.47. "*Certified range*" ($\text{Range}_{\text{certified}}$) refers to the electric driving range that was determined during certification of the vehicle, according to Appendix ~~23~~ to Annex C1 of Regulation No. 154.04.
- 2.48. "*Measured range*" ($\text{Range}_{\text{measured}}$) means the electric range determined at the present point in the lifetime of the vehicle by the test procedure used for certification, according to Appendix ~~23~~ to Annex C1 of Regulation No. 154.04."

Annex 5, paragraph 4.1.1., amend to read:

- "4.1.1. Frequency of verifications
- ...
- If the number of vehicles in the sample is equal to or more than 500, then all vehicles shall be included in the sample. The data read shall be those of the SOCR and SOCE monitors (and other relevant data, such as those defined in Appendix ~~12~~ to Annex C1 of UN~~R~~ Regulation No. 154). SOCR monitors of vehicles of category N and SOCR monitors of category M vehicles shall be collected only for monitoring purposes as long as Table 2 of Annex C1 of UN~~R~~ Regulation No. 154 does not contain any MPR's for SOCR."

Annex 5, paragraph 4.2., amend to read:

- "4.2. ...
- If the number of vehicles in the sample is equal to or more than 500, then all vehicles shall be included in the sample. The data read shall be those of the SOCR and SOCE monitors (and other relevant data, such as those defined in Appendix ~~12~~ to Annex C1 of UN~~R~~ Regulation No. 154). SOCR monitors of vehicles of category N and SOCR monitors of category M vehicles shall be collected only for monitoring purposes as long as Table 2 of Annex C1 of UN~~R~~ Regulation No. 154 does not contain any MPR's for SOCR."

Annex 5, Table 4., second line, amend to read:

"

<i>Step 1</i>	<i>n.a.</i>	Read the initial virtual distance and the worst case certified energy consumption of Part B family according to Appendix 12 to Annex C1 of UNR Regulation No. 154 and the worst-case certified energy consumption of the considered Part B family as declared in	d _{virt,on-board,init} (km) EC _{Part B} (Wh/km)
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		paragraph 3.5.7.5.3. in Annex A1 of UN Regulation No. 154.	
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Annex 5, Table 4., fourth line, amend to read:

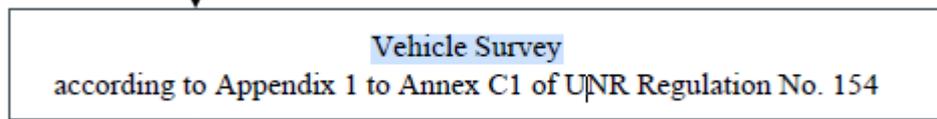
"

<i>Step 3</i>	<i>n.a.</i>	Read the final virtual distance according to Appendix 12 to Annex C1 of UNR Regulation No. 154	d _{virt,on-board,final} (km)
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Annex 5, Figure 1., amend the following textbox to read:

~~"Vehicle survey according to Appendix 1 to this Annex to Appendix 1 to Annex C1 of UNR Regulation No. 154"~~



II. Justification

1. Paragraphs 2.47. and 2.48.: In the meantime, Appendix 3 of Annex C1 of 4 Series of amendments to UN Regulation No.154 became Appendix 2 and therefore the reference was corrected.
2. Annex 5, paragraphs 4.1.2., 4.2. and fourth line of Table 4: In the meantime, Appendix 2 of Annex C1 of 4 Series of amendments to UN Regulation No.154 became Appendix 1 and therefore the reference was corrected.
3. Annex 5 – Table 4, second line: The “worst case certified energy consumption Part B family” was deleted from the data that needs to be reported according to Annex C1 – Appendix 1. Therefore, the reference to the information document of 4 Series of amendments to UN Regulation No.154 was added. In addition, in the meantime Appendix 2 of Annex C1 of 4 Series of amendments to UN Regulation No.154 became Appendix 1 and therefore the reference was corrected.
4. The vehicle survey itself was shifted to 9 Series of amendments to UN Regulation No. 83 and therefore the reference to the vehicle survey needs to be corrected.