

Proposal for amendments to the draft new UN Regulation on uniform provisions concerning the approval of motor vehicles with regard to the Blind Spot Information System for the Detection of Bicycles

(Amendments to ECE/TRANS/WP.29/GRSG/2018/24)

The text reproduced below was prepared by the expert from the European Association of Automotive Suppliers (CLEPA) introducing an amendment to the proposal for a new UN Regulation on Blind Spot Information Systems (BSIS) intended to be fitted to heavy goods vehicles to protect vulnerable road users (ECE/TRANS/WP.29/GRSG/2018/24). The modifications to the existing text are marked in bold for new and strikethrough for deleted characters.

I. Proposal

Paragraph 5.3.1.3., amend to read:

"5.3.1.3. The BSIS shall at least operate for all forward vehicle speeds from standstill to 30 km/h, ~~for ambient light conditions above [1,000] Lux.~~"

Paragraph 5.3.1.6., amend to read:

"5.3.1.6. The BSIS shall automatically deactivate if it cannot operate properly due to its sensing devices being contaminated by ice, snow, mud, dirt or similar material ~~or due to ambient light conditions~~. This shall be indicated as specified in paragraph 5.6.2. It shall automatically reactivate when the contamination disappears and normal function has been verified. This shall be tested in accordance with the provisions of paragraph 6.9. below."

II. Justification

1. Technology is mature to allow reliable detection in low ambient light condition during day time and also during night time. The 1000 lux threshold corresponds to typical "TV studio" lighting and would restrict the effectiveness of the Vulnerable Road Users detection.
2. Detection shall occur at any (clear weather) ambient light condition; therefore, it is necessary to remove the threshold of 1000 lux from paragraph 5.3.1.3. and to amend paragraph 5.3.1.6. accordingly.