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Item 11 of the provisional agenda

UN Regulation No. 125 (Forward Field of Vision of Drivers)

Proposal for the 02 series of amendments of UN Regulation No. 125

**Submitted by the expert from the International Organization of Motor
Vehicle Manufacturers***

The text reproduced below was prepared by the expert from the International Organization of Motor Vehicle Manufacturers (OICA) to introduce provisions for Field of Vision Assistant (FVA). It is based on informal Document GRSG-117-27. The modifications to the current text of the UN Regulations are marked **in bold**.

* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), 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.



02 series of amendments of UN Regulation No. 125

I. Proposal

After paragraph 2.18., insert new paragraphs 2.19. and 2.20.:

- "2.19. **Head Up Display (HUD): Visual information displayed in area "S" as defined in paragraph 5.1.3.4.**
- 2.20. **Field of Vision Assistant (FVA): Visual information displayed in the transparent field of vision other than by the HUD to support the awareness of the driver in specific driving situations."**

After paragraph 5.1.3.4.2., insert new paragraph 5.1.3.5.:

- "5.1.3.5. **The transparent field of vision as defined in paragraph 5.1.1. may be overlaid by information of a Field of Vision Assist. Such information shall be driving related only and limited to:**

- (a) **Warning/Highlight hazardous traffic situation**
- (b) **Warning/Highlight vulnerable road users or other road users which may be overseen**
- (c) **Information to maintain the distances to surrounding road users**
- (d) **Information to find and maintain the correct driveway**

Other information may be given after agreement between manufacturer and technical service/approval authority.

Examples of the above Warning/Highlights/Informations are given in Annex 5.

- 5.1.3.5.1. **The symbols and graphics shown by the FVA shall disappear when the driving related situation defined above does not exist anymore.**
- 5.1.3.5.2. **The FVA shall highlight the real view and shall not fully mask objects.**
- 5.1.3.5.3. **The driver shall be capable to adjust the light intensity of the FVA and he shall be capable to switch off the FVA system."**

Paragraph 12., amend to read:

12. Transitional provisions

- 12.1. As from the official date of entry into force of the **02** series of amendments, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by the **02** series of amendments.
- 12.2. As from 24 months after the date of entry into force of the **02** series of amendments to this Regulation, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type to be approved meets the requirements of this Regulation as amended by the **02** series of amendments.
- 12.3. Contracting Parties applying this Regulation shall not refuse to grant extensions of approvals for existing types which have been granted according to the preceding series of amendments of this Regulation.
- 12.4. Even after the entry into force of the **02** series of amendments to this Regulation, type approvals of the vehicles to the preceding series of amendments of this Regulation shall remain valid. Contracting Parties applying this Regulation shall continue to accept them.
- 12.5. Notwithstanding the transitional provisions above, Contracting Parties whose application of this Regulation comes into force after the date of entry into force

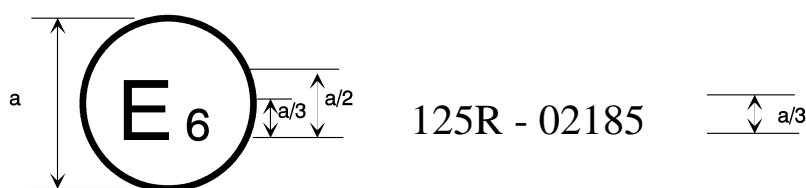
of the **02** series of amendments are not obliged to accept approvals which were granted in accordance with the preceding series of amendments of this Regulation."

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 driver's forward field of vision pursuant to UN Regulation No. 125. The first two digits of the approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 125 as amended by the **02** series of amendments."

After Annex 4, insert a new Annex 5:

"Annex 5

Field of View Assistant

Examples for Warning / Highlight / Information as specified in paragraph 5.3.5.1.:

	Examples
Warning/Highlight hazardous traffic	Abrupt braking situations Oncoming traffic in turning manoeuvres Vehicles leaving the lane or entering the own driving path
Warning/highlight vulnerable road users or other road users which may be overseen	Pedestrians Cyclist Crossing road users Road users in blind spot or road users covered by other objects Animals
Information to maintain the distances to surrounding road user and infrastructure	Distance to vehicle in front Lane keep assist
Information to find and maintain the correct driveway	Navigation Information