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Item 6 (a) of the provisional agenda

UN Regulation No. 79 (Steering equipment):

Automatically Commanded Steering Function

Proposal for amendments to UN Regulation No. 79 (Steering equipment)

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

This proposal was prepared by the experts from the International Organization of Motor Vehicle Manufacturers (OICA). It is based on informal document GRVA-07-17. The modifications of the existing Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2021 as outlined in proposed programme budget for 2021 (A/75/6 (Sect.20), para 20.51), 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.

I. Proposal

Paragraphs 5.6.1.2.1. and 5.6.1.2.2. (5.6.1.2. for reference only), amend to read:

- 5.6.1.2. Additional provisions for RCP
- 5.6.1.2.1. The parking manoeuvre shall be initiated by the driver but controlled by the system. A direct influence on steering angle, value of acceleration and deceleration via the remote-control device **or by the motion of the driver** shall not be possible.
- 5.6.1.2.2. **Either** a continuous actuation of the remote-control device by the driver **or alternatively (for systems based on detection of driver position and motion) a continuous motion of the driver in the same longitudinal direction**, is required during the parking manoeuvre.

Paragraph 5.6.1.2.3, amend to read:

- 5.6.1.2.3. **For systems based on continuous actuation of the remote-control device, the vehicle shall stop immediately if:**
- (a) The continuous actuation is interrupted; or
 - (b) The distance between vehicle and remote-control device exceeds the specified maximum RCP operating range (S_{RCPmax}); or
 - (c) The signal between remote control and vehicle is lost.
- ~~the vehicle shall stop immediately.~~
- For systems based on detection of driver position and motion, the vehicle shall stop immediately if**
- (a) **The continuous motion of the driver is interrupted; or**
 - (b) **The distance between vehicle and remote-control device exceeds the specified maximum RCP operating range (S_{RCPmax}); or**
 - (c) **The detection of the driver is lost.**

New paragraph 5.6.1.3.1.4., insert to read:

- 5.6.1.3.1.4. **For RCP systems based on detection of driver position and motion the manufacturer shall provide the technical authorities with an explanation how a person is identified as the driver and how this person is tracked.**

II. Justification

1. This proposal aims to allow an alternative to the continuous actuation of the remote-control device.
2. With this proposal the continued movement of the driver is introduced as an alternative means to support driver attentiveness.
3. This alternative possibility requires driver engagement and supports the driver to focus on the area around the vehicle.
4. Informal document GRVA-05-47 provides background additional information.