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World Forum for Harmonization of Vehicle Regulations

Working Party on Automated/Autonomous and Connected Vehicles

Ninth session

Item 6 (a) of the provisional agenda

UN Regulation No. 79 (Steering equipment):

Automatically Commanded Steering Function

Proposal for a supplement to the 03 series of amendments to UN Regulation No. 79 (Steering equipment)

**Submitted by the experts from the International Organization of Motor
Vehicle Manufacturers and the European Association of Automotive
Suppliers ***

The text below was prepared by the experts from the International Organization of Motor Vehicle Manufacturers (OICA) and the European Association of Automotive Suppliers (CLEPA). It is based on informal document GRVA-07-29. 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

Paragraph 5.6.2.2.3., amend to read:

5.6.2.2.3. When the system reaches its boundary conditions set out in paragraph 5.6.2.3.1.1. of this Regulation (e.g. the specified maximum lateral acceleration $a_{y_{\text{max}}}$) and both in the absence of any driver input to the steering control and when any front tyre of the vehicle starts to cross the lane marking, the system shall continue to provide assistance **to the extent possible as outlined in the safety concept of the vehicle manufacturer** and shall clearly inform the driver about this system status by an optical warning signal and additionally by an acoustic or haptic warning signal.

For vehicles ... UN Regulation No. 130.

II. Justification

The intention of the proposed amendment is to clarify the existing text on continued support of an Automatically Commanded Steering Function of Category B1, if the boundary conditions are exceeded. It shall be clarified that under certain circumstances, e.g. if there are no lane markings present, or if the vehicle has already drifted substantially out of the lane, the lane may no longer be recognized, a continuation of support may no longer be possible or reasonable.
