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World Forum for Harmonization of Vehicle Regulations

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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*

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.

* 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.



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."
