

Proposal for amendments to working document GRPE/2024/8 of the GRPE 90th session regarding the 08 series of amendments to UN Regulation No. 83 (Emissions of M₁, M₂, N₁ and N₂ vehicles)

This document proposes some amendments to working document ECE/TRANS/WP.29/GRPE/2024/8 proposed by the experts of OICA. The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Option 1 – Include Footnotes:

Table A3/1 of Annex 3, amend to read:

Table A3/1

Letters with reference to emission standard, vehicle category and engine type

<i>Character</i>	<i>Emission standard</i>	<i>Vehicle category</i>	<i>Engine type</i>	<i>OBD</i>
EA	Euro 6e	M1, M2, N1, N2	PI, CI	OBD thresholds (see Table 4A in paragraph 6.8. of UN Regulation No. 154)
EB	Euro 6e-bis	M1, M2, N1, N2	PI, CI	
EC	Euro 6e-bis-FCM	M1, M2, N1, N2	PI, CI	

‘Euro 6e’ = Euro 6 requirements as described in paragraphs 12.2.1.(d) and (e);

‘Euro 6e-bis’ = Euro 6 requirements as described in paragraphs 12.2.2.(d) and (e) + AES Flag + utility factor based on d_{neb} (see Appendix 5 to Annex B8 to UN Regulation No. 154);

‘Euro 6e-bis-FCM’ = Euro 6 requirements as described in paragraphs 12.2.3.(d) and (e) + AES Flag + utility factor based on d_{nec} (see Appendix 5 to Annex B8 to UN Regulation No. 154). (1)

[(1) In case the value of d_{nec} changes following the review of 2024, a different character will be assigned to the vehicles types approved with the revised d_{nec} .]

Option 2 – Adapt Transitional Provisions; no Footnotes:

12. Transitional provisions

- 12.1. General provisions
- 12.1.1. As from the official date of entry into force of the 08 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the 08 series of amendments.
- 12.2. Type approvals
- 12.2.1. As from 1 September 2023, Contracting Parties applying this Regulation shall grant an approval to new types of vehicle only if they comply with:
- (a) The requirements for vehicles approved under the character EA as defined in Table A3/1, Annex 3 of this Regulation, as amended by the 08 series of amendments.
 - (b) The requirements stated in Part III of UN Regulation No. 24 (if applicable).
 - (c) The requirements of UN Regulation No. 85.
 - (d) The Level 1A requirements of the 02 series of amendment to UN Regulation No. 154 or the requirements of the 03 series of amendment to UN Regulation No. 154.
 - (e) The requirements of UN Regulation No. 168 on RDE.
- 12.2.2. As from 1 January 2025, Contracting Parties applying this Regulation shall grant an approval to new types of vehicle only if they comply with:
- (a) The requirements for vehicles approved under the character EB as defined in Table A3/1, Annex 3 **and the requirements for the AES indicator as defined in 3.4.2.** of this Regulation, as amended by the 08 series of amendments.
 - (b) The requirements stated in Part III of UN Regulation No. 24 (if applicable).
 - (c) The requirements of UN Regulation No. 85.
 - (d) The Level 1A requirements of Supplement 1, or later version, to the 02 series of amendment to UN Regulation No. 154 or the requirements of Supplement 1, or later version, to the 03 series of amendment to UN Regulation No. 154 **taking into account the utility factor based on d_{neb} determined in accordance with the values specified in Table A8.App5/1 of Appendix 5 to Annex B8 to UN Regulation No. 154.**
 - (e) The requirements of UN Regulation No. 168 on RDE.
- 12.2.3. As from 1 January 2027, Contracting Parties applying this Regulation shall grant an approval to new types of vehicle only if they comply with:
- (a) The requirements for vehicles approved under the character EC as defined in Table A3/1, Annex 3 **and the requirements for the AES indicator as defined in 3.4.2.** of this Regulation, as amended by the 08 series of amendments.
 - (b) The requirements stated in Part III of UN Regulation No. 24 (if applicable).
 - (c) The requirements of UN Regulation No. 85.

