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Working Party on Lighting and Light-Signalling (GRE)
(Fifty-third session, 4-8 October 2004,
agenda item 3.)

PROPOSAL FOR DRAFT COLLECTIVE AMENDMENTS TO
REGULATIONS Nos. 5, 19, 31, 37, 48, 53, 74, 86 and 99
(with regard to the colour "selective yellow")

Transmitted by the expert from Germany

Note: The text reproduced below was prepared by the expert from Germany to delete in the Regulations concerned the relevant paragraphs relating to the colour "selective yellow", as there is no longer any reason and support in GRE for the application of this colour in road traffic lighting (TRANS/WP.29/GRE/52, para. 29).

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

A. PROPOSAL

ECE REGULATION No. 5 - Sealed beam headlamps

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

Paragraph 9., amend to read (including the deletion of the reference to footnote 11/ and footnote 11/):

"9. COLOUR

The light emitted shall be white."

Paragraph 10., should be deleted.

Paragraphs 11. to 17., renumber as paragraphs 10. to 16.

Paragraph 11. (former), amend the reference to footnote 12/ and footnote 12/ to read footnote 11/.

Annex 2.

Item 1., amend to read:

"1. SB unit submitted for approval as type 3/
Colour of light emitted: ~~white/ selective yellow 2/~~
Rated voltage
Rated wattage"

Item 13., should be deleted.

Items 13.1 to 17., renumber as items 13 to 19.

Annex 3, paragraph 1.4., amend to read:

"1.4. The chromaticity coordinates shall be complied with."

Annex 7, paragraph 1.3., amend to read:

"1.3. The chromaticity coordinates shall be complied with."

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ECE REGULATION No. 7 - rear position (side) lamps, stop-lamps and end-outline marker lamps

(The following text is based upon Supplement 8 to the 02 series of amendments)

Paragraph 2.1.3., should be deleted.

Paragraphs 2.1.4. and 2.1.5., renumber as paragraphs 2.1.3. and 2.1.4.

Paragraph 6.3., amend to read:

"6.3. The intensities shall be measured with the filament lamp(s) continuously alight and, in the case of devices emitting red light, in coloured light."

Annex 2, item 9, amend to read:

"9. Concise description: 3/
By category of lamp:
For mounting either outside or inside or both 2/
Colour of light emitted: red /~~selective yellow~~ / white 2/
Number and category of filament lamp(s):
....."

Annex 5, amend to read (after the limits for the colour WHITE, delete the colour coordinates for SELECTIVE-YELLOW):

"
.....
WHITE :
Limit towards red : $y \geq 0.382$

For checking these colorimetric characteristics, a source of light"

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

Front fog lamps shall emit white light."

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

Paragraph 9., should be deleted.

Paragraphs 10. to 15.3.2., renumber as paragraphs 9. to 14.3.2.

Annex 1, item 9, amend to read:

"9. Brief description:
.....
Rated voltage (if sealed beam)
.....
Colour of light emitted: white / selective yellow 2/ "

Annex 6, paragraph 1.4., amend to read:

"1.4. The chromaticity coordinates shall be complied with."

Annex 7, paragraph 1.3., amend to read:

"1.3. The chromaticity coordinates shall be complied with."

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ECE REGULATION No. 31 – Halogen sealed-beam headlamps
(The following text is based upon Supplement 4 to the 02 series of amendments)

Paragraph 9.1., amend to read (deletion of the reference to footnote 11/ and footnote 11/):

"9.1. HSB units shall emit white light."

Paragraph 9.2., should be deleted.

Paragraph 10., amend the reference to footnote 12/ and footnote 12/ to read footnote 11/.

Annex 1, item 1., amend to read:

"1. HSB unit submitted for approval as type 3/
Colour of light emitted: ~~white/ selective yellow 2-~~
Rated voltage
Rated wattage "

Annex 5, paragraph 1.4., amend to read:

"1.4. The chromaticity coordinates shall be complied with."

Annex 8, paragraph 1.3., amend to read:

"1.3. The chromaticity coordinates shall be complied with."

