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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**189th session**

Geneva, 7-9 March 2023

Item 4.7.9 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing**

**UN Regulations submitted by GRVA**

 Proposal for a Supplement 1 to the 01 series of amendments to UN Regulation No. 157 (Automated Lane Keeping System)

 Submitted by the Working Party on Automated/Autonomous and Connected Vehicles[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its fourteenth session (see ECE/TRANS/WP.29/GRVA/14, para. 36). It is based on ECE/TRANS/WP.29/GRVA/2022/16, amended by GRVA-14-43. 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 2023 sessions.

*Paragraph 2.27.,* amend to read:

"2.27. An *'aborted lane change manoeuvre'* is an LCM which is not completed and results in the vehicle returning to its original lane of travel."

*Paragraph 8.2.1.,* amend to read:

"…..

(k) Severe vehicle failure;

(l) Start of Lane Change Procedure;

(m) End of Lane Change Procedure;

(n) Abortion of Lane Change Manoeuvre;

(o) Start of intentional lane crossing (5.2.1.1. (d));

(p) End of intentional lane crossing (5.2.1.1. (d))."

*Paragraph 8.2.2.,* amend to read:

"8.2.2. Occurrences flags for paragraph 8.2.1 (l) and (o) are only required to be stored if they happen either within 30 seconds before the following occurrences:

(a) Start of Emergency Manoeuvre;

(b) Involved in a detected collision;

(c) Abortion of Lane Change Manoeuvre;

(d) EDR trigger input,

or within 5 seconds before a system override."

*Paragraph 8.2.3.,* amend to read:

"8.2.3. Occurrences flags for paragraph 8.2.1. (m) and (p) are only required to be stored if they happen within 30 seconds before the following occurrences:

(a) Start of Emergency Manoeuvre;

(b) Involved in a detected collision; or

(c) EDR trigger input."

1. \* 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. [↑](#footnote-ref-2)