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Working Party on Lighting and Light-Signalling (GRE)

(Fifty-third session, 4–8 October 2004,
agenda item 8.)

PROPOSAL FOR DRAFT COLLECTIVE AMENDMENTS
TO REGULATIONS Nos.19, 48 and 53

(with regard to the definitions of the colour "selective yellow")

Transmitted by the expert from Japan

Note: The text reproduced below was prepared by the expert from Japan with the aim of arriving at consistent provisions concerning the respective Regulations and aligning the provisions of Regulation No. 19 with the Vienna Convention with regard to the definitions of the colour "selective yellow". The modification to the existing text of the Regulation is marked in **bold** characters.

Note: This document is distributed to the Experts on Lighting and Light-Signalling only.

A. PROPOSAL

ECE REGULATION No. 19 – Front fog lamps

(The following text is based upon Supplement 9 to the 02 series of amendments)

Paragraph 7., amend to read (deletion of the reference to footnote 4/ and footnote 4/):

"7. COLOUR

Approval may be obtained for a type of front fog lamp emitting either white or selective yellow light. The colouring, if any, of the beam may be obtained either through the filament lamp bulb or through the lens of the front fog lamp or by any other suitable means.

Calorimetric characteristics of selective yellow shall lie within the area formed by the following limits:

limit towards red	$y \geq 0.138 + 0.580 x$
limit towards green	$y \leq 1.290 x - 0.100$
limit towards white:	$y \geq 0.940 - x$ and $y \geq 0.440.$

Paragraph 8., amend the reference to footnote 5/ and footnote 5/ to read footnote 4/.

Annex 1, item 9., amend to read:

"9. Brief description:

Colour of light emitted: white / selective yellow 2/

Category as described by the relevant

..... "

Annex 6, paragraph 1.4., in the second subparagraph amend the words "an enlarged selective yellow" to read "a selective yellow".

Annex 7, paragraph 1.3., in the second subparagraph amend the words "emitting enlarged selective yellow" to read "emitting selective yellow".

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ECE REGULATION No. 48 – Installation of lighting and light-signalling devices

(The following text is based upon Supplement 4 to the 02 series of amendments)

Paragraph 5.15., amend to read:

"5.15. The colours of the light emitted by

.....

front fog lamp: white or **selective** yellow

reversing lamp:

..... "

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ECE REGULATION No. 53 – Installation of lighting and light-signalling devices for L3 category vehicles (The following text is based upon Supplement 4 to the 03 series of amendments)

Paragraph 5.13., amend to read:

"5.13. Colours of the lights

.....

front fog lamp:	white or selective yellow
rear fog lamp:	red"

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B. JUSTIFICATION

As a result of the fifty-second GRE session (TRANS/WP.29/GRE/52, para. 29), GRE supported the German position and proposal that there was no longer a need to have specifications for "selective yellow" and requested to prepare a new proposal for the deletion in the concerned Regulation to "selective yellow". GRE might resume consideration of this subject at its fifty-third session. For that purpose, Japan asks the present proposal be considered together with the following position:

VIENNA Convention on Road Traffic

Regulation No. 19, Front fog lamps, was drafted by GTB in 1967. It was approved by WP.29 at its thirtieth session in March 1970, and entered into force on 1 March 1971. Since then, the text of Regulation No. 19, which presently exists as Revision 02, has been updated regarding test procedures and colours as well as administrative provisions. According to the Regulation, the colour of light emitted shall be white or selective yellow.

In addition to that, the VIENNA Convention 1968 describes clearly that front fog lamps which emit selective yellow can be used to improve the illumination of the road in case of unfavourable weather such as thick fog, falling snow, heavy rain or similar condition. Japan understands that front fog lamps, which emit selective yellow light, assist in driving safely while driving under unfavourable weather conditions.

Markets condition in Japan

Front fog lamps emitting selective-yellow light share more than 40 per cent of the market in Japan. For that reason, the drivers recognize that front fog lamps emitting selective yellow are used to improve the illumination of the road in case of unfavourable weather.

New definitions of "selective yellow":

GTB proposes to align all "yellow", "selective yellow", "enlarged selective yellow" and "selective yellow for front fog"; to rename as "selective yellow" with the following colour boundaries:

limit towards red:	$y \geq 0.138 + 0.580 x$
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limit towards green: $y \leq 1.290 x - 0.100$
limit towards white: $y \geq 0.940 - x$ and
 $y \geq 0.440$

These boundaries comprise all existing boundaries and are equal to the front fog selective yellow but extended to the spectral distribution to allow harmonization with SAE. See diagram below.

Notation of colour boundaries

Although GRE, in principle, decided in April 2003 at its fiftieth session to change the notation of colour boundaries, this proposal was written in the manner as was done before.

Application of selective yellow

The current draft proposal does not intend to align the application of the colour selective yellow.

Diagram:

