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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

190th session

Geneva, 20-22 June 2023

Item 4.8.1 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRVA

Proposal for the 13 series of amendments to UN Regulation No. 13 (Heavy vehicle braking)

Submitted by the Working Party on Automated/Autonomous and Connected Vehicles*

The text reproduced below was adopted by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its fifteenth session (see ECE/TRANS/WP.29/GRVA/15, para. 108). It is based on ECE/TRANS/WP.29/GRVA/2023/2, as amended by GRVA-15-56. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their June 2023 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect.20), para 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.



Paragraph 4.2., amend to read:

"4.2. An approval number shall be assigned to each type approved, its first two digits (at present 13) shall indicate the series of amendments incorporating the most recent major technical amendments made to the Regulation at the time of issue of the approval. The same Contracting Party shall not assign the same number to the same vehicle type equipped with another type of braking system, or to another vehicle type."

Paragraph 5.2.1.32., amend to read (footnote 12 unchanged):

"5.2.1.32. Subject to the provisions of paragraph 12.3. of this Regulation, all vehicles of the following categories shall be equipped with a vehicle stability function:

- (a) M₂, M₃, N₂¹²;
- (b) N₃¹² having no more than 3 axles;
- (c) N₃¹² with 4 axles, with a maximum mass not exceeding 25t and a maximum wheel diameter code not exceeding 19.5;
- (d) N₃¹² with 4 axles, with two power-driven axles in the rear axle group and only non-driven axles in the other axle group(s), including off-road vehicles (regardless of footnote 12).

The vehicle stability function shall include roll-over control and directional control and meet the technical requirements of Annex 21 to this Regulation."

Insert new paragraphs 12.8. to 12.8.7., to read:

"12.8. Transitional provisions applicable to the 13 series of amendments

12.8.1. As from the official date of entry into force of the 13 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the 13 series of amendments.

12.8.2. As from 1 September 2026, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to the 12 series of amendments, first issued after 1 September 2026.

12.8.3. Until 1 September 2028, Contracting Parties applying this Regulation shall accept type approvals to the 12 series of amendments, first issued before 1 September 2026.

12.8.4. As from 1 September 2028, Contracting Parties applying this Regulation shall not be obliged to accept type approvals issued to the 12 series of amendments to this Regulation.

12.8.5. Notwithstanding paragraph 12.8.4., Contracting Parties applying this Regulation shall continue to accept type approvals issued according to the 12 series of amendments to this Regulation, for the vehicles that are not affected by the changes introduced by the 13 series of amendments.

12.8.6. Contracting Parties applying this Regulation may grant type approvals according to any preceding series of amendments to this Regulation.

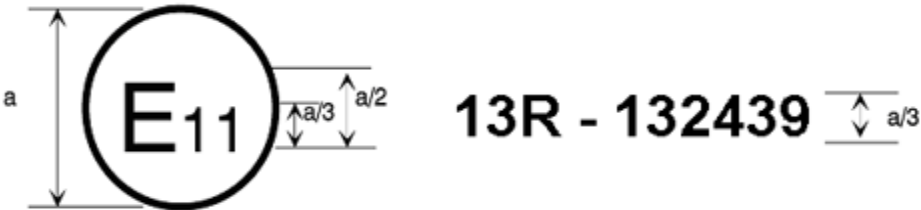
12.8.7. Contracting Parties applying this Regulation shall continue to grant extensions of existing approvals to any preceding series of amendments to this Regulation."

Annex 3, amend to read:

"Annex 3

Arrangements of approval marks

Model A
(See paragraph 4.4. of this Regulation)



a = 8 mm min.

The above approval mark affixed to a vehicle shows that the vehicle type concerned has, with regard to braking, been approved in the United Kingdom (E 11) pursuant to Regulation No. 13 under approval number 132439. This number indicates that the approval was given in accordance with the requirements of Regulation No. 13 with the 13 series of amendments incorporated. For vehicles of categories M₂ and M₃, this mark means that that type of vehicle has undergone the Type-II test.

Model B
(See paragraph 4.5. of this Regulation)

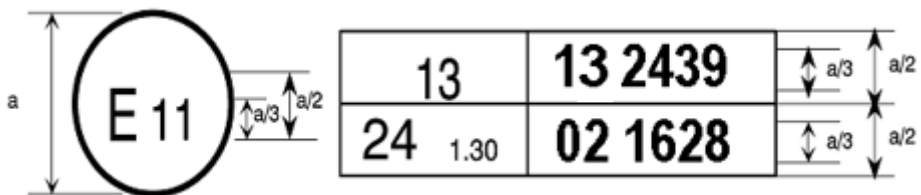


a = 8 mm min.

The above approval mark affixed to a vehicle shows that the vehicle type concerned has, with regard to braking, been approved in the United Kingdom (E 11) pursuant to Regulation No. 13. For vehicles of categories M₂ and M₃, this mark means that the type of vehicle has undergone the Type-IIA test.

Model C

(See paragraph 4.6. of this Regulation)



a = 8mm min.

The above approval mark affixed to a vehicle shows that the vehicle type concerned has been approved in the United Kingdom (E 11) pursuant to Regulations Nos. 13 and 24.¹ (In the case of the latter Regulation the corrected absorption coefficient is 1.30 m⁻¹.)"

¹ This number is given merely as an example.