



Economic and Social Council

Distr.: General
21 December 2023

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

192nd session

Geneva, 5-8 March 2024

Item 4.7.7 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRVA

Proposal for the 01 series of amendments to UN Regulation No. 130 (Lane Departure Warning System (LDWS))

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 seventeenth session (see ECE/TRANS/WP.29/GRVA/17, para. 91 and Annex III) and is based on ECE/TRANS/WP.29/GRVA/2023/25 as amended by Annex III of the session report. 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 March 2024 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2024 as outlined in proposed programme budget for 2024 (A/78/6 (Sect. 20), table 20.5), 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 vehicle type approved; its first two digits (e.g. “01” for the 01 series of amendments), shall”

Insert new paragraph 12., to read:

"12. Transitional provisions

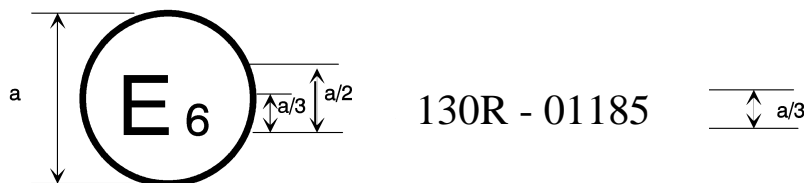
- 12.1. As from the official date of entry into force of the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the 01 series of amendments.
- 12.2. As from 1 September 2026, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to the preceding series of amendments, first issued on or after 1 September 2026.
- 12.3. Until 1 September 2028, Contracting Parties applying this Regulation shall accept type approvals to the preceding series of amendments, first issued before 1 September 2026.
- 12.4. As from 1 September 2028, Contracting Parties applying this Regulation shall not be obliged to accept type approvals issued to the preceding series of amendments to this Regulation."

Annex 2., amend to read:

"Annex 2

Arrangements of approval marks

(see paragraphs 4.4. to 4.4.2. of this Regulation)



$a = 8 \text{ mm min}$

The above approval mark affixed to a vehicle shows that the vehicle type concerned has been approved in Belgium (E 6) with regard to the LDWS pursuant to Regulation No. 130. The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of Regulation No. 130 as amended by the 01 series of amendments.”

Annex 3

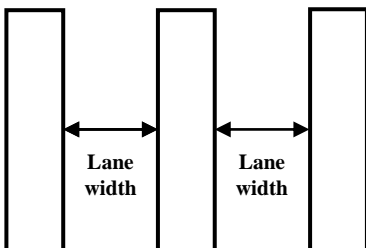
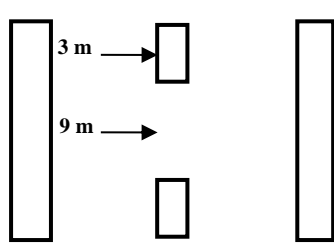


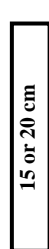
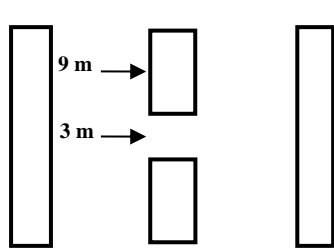

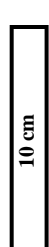
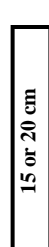
Table 1, amend to read:

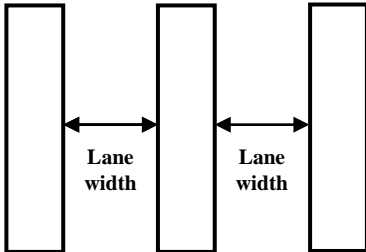
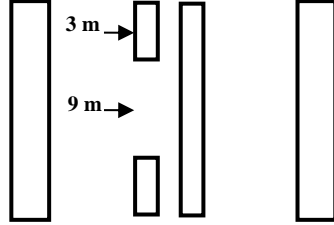
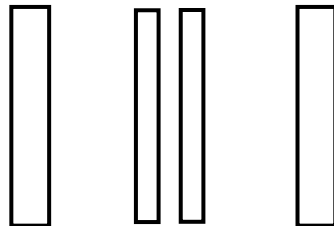
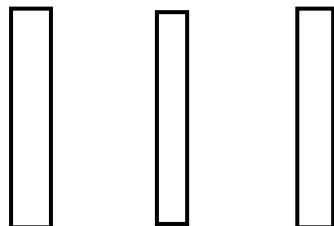
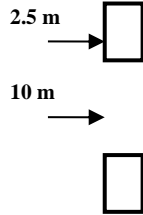
"Annex 3

Visible lane marking identification

1. For the purpose of the approval test referred to in paragraphs 6.2.3. and 6.5. of this Regulation, the test lane width shall be greater than 3.5 m.
2. The visible lane markings identified in Table 1 below are assumed to be white, unless otherwise indicated in this annex.
3. Table of identified visible lane markings to be used for approval test in accordance with paragraphs 6.2.3. and 6.5. of this Regulation.

