

# Front and Lateral Close Proximity

## Proposals for text change

GRSG-VRU-Proxi  
Nov 2021

| Paragraph | GRSG-122-16 FLCF<br>→ revision 1  | Comments   | OICA proposals  |
|-----------|---|--|---|
| 2         | Definitions   | Matter of rewordings: definitions need clarification for vision, view, visibility. Audible warning to be aligned with ADAS reg. as “acoustic”.   | See commented full text.<br>“Audible” also in R158 (selfstanding reg. tbc), to be changed.  |
| 6         | Requirements  | "6. Requirements" section is a copy of UN-R158 or R46. The mirror of this regulation is not UN-R46 mirrors. So this requirements should be newly defined. Also need additional requirements for FLVC or Detection and Warning Systems (as per R158).<br><br>6.1.1.1 revision: not sure this clarifies the intent (seems redundant with 15.4.1.4.): a mirror shall be adjustable.   | Add:<br><b>6.2. Close-proximity front and lateral side view camera system</b><br>=> e.g. from R158, 6.2.1.1.<br><b>6.3. Close-proximity front and lateral side detection system</b><br><br>Back to original?  |
| 12        | Definitions   | 12.2 referring to Figure 2 (no Fig.1 in main text)<br><br>12.3 « Type of vehicle as regards to the driver’s awareness of vulnerable road users <b>behind</b> vehicles" means motor vehicles which are identical in respect of the following basic features: »  | Review <u>all Figures'</u> references (core text as annexes) and effective use (e.g figure 3 or 4 not used in §15.2)<br><br>This regulation addresses front and lateral collision risk.   |
| 15        | Requirements  | 12.1 Ocular points definition is difficult to understand. Need to be revised "15 Requirements" and "Annex 10".<br><br>15.2.1 « When tested under the conditions defined in Annex 9 the requirement any part of the test object, a diameter of 0.3m and height of 1.0m, that is in contact with the vehicle’s front and lateral side from <b>at</b> the centre of passenger side mirror to driver’s side mirror shall be seen for close-proximity front and lateral side view field of vision » ; <i>as per Annex9 =&gt; quid of CMS equipped vehicles?</i> | Need for discussion: should not use both binocular and ambinocular.<br><br>15.2.1 proposal for a new wording/structure (Annex9 also simplified)<br><br><b>For a CMS equipped vehicle, the manufacturer shall consider the same vehicle equipped with mirrors.</b> |
| 16, 17    | Requirements for front and lateral side view camera or detection system | 15.1, 16.1, 17.1: activation and deactivation conditions to be clarified → 11/2021 revised 15.2.3.1. requirement means activation / deactivation on driver's request " <b>when the gear in the out of parking or neutral range</b> ", ie. <b>when motion is engaged</b>  | 15.2.34 To be moved to section 15.1 as addressing both vision and detection systems?<br>15.2.34.1. Need further discussion.<br>Rename 16.3. <b>deactivation view adjustment</b>   |

Annexes

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| 9 | Test methods for Close-proximity front and lateral side field of vision | Mirrors and direct vision should not apply 1.3.1 illuminance and 1.3.2 temperature should be out of scope. These are for camera system only. Same as R46.<br><br>As UN-R158 amendment, We want to allow to examine it on illumination conditions less than 7000lx. | Need for discussion.<br><br>As UN-R158 amendment with IWG agreement, it shall be allowed to examine it on illumination conditions less than 7000lx. |
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