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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****192nd session**

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Item 4.8.3 of the provisional agenda

1958 Agreement:**Consideration of draft amendments to existing****UN Regulations submitted by GRSG****Proposal for Supplement 1 to the original version of UN
Regulation No. 167 (Vulnerable Road Users Direct Vision)****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/2023/21, as amended by annex IV to the report. 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.



Insert new paragraph 2.30., to read:

"2.30. "Inter A-pillar distance (IAPD)" means the horizontal distance between the A-pillars, measured in the y-axis of the vehicle in a horizontal plane passing through the E-points, or the mean of the same measurement taken in two horizontal planes at heights equidistant from the E-point plane, one above and one below the plane containing the E-point. The selection shall be agreed between the manufacturer and the technical service and approved by type approval authority as the one best characterising the width of the front windscreen between the A-pillars at heights relevant to direct vision."

Insert new paragraph 5.2.2.2., to read:

"5.2.2.2. High capacity vehicles and vehicles with competing objectives
 N₃ vehicles in Level 3 meeting the design and construction criteria as follows:
 (a) equipped with a coupling device, and;
 (b) having 3 axles or more, and;
 (c) with a maximum engine power of 320 kW or more, and;
 (d) designed with a permissible maximum gross combination weight (GCW) mass exceeding 60 tons,
 do not need to meet the required Front Visible Volume."

Paragraph 5.2.2.1., Table 1, amend to read:

"Table 1
Minimum Values of Visible Volume

		Minimum Volume (m ³) of Direct Vision			
		Level 1		Level 2	Level 3
Nearside Visible Volume		3.4		Not Specified	Not Specified
Front Visible Volume	IAPD ≥ 2156mm	1.8	IAPD ≥ 2154mm	1.0	1.0
	IAPD < 2156mm	See paragraph 5.3	IAPD < 2154mm	See paragraph 5.3	See paragraph 5.3
Offside Visible Volume		2.8		Not Specified	Not Specified
Total Visible Volume		11.2		8.0	7.0

"

Paragraphs 5.3. to 5.3.3., amend to read:

"5.3. Where the inter- A-pillar distance is less than IAPD as defined in Table 1, the limit value for the Front Visible Volume (V, measured in mm³) shall be determined for the applicable level by the formulae as defined in paragraphs 5.3.1 to 5.3.3 below.

5.3.1. Level 1:
 $V = 392.13379 * IAPD^2 - 275907.57455 * IAPD + 573475207.82932$

5.3.2. Level 2:
 $V = 329.82551 * IAPD^2 - 480212.23549 * IAPD + 504819967.89481$

5.3.3. Level 3:
 $V = 329.82551 * IAPD^2 - 480212.23549 * IAPD + 504819967.89481$ "

Annex 5, Paragraph 2.1.2., amend to read:

"2.1.2. Vehicles of category M₂ and N₂, derived from M₁ or N₁ approved to UN Regulation No. 125, shall be considered compliant with the requirements of this Regulation."
