



# Economic and Social Council

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## Economic Commission for Europe

### Inland Transport Committee

### World Forum for Harmonization of Vehicle Regulations

#### 187th session

Geneva, 21-24 June 2022

Item 4.6.4 of the provisional agenda

#### 1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRSP

## **Proposal for Supplement 4 to the 01 series of amendments to UN Regulation No. 137 (Frontal impact with focus on restraint systems)**

### **Submitted by the Working Party on Passive Safety \***

The text reproduced below was adopted by the Working Party on Passive Safety Provisions (GRSP) at its seventieth session (ECE/TRANS/WP.29/GRSP/70, para.26). It is based on ECE/TRANS/WP.29/GRSP/2021/23 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 June 2022 sessions.

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\* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (part V sect. 20) para 20.76), 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.



*Annex 3, paragraph 1.4.3.11.3., amend to read:*

"1.4.3.11.3. Position of the front seat-backs  
If adjustable, ... of Annex 5, paragraph 3.1.2."

*Annex 5, paragraph 3.13., amend to read:*

"3.1. Head  
The transverse instrumentation platform of the head shall be horizontal within 2.5°."

*Insert new paragraphs 3.1.1. and 3.1.2., to read:*

- "3.1.1. To level the head of the test dummy in vehicles with upright seats with non-adjustable backs, the following sequences shall be followed. First adjust the position of the "H 5<sup>th</sup>" point within the limits set forth in paragraph 3.4.3.1. below to level the transverse instrumentation platform of the head of the test dummy. If the transverse instrumentation platform of the head is still not level, then adjust the pelvic angle of the test dummy within the limits provided in paragraph 3.4.3.2. below. If the transverse instrumentation platform of the head is still not level, then adjust the neck bracket of the test dummy to the minimum amount necessary to ensure that the transverse instrumentation platform of the head is horizontal within 2.5°.
- 3.1.2. To level the head of the test dummy in vehicles with adjustable backs, the following sequences shall be followed. First adjust the position of the "H 5<sup>th</sup>" point within the limits set forth in paragraph 3.4.3.1. below to level the transverse instrumentation platform of the head of the test dummy. If the transverse instrumentation platform of the head is still not level, then adjust the pelvic angle of the test dummy within the limits provided in paragraph 3.4.3.2. below. If the transverse instrumentation platform of the head is still not level, then adjust the neck bracket of the test dummy to the minimum amount necessary to ensure that the transverse instrumentation platform of the head is horizontal within 2.5°. If the transverse instrumentation platform of the head is still not level, then adjust the seat back to a different angle at a minimum amount necessary to ensure that the transverse instrumentation platform of the head is horizontal within 2.5°."
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