**SLR-71-10/Rev.1**

Proposal for amendments to UN Regulation No. 74

# **Proposal**

Paragraph 2.1. and its sub-paragraphs, shall be deleted.

Paragraph 2.2. (former), renumber as 2.1.

Paragraph 2.3. to 2.3.5., shall be deleted.

Paragraph 2.3.6. (former), renumber as 2.2.

Paragraph 2.3.7. and 2.3.8., shall be deleted.

Paragraph 2.3.9. (former), renumber as 2.3.

Paragraph 2.4. (former), shall be deleted.

*Paragraph 2.5. (former)* and *its sub-paragraphs,* renumber as 2.4.

*Paragraph 2.5.* and *its sub-paragraphs (former),* amend to read:

“2.4. "*Illuminating surface”***(see Annex 3 of UN Regulation No. 48);**

2.4.1. "*Illuminating surface of a lighting device*" (driving beam headlamp, passing beam headlamp, front fog lamp) means the orthogonal projection of the full aperture of the reflector, or in the case of headlamps with an ellipsoidal reflector of the "projection lens", on a transverse plane. If the lighting device has no reflector, the definition of "illuminating surface of a light-signalling device other than a retro-reflector" **[of Regulation No. 48]** shall be applied. If the light emitting surface of the lamp extends over part only of the full aperture of the reflector, then the projection of that part only is taken into account. In the case of a passing beam headlamp, the illuminating surface is limited by the apparent trace of the cut-off on to the lens. If the reflector and lens are adjustable relative to one another, the mean adjustment should be used.”

Paragraph 2.5.2. and 2.5.3., shall be deleted.

Paragraph 2.6. and 2.7. and 2.8., shall be deleted.

Paragraph 2.9. (former), renumber as 2.5.

Paragraph 2.9. (former), amend to read:

“2.5. *"Extreme outer edge"* on either side of the vehicle means the plane parallel to the median longitudinal plane of the vehicle and **touching the lateral extremity of the vehicle, disregarding the projection or projections:**”

Add new sub-paragraphs 2.5.1., 2.5.2. and 2.5.3.:

“**2.5.1. Of rear-view mirrors,**

**2.5.2. Of direction indicator lamps,**

**2.5.3. Of front and rear position lamps and retro-reflectors;**”

Paragraph 2.10. (former), renumber as 2.6.

Paragraph 2.10. (former), amend to read:

“2.6. "*Over-all width*" means the distance between the two vertical planes as per the definition of "*extreme outer edge*" of this Regulation;”

Paragraph 2.11. and 2.12., shall be deleted.

Paragraph 3.2.1., for “paragraphs 2.1.1. and 2.1.2. above” read “paragraph 2.2.1. in UN Regulation No. 48”.

Paragraph 3.2.4., for “2.5.1.” read “2.4.”, and for “paragraph 2.4.” read “UN Regulation No.48”, and for “paragraph 2.7.” read “UN Regulation No. 48”.

Paragraph 3.2.5., for “paragraph 2.6.” read “paragraph 2.10.4. in UN Regulation No. 48”.

Add new paragraph 5.21. and its sub-paragraphs 5.21.1., 5.21.2., 5.21.3., 5.21.4.:

**“5.21. General provisions relating to geometric visibility**

**5.21.1. There shall be no obstacle on the inside of the angles of geometric visibility to the propagation of light from any part of the apparent surface of the lamp observed from infinity. However, no account is taken of obstacles, if they were already presented when the lamp was type-approved.**

**5.21.2. If measurements are taken closer to the lamp, the direction of observation must be shifted parallel to achieve the same accuracy.**

**5.21.3. If, when the lamp is installed, any part of the apparent surface of the lamp is hidden by any further parts of the vehicle, proof shall be furnished that the part of the lamp not hidden by obstacles still conforms to the photometric values prescribed for the approval of the device.**

**5.21.4. When the vertical angle of geometric visibility below the horizontal may be reduced to 5 degrees (lamp at less than 750 mm above the ground) the photometric field of measurements of the installed optical unit may be reduced to 5 degrees below the horizontal.”**

Paragraph 6.2.4. for “paragraph 2.8.” read “UN Regulation No.48”.

Annex 5 (former) paragraph 1.2.1., for “paragraph 2.8. of this Regulation” read “paragraph 2.10.7. of UN Regulation No.48”.

# **Justification**

1. Following previous SLR discussions, IMMA, as the HWT-R74 leader, has prepared this concrete proposal to simplify the definitions of UN Regulation No. 74, reflecting the endorsed simplifications outlined in document SLR-70-13. The aim is to further harmonize these definitions with those in UN Regulation No. 48, incorporating the necessary adaptations to vehicles of category L1, as agreed by SLR.

This proposal also contains editorial improvements to the definitions in R74 to align their wording with the corresponding definitions in R53, along with corrections to numbering references.