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World Forum for Harmonization of Vehicle Regulations

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Item 4.11.2 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSP

Proposal for Supplement 5 to the 03 Series of Amendments to UN Regulation No. 100 (Electric Power Trained Vehicles)

Submitted by the Working Party on Passive Safety*

The text reproduced below was adopted by the Working Party on Passive Safety (GRSP) at its seventy-sixth session (ECE/TRANS/WP.29/GRSP/76). It is based on ECE/TRANS/WP.29/GRSP/2024/22, as amended by GRSP-76-09. 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 2025 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2025 as outlined in proposed programme budget for 2025 (A/79/6 (Sect. 20), table 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.



Insert new paragraph 2.56., to read:

- "2.56. "Common space" means an area on which two or more information functions (e.g. symbol) may be displayed but not simultaneously."

Insert new paragraphs 3.4. to 3.5., to read:

- "3.4. In cases where information is shown to be covered by intellectual property rights or to constitute specific know-how of the manufacturer or of their suppliers, the manufacturer or their suppliers shall make available sufficient information to enable the checks referred to in this Regulation to be made properly. Such information shall be treated on a confidential basis.
- 3.5. Documentation shall be made available in two parts:
- (a) The formal documentation package for the approval, containing the material specified in Annex 1, Appendix 1 or Appendix 2 which shall be supplied to the Approval Authority or its Technical Service at the time of submission of the type approval application. This documentation package shall be used by the Approval Authority or its Technical Service as the basic reference for the approval process. The Approval Authority or its Technical Service shall ensure that this documentation package remains available for at least 10 years counted from the time when production of the vehicle/REESS type is definitively discontinued.
 - (b) Additional material relevant to the requirements of this Regulation may be retained by the manufacturer, but shall be made open for inspection at the time of type approval. The manufacturer shall ensure that any material made open for inspection at the time of type approval remains available for at least a period of 10 years counted from the time when production of the vehicle/REESS type is definitively discontinued."

Paragraph 6.4.2.3., amend to read:

- "6.4.2.3. Acceptance criteria
- During the test there shall be no evidence of:
- (a) Fire;
 - (b) Explosion;
 - (c1) Electrolyte leakage if tested according to paragraph 6.4.2.1.1.:
 - (i) In case of ...
 - (c2) Electrolyte leakage if tested according to paragraph 6.4.2.1.2. or paragraph 6.4.2.2.
- For a high voltage REESS, the ..."

Paragraph 6.5., amend to read:

- "6.5. Fire resistance
- This test is required for REESS containing flammable electrolyte.
- This test is not required when the REESS as installed in the vehicle, is mounted such that the lowest surface of the casing of the REESS is more than 1.5m above the ground. At the request of the manufacturer, this test may be performed when the lowest surface of the casing of the REESS is higher than ..."

Paragraph 6.15.1., amend to read:

- "6.15.1. The REESS or vehicle system shall provide a signal to activate the advance warning indication in the vehicle:
- (a) to allow egress; or

(b) 5 minutes

prior to the presence of a hazardous situation inside the passenger compartment caused by thermal propagation which is triggered by an internal short circuit leading to a single cell thermal runaway such as fire, explosion or smoke. This requirement is deemed to be satisfied if the thermal propagation does not lead to a hazardous situation for the vehicle occupants. REESS or vehicle manufacturer shall make available, at the request of the Technical Service with its necessity, the following documentation explaining safety performance of the system level or sub-system level of the vehicle:

If the manufacturer chooses to apply the condition (a) above, the manufacturer shall provide the justification for the duration required for the egress. The Communication for Type Approval granted shall contain the remarks if the condition (a) above is applied to that approval."

Annex 1 – Part 1, amend to read:

"Communication

...

18. Remarks:"

Annex 1 – Part 2, amend to read:

"Communication

...

18. Remarks:"
