

PROPOSAL FOR A DRAFT AMENDMENT TO REGULATION No. 48

Paragraph 5.7.2.1 amend to read (added text shown in bold):-

5.7.2.1. Either the total area of the projection of the distinct parts on a plane tangent to the exterior surface of the transparent material and perpendicular to the reference axis shall occupy not less than 60 per cent of the smallest quadrilateral circumscribing the said projection, or the distance between two adjacent/tangential distinct parts shall not exceed 15 mm when measured perpendicularly to the reference axis

This requirement shall not apply to a retro-reflector

JUSTIFICATION

A retro reflector is defined in ECE-R 3, Annex 7, § 2.. It is disputed among experts whether Regulation No. 48, paragraph 5.7.2. also has to be applied to the type approval of retro reflectors.

For many years the definition of a retro-reflector (Regulation No. 3, Annex 7, paragraph 2) has been applied without any safety-related problems. The definition of a single lamp of Regulation 48 paragraph 5.7.2. is more stringent and, if applied to retro reflectors causes problems with existing approved designs.

Document No ECE TRANS/WP.29/2007/55 (based on ECE/TRANS/WP.29/GRE/2007/29) was returned to GRE by WP29 when it was realised that it would have unintentionally prohibited certain current designs of retro-reflector of long standing.

The proposal above was developed by OICA and CLEPA to clarify the situation and solve the problem.