Table 1

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
 <p>Undivided road with one lane each way</p>			AUSTRALIA Two-lane, two-way road			
 <p>Central dividing line on an undivided road with more than one lane each way</p>			AUSTRALIA Multi-lane undivided road			

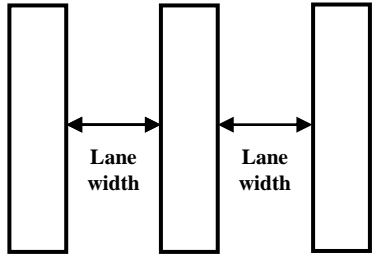
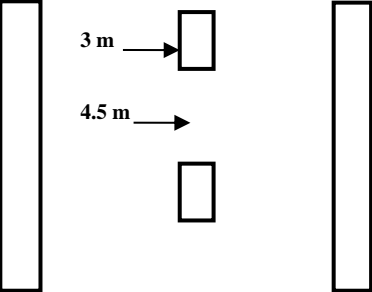
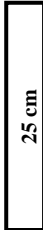

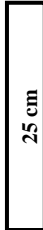
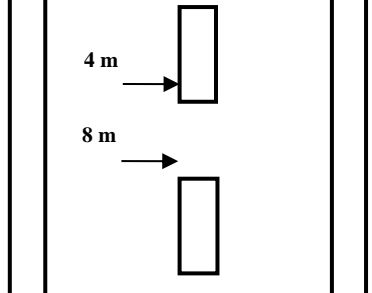
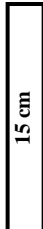

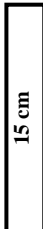
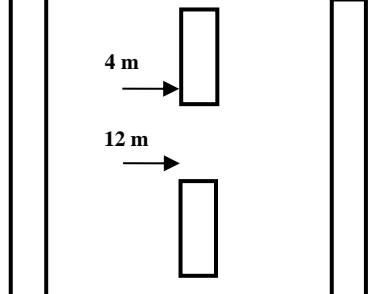


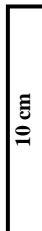
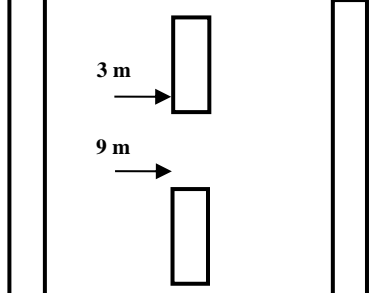



Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			AUSTRALIA Two-lane, two-way road with lane changing allowed from one direction only	15 or 20 cm	10 cm 10 cm 10 cm	15 or 20 cm
			AUSTRALIA Two-lane, two-way road with lane changing not allowed	15 or 20 cm	10 cm 10 cm 10 cm	15 or 20 cm
			AUSTRALIA Single barrier line	15 or 20 cm	10 cm	15 or 20 cm
			CANADA			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation	30 cm	20 cm	30 cm
			CANADA Traffic Flowing in Opposite Direction	20 cm	15-20 cm	20 cm
			CANADA Traffic flowing in same direction	20 cm	15-20 cm	20 cm
			CANADA Traffic flowing in opposite directions with lane changing prohibited	20 cm	10-15 cm 10-15 cm 10-15 cm	20 cm
			CANADA Traffic flowing in opposite directions with lane changing allowed only from one lane	20 cm	10-15 cm 10-15 cm 10-15 cm	20 cm

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			CANADA Continuity lines in merging and diverging areas			
White Lines			CANADA Guiding Lines			
			DENMARK			
			FINLAND			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			FRANCE Motorway ¹			
			FRANCE Highways (4 lanes or 2x2 lanes)			
			FRANCE (other roads)			
			GERMANY Secondary			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			GERMANY Motorway			
			GREECE			
			ITALY Secondary and Local			
			ITALY Motorway			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			ITALY Main			
			IRELAND			
			JAPAN			
			THE NETHERLANDS			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			NORWAY			
			PORTUGAL			
			RUSSIAN FEDERATION More than one line in each direction (Basic variant)			
			RUSSIAN FEDERATION More than one line in each direction (Variant 1 with a lane for reversing traffic)			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			RUSSIAN FEDERATION More than one line in each direction (Variant 2 with a lane for reversing traffic)			
			RUSSIAN FEDERATION One line in each direction (Variant 1)			
			RUSSIAN FEDERATION One line in each direction (Variant 2)			
			SPAIN			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			SWEDEN			
			SWITZERLAND			
			UNITED KINGDOM Motorway ¹			
			UNITED KINGDOM Dual Carriageway			

Pattern			Country	Width		
Left edge lane marking	Centre line	Right edge lane marking		Left edge lane marking	Centre line	Right edge lane marking
			Definition of lane width for the purpose of this Regulation			
			UNITED KINGDOM Single Carriageway (speed limit >40 mph)			

¹ Excepted certain zones (e.g.: slip road, lane for slow vehicles ...)

* Note:

For the traffic speed limit up to 60 km/h:

a = 1...3 m; b = 3...9 m; a:b = 1:3;

c = 3...6 m; d = 1...2 m; c:d = 3:1;

e = 1 m; f = 2 m; e:f = 1:2

For the traffic speed limit above 60 km/h:

a = 3...4 m; b = 9...12 m; a:b = 1:3;

c = 6...9 m; d = 2...3 m; c:d = 3:1;

e = 2 m; f = 4 m; e:f = 1:2”