

Proposal for editorial correction to ECE/TRANS/WP.29/GRE/2012/36

Collective amendments to Regulations Nos. 38 and 87

Note: The following justification is intended as a replacement for that included in ECE/TRANS/WP.29/GRE/2012/36 in order to offer a clearer explanation. Whilst this explanation could be delivered verbally during the meeting it is preferable to ensure that it is documented for any future reference.

II. Justification

There is a conflict between requirements of the heat resistance test and the photometric test in Regulations Nos. 38 and 87, for lamps equipped with non-filament light sources (LED's). This proposal aims to remove this conflict by only requiring a heat test for lamps equipped with filament light sources that may generate sufficient heat to cause distortion, deformation, cracking or colour modification.

In the case of lamps equipped with filament light sources it is necessary to determine how the lamp is changing under the influence of heat being generated internally by the light source during the heat resistance test. At the end of the heat test it is proposed to only check the compliance at the 5° left and right test points, instead of repeating the complete photometry.

For any lamp except those equipped with filament lamps it is required that the photometric performance shall be tested after 1 minute and 30 minutes of operation. If the lamp is not stable it will not meet the photometric requirements so it is not necessary to carry out a separate heat test.
