

Proposal for a Corrigendum 2 to Revision 5 to Regulation No. 37

A PROPOSAL

Paragraph 3.6.3, amend to read:

“3.6.3. The colour of the light emitted shall ...Planckian locus (IEC Publication 15.2 Colorimetry, 1986). Filament lamps for use in light signalling devices, other **than those filament lamps emitting white light which have a clear (uncoated) bulb** shall meet the requirements as specified in Paragraph 2.4.2. of IEC Publication 60809, Amendment 3 to Edition 2.”

B JUSTIFICATION:

Test procedure for colour endurance is detailed in Annex K of IEC Publication 60809, Amendment 3 to Edition 2. This annex contains requirements for filament lamps with white light also.

Item 2.4.2 of Paragraph 2.4.2 of IEC Publication 60809, Amendment 3 to Edition 2 reads thus:

“Coloured filament lamps for use in light signalling devices shall be operated under test conditions for colour endurance measurements as specified in Annex K” Annex K covers details of colour endurance for white bulbs also.

In the earlier versions of ECE R 37 and IEC 60809, the expression used to describe colour used to be “bulb shall be colourless”, which over a period of time got changed to “colour of light emitted shall be white”.

In the current versions of ECE R 37 and IEC 60809 the meaning of the expression “Coloured” is not directly or indirectly described.

These leads to an understanding that colour endurance requirement is applicable to all filament lamps used for light-signalling devices, irrespective of the colour of light or presence or absence of coating of the bulb.

With change to specify the colour of light emitted than the requirement of colour of bulb, the filament today can be:

- a) Emitting white light and having a colour less bulb
- b) Emitting white light and having a coated bulb
- c) Emitting light other than white (as permitted for application) with a tinted bulb or a coated bulb.

It may be recalled that the need for incorporating requirements of colour endurance in ECE R37 was while incorporating red coloured filament lamps for stop lamp application. It was also felt necessary that colour endurance requirement would be applicable to those filament lamps (used for signalling devices) emitting light with a colour other than white or having a coated bulb.

This proposal is to provide clarity that emitting white light and having a colour less bulb need not undergo colour endurance test.
