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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations**Working Party on Lighting and Light-Signalling****Sixty-fourth session**

Geneva, 4–7 October 2010

Item 5(g) of the provisional agenda

Collective amendments—Regulations Nos. 48 and 91**Proposal for Supplement 7 to the 04 series of amendments to Regulation No. 48 (Installation of lighting and light-signalling devices)****Submitted by the experts from the Working Party “Brussels 1952”***

The text reproduced below was prepared by the expert from the Working Party “Brussels 1952” (GTB) in order to amend the requirements relating to the colour of front side-marker lamps and front side reflex. The modifications to the existing text of the Regulation, including Supplement 6 to the 04 series, are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2006–2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

Paragraph 5.10.1., amend to read:

“5.10.1. For the visibility of red light towards the front of a vehicle, with the exception of a red rearmost side-marker lamp **and of a red rearmost side retro-reflector**, there must be no direct visibility of the apparent surface of a red lamp if viewed by an observer moving within Zone 1 as specified in Annex 4.”

Paragraph 5.10.2., insert a reference to a new footnote ⁷ and a new footnote ⁷ and amend to read:

“5.10.2. For the visibility of white light towards the rear of the vehicle, with the exception of white conspicuity markings fitted to the vehicle **and of a white foremost side marker lamp and of a foremost side retro-reflector, identical to incident light** ⁷ there must be no direct visibility of the apparent surface of a white lamp if viewed by an observer moving within Zone 2 in a transverse plane situated 25 m behind the vehicle (see Annex 4);”

Paragraph 5.15., amend to read:

“5.15. The colours of the light emitted by the lamps ⁸ are the following:

main-beam headlamp:	white
dipped-beam headlamp:	white
front fog lamp:	white or selective yellow
reversing lamp:	white
direction-indicator lamp:	amber
hazard warning signal:	amber
stop lamp:	red
emergency stop signal:	amber or red
rear registration plate lamp:	white
front position lamp:	white
rear position lamp:	red
rear fog lamp:	red
parking lamp:	white in front, red at the rear, amber if reciprocally incorporated in the side direction-indicator lamps or in the side-marker lamps.
side-marker lamp:	amber, however: <ul style="list-style-type: none"> (a) the rearmost side-marker lamp can be red if it is grouped or combined

⁷ Also known as white or colourless retro-reflector.

⁸ Measurement of the chromaticity coordinates of the light emitted by the lamps is not part of this regulation

	or reciprocally incorporated with the rear position lamp, the rear end-outline marker lamp, the rear fog lamp, the stop lamp or is grouped or has part of the light emitting surface in common with the rear retro-reflector
	(b) the foremost side-marker lamp can be white if it is grouped or combined or reciprocally incorporated with any white front lighting and/or any white front signalling function, or is grouped or has part of the light emitting surface in common with the front retro-reflector
end-outline marker lamp:	white in front, red at the rear
daytime running lamp:	white
rear retro-reflector, non-triangular:	red
rear retro-reflector, triangular:	red
front retro-reflector, non-triangular:	identical to incident light ⁹
side retro-reflector, non-triangular:	amber; however:
	(a) the rearmost side retro-reflector can be red if it is grouped or has part of the light emitting surface in common with the rear position lamp, the rear end outline marker lamp, the rear fog lamp, the stop-lamp, the red rearmost side-marker lamp or the rear retro-reflector, non-triangular.
	(b) the foremost side retro-reflector can be identical to incident light 9 if it is grouped or has part of the light emitting surface in common with any white front lighting and/or any white front signalling function, the white foremost side-marker lamp or the front retro-reflector, non-triangular.

⁹ Also known as white or colourless retro-reflector.

cornering lamp:	white
conspicuity marking:	white or yellow to the side; red or yellow to the rear. ¹⁰
adaptive front-lighting systems (AFS):	white.”

The references to footnotes and footnotes in the subsequent paragraphs, will be renumbered by the secretariat accordingly.

II. Justification

1. This proposal will allow the front side marker and the foremost front side retro-reflector to be white if grouped, combined or reciprocally incorporated with any white front lighting and/or signalling devices.
 2. This principle has already been adopted in relation to the red rear side marker or the rearmost side retro-reflector and the same safety considerations concerning the confusion of signals apply.
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¹⁰ Nothing in this Regulation shall preclude the Contracting Parties