

Proposal for the Amendment of UN Regulation No. 167 Vulnerable Road Users Direct Vision

Insert Paragraph 2.9.4., into ECE/TRANS/WP.29/GRSG/2024/6 to replace existing Paragraph 2.9.4.

"2.9.4. "Subsection Frontal Visible Volume (SFVV)" is defined as a portion of the assessment volume that includes the volume directly in front of the vehicle, between the offside and nearside planes."

Table 1, amend to read:

**"Table 1
 Minimum Values of Visible Volume**

		<i>Minimum Volume (m³) of Direct Vision</i>			
		Level 1		Level 2	Level 3
Nearside Visible Volume		3.4		Not Specified	Not Specified
Front Visible Volume	IAPD ≥ [2156m m]	1.8	IAPD ≥ [2154m m]	1.0	1.0
	IAPD < [2156m m]	See paragraph 5.3	IAPD < [2154m m]	See paragraph 5.3	See paragraph 5.3
Subsection Frontal Visible Volume		0.474 See Paragraph 5.4		0.163 See Paragraph 5.4	0.163 See Paragraph 5.4
Offside Visible Volume		2.8		Not Specified	Not Specified
Total Visible Volume		11.2		8.0	7.0

“

Insert paragraph 5.2.2.2., into ECE/TRANS/WP.29/GRSG/2024/6:

- "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 **and Subsection Frontal Visible Volume.**"

Insert new paragraph 5.4., into ECE/TRANS/WP.29/GRSG/2024/6

- “5.4 The IAPD shall be measured and the frontal volume calculated using the appropriate IAPD equation for the vehicle level being assessed:**
- 5.4.1 For Level 1 vehicles the SFVV is 26.1% of the result calculated; and**
5.4.2 For Level 2 and 3 vehicles the SFVV is 16.3% of the result calculated.”

Insert new paragraphs 12 to 12.5., into ECE/TRANS/WP.29/GRSG/2024/6 to replace paragraphs 12 to 12.5 to read:

- “12. Transitional Provisions**
- 12.1. As from the official date of entry into force of the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type-approvals under this Regulation as amended by the 01 series of amendments.**
- 12.2. As from 1 September 2031, Contracting Parties applying this Regulation shall not be obliged to accept type-approvals to the preceding series of amendments, first issued after 1 September 2031.**
- 12.3. Until 1 September 2032, Contracting Parties applying this Regulation shall accept type-approvals to the preceding series of amendments, first issued before 1 September 2031.**
- 12.4. As from 1 September 2032, Contracting Parties applying this Regulation shall not be obliged to accept type-approvals issued to the preceding series of amendments to this Regulation.”**
- 12.5. Notwithstanding paragraphs 12.2. and 12.4., Contracting Parties applying this Regulation shall continue to accept type approvals issued according to the original version of this Regulation, for vehicles which are not affected by the changes introduced by the 01 Series of amendments.”**

Justification

Document ECE/TRANS/WP.29/GRSG/2024/6 has been amended as follows:

- Paragraph 5.2.2.2. (d) has been amended to provide clarity that high capacity vehicles and vehicles with competing objectives do not have to meet the requirement for the Subsection Frontal Visible Volume.
- A new paragraph 5.4 has been inserted, referenced in Table 1, to describe how the SFVV should be calculated to take account of the reduced volume for vehicles with narrower cab designs.
- The Transitional Provisions have been subject to further review and correction. The transitional provisions shown in this informal document replace those that were included in ECE/TRANS/WP.29/GRSG/2024/6.