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ECE REGULATION No. 37 – Filaments lamps

The references to the colour "Selective yellow" should be not deleted, because a large number of approved devices are still existing, and light sources for "selective yellow" are still in production (see TRANS/WP.29/GRE/2003/32). A remark "Not for new type approvals" may be necessary.

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ECE REGULATION No. 48 – Installation of lighting and light-signalling devices
(The following text is based upon Supplement 9 to the 02 series of amendments)

Paragraph 5.15., amend to read:

"5.15. The colours of the light

.....
front fog lamp: white ~~or selective yellow~~
reversing lamp:

..... "

* * *

ECE REGULATION No. 50 - front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for mopeds, motor cycles

Annex 2, item 9, amend to read:

"9. Concise description: 3/
By category of lamp:
Colour of light emitted: red ~~/ selective yellow~~ / white / amber 2/
Number and category(ies) of filament lamp(s):
....."

Annex 5, amend to read (after the limits for the colour "Amber", delete the colour coordinates for "Selective-yellow" including the reference to footnote */ and footnote */):

"

Amber :
limit towards white $y \geq 0.790 - 0.670$

For verifying the limits above, a source of"

* * *

ECE REGULATION No. 53 – Installation of lighting and light-signalling devices on L₃ category vehicles. (The following text is based upon Supplement 4 to the 01 series of amendments)

Paragraph 5.13., amend to read:

"5.13. Colours of the lights

The colours of the lights

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

* * *

ECE REGULATION No. 74 – Installation of lighting and light-signalling devices on mopeds
(The following text is based upon Supplement 3 to the 01 series of amendments)

Paragraph 5.13., amend to read:

"5.13. Colours of the lights

The colours of the mandatory or optional lamps referred to in this Regulation shall be as follows:

driving lamp:	white
passing lamp:	white
front position lamp:	white
front retro-reflector, non-triangular:	white
side retro-reflector, non-triangular:	amber
pedal retro-reflector:	amber
rear retro-reflector, non-triangular:	red
direction-indicator lamp:	amber
stop-lamp:	red
rear position lamp:	red
rear-registration plate lamp	white "

* * *

ECE REGULATION No. 86 – Installation of lighting and light-signalling devices on tractors
(The following text is based upon Supplement 2 to the original version)

Paragraph 5.15., amend to read:

"5.15. The colours of the lamps

.....	
front fog lamp:	white or selective yellow
reversing lamp:	white
..... "	

* * *

ECE REGULATION No. 99 – Gas-discharge light sources (The following text is based upon Supplement 2 to the original version)

Paragraph 2.1.2.3., should be deleted.

Paragraph 2.4.2., amend to read:

"2.4.2. An approval code shall be assigned to each type approved. Its first character shall indicate the series of amendments incorporating the most recent major technical amendments made to the Regulation at the time of issue of the approval.
This will be followed by an identification code comprising not more than two characters. Only the Arabic numerals and capital letters listed in footnote 2/ shall be used.
The same Contracting Party may not assign the same code to another type of gas-discharge

light source."

Paragraph 3.8., amend to read:

"3.8. Luminous flux

When measured according to the conditions specified in Annex 4 , the luminous flux shall be within the limits given on the relevant data sheet."

Paragraph 3.9.1., amend to read:

"3.9.1. The colour of the light emitted shall be white as prescribed on the relevant data sheet."

Paragraph 3.9.3., should be deleted.

Paragraphs 3.9.4. and 3.9.5., renumber as paragraphs 3.9.3. and 3.9.4.

Paragraph 3.11., amend to read:

"3.11. Standard gas-discharge light sources

Standard (etalon) gas-discharge light sources shall comply with the requirements applicable to type approval light sources and to the specific requirements as stated in the relevant data sheet."

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B. JUSTIFICATION

During its discussion on document TRANS/WP.29/GRE/2003/32, GRE agreed that there was no longer a real need to have, in the UNECE Regulations, specifications for "selective yellow". Thus, Germany proposes to delete this specification as a matter of simplification of the relevant Regulations and to avoid an unclear situation given by the application of "selective yellow" in the future.
