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World Forum for Harmonization of Vehicle Regulations

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Item 4.8.2 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSG

Proposal for Supplement 3 to the original version of UN Regulation No. 158 (Reversing motion)

Submitted by the Working Party on General Safety Provisions*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 126th session (ECE/TRANS/WP.29/GRSG/105, para. 10). It is based on ECE/TRANS/WP.29/GRSG/2023/20, not amended. 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 2024 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2024 as outlined in proposed programme budget for 2024 (A/78/6 (Sect. 20), table 20.5), 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 16.1.1.3., amend to read:

"16.1.1.3. Deactivation

The rear-view image shall remain visible during the backing event until either, the driver modifies the view, or the vehicle direction selector is no longer in the reverse position, or the backing event is finished.

Modifying the view means to switch to any other camera views.

The view may be manually switched off when the vehicle is not moving rearward.

The system may be switched off when the vehicle detects a coupling by means of a coupling device. In that case the monitor may be used to display other views (e.g. view of a rear-mounted camera on a trailer)."

Paragraph 16.1.1.4., amend to read:

"16.1.1.4. Temporarily modified

To enable an improved view while maneuvering (e.g. when there is a risk of collision, or when the vehicle is not reversing straight), it shall be permitted to temporarily change the view, in such a way that the requirements laid down in paragraphs 16.1. (default view) and 16.1.1. (object size) are not fulfilled during this temporarily modified view.

It shall be demonstrated, to the satisfaction of the Technical Service and Type Approval Authority, that this change of view increases the safety."

Paragraph 16.1.3.1., amend to read:

"16.1.3.1. The regulated field of vision displayed on the monitor shall be visible without any obstruction from the ocular reference point. Virtual testing is acceptable.

In case of temporary obstruction, the driver shall be able to see the close proximity rear view field of vision under the conditions defined in Annex 9 paragraph 1.3.3.5."

Annex 9, insert new paragraph 1.3.3.5., to read:

"1.3.3.5. The close proximity rear view field of vision in case of monitor located behind a temporary obstacle (e.g. a steering wheel spoke):

The close proximity rear view field of vision shall be visible to the driver in all normal reversing motion conditions when the driver is restrained by the installed crash protection system, adjusted in accordance with the manufacturer's instructions, and is free to move within constraints of that system (e.g. head movement), and considering ambinocular vision from the driver's ocular points.

Virtual testing is acceptable."