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- (d) The Level 1A requirements of Supplement 1, or later version, to the 02 series of amendment to UN Regulation No. 154 or the requirements of Supplement 1, or later version, to the 03 series of amendment to UN Regulation No. 154 **taking into account the utility factor based on d_{nec} determined in accordance with the values specified in Table A8.App5/1 of Appendix 5 to Annex B8 to UN Regulation No. 154.**⁽¹⁾
 - (e) The requirements of UN Regulation No. 168 on RDE.

[(1) In case the value of d_{nec} changes following the review of 2024, a different character will be assigned to the vehicles types approved with the revised d_{nec} .]

Option 3 – Adapt Table A3/1 and Transitional Provisions.

Table A3/1 of Annex 3, amend to read:

Table A3/1

Letters with reference to emission standard, vehicle category and engine type

Character	Emission standard	Vehicle category	Engine type	AES Flag ⁽¹⁾	OBD	Comply with...	
						UN Regulation No. 154:	Others:
EA	Euro 6e	M ₁ , M ₂ N ₁ , N ₂ ⁽³⁾	PI, CI	No	OBD thresholds ⁽²⁾	Level 1A requirements of the 02 series of amendments or 03 series of amendments taking into account the utility factor based on d_{nea} determined in accordance with the values specified in Table A8.App5/1 of Appendix 5 to Annex B8 to UN Regulation No. 154	(a) The requirements stated in Part III of UN Regulation No. 24 (if applicable) (b) The requirements of UN Regulation No. 85 (c) The requirements of UN Regulation No. 168 on RDE
EB	Euro 6e-bis			Yes		Level 1A requirements of the 02 series of amendments or 03 series of amendments taking into account the utility factor based on d_{neb} determined in accordance with the values specified in Table A8.App5/1 of Appendix 5 to Annex B8 to UN Regulation No. 154	
EC	Euro 6e-bis-FCM			Yes		Level 1A requirements of the 02 series of amendments or 03 series of amendments taking into account the utility factor based on d_{nec} determined in accordance with the values specified in Table A8.App5/1 of Appendix 5 to Annex B8 to UN Regulation No. 154⁽⁴⁾	

Key:

(1): AES Flag: See paragraph 3.4.2. of this Regulation, as amended by the 08 series of amendments.

(2): See Table 4A in paragraph 6.8. of UN Regulation No. 154.

(3): UN Regulation No. 168 on RDE is not applicable for vehicles of category N₂.

[(4): In case the value of d_{nec} changes following the review of 2024, a different character will be assigned to the vehicle types approved with the revised d_{nec} .]

12. Transitional provisions

- 12.1. General provisions
 - 12.1.1. As from the official date of entry into force of the 08 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the 08 series of amendments.
- 12.2. Type approvals
 - 12.2.1. **As from 1 September 2023, Contracting Parties applying this Regulation shall grant an approval to new types of vehicles only if they comply with the requirements for vehicles approved under the character EA as defined in Table A3/1, Annex 3 of this Regulation, as amended by the 08 series of amendments.**
 - 12.2.2. **As from 1 January 2025, Contracting Parties applying this Regulation shall grant an approval to new types of vehicles only if they comply with the requirements for vehicles approved under the character EB as defined in Table A3/1, Annex 3 of this Regulation, as amended by the 08 series of amendments.**
 - 12.2.3. **As from 1 January 2027, Contracting Parties applying this Regulation shall grant an approval to new types of vehicles only if they comply with the requirements for vehicles approved under the character EC as defined in Table A3/1, Annex 3 of this Regulation, as amended by the 08 series of amendments.**

II. Justification

1. The changes proposed to UN Regulation No. 83 as amended by the 08 series of amendments with this document aim to provide more clarity regarding the requirements connected to the different emissions characters EA, EB and EC,
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