

**This paper provides additional information and justification regarding
document GRE/2026/8**

**I. Proposal for a Supplement to the 06 and 07 series of amendments to UN
Regulation No. 48**

Paragraph 5.15., amend to read:

“5.15. The colours of the light emitted by the lamps⁷ are the following:

Main-beam headlamp:	White
Dipped-beam headlamp:	White
Front fog lamp:	White or selective yellow
...	
Front position lamp:	White or selective yellow
Rear position lamp:	Red
Front fog lamp	White or selective yellow
...	
Daytime running lamp:	White or selective yellow
...	

”

Paragraph 6.9.7., amend to read:

“6.9.7. Electrical connections

In accordance with paragraph 5.11.

However, if a **white** front position lamp is reciprocally incorporated with a direction-indicator, the electrical connection of the **white** front position lamp on the relevant side of the vehicle or the reciprocally incorporated part of it may be such that it is switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp; **or,**

if a selective-yellow front position lamp is reciprocally incorporated with a direction-indicator, the electrical connection of the selective-yellow front position lamp on the relevant side of the vehicle or the reciprocally incorporated part of it shall be such that it is switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp.”

Add new paragraph 6.19.7.7., to read:

“6.19.7.7. **Irrespective of the requirements in paragraphs 6.19.7.5. and 6.19.7.6., a selective-yellow daytime running lamp on the relevant side of the vehicle shall be switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp. ”**

II. Proposal for a Supplement to the 08 and 09 series of amendments to UN Regulation No. 48

Paragraph 5.15., amend to read:

“5.15. The colours of the light emitted by the lamps⁷ are the following:

Main-beam headlamp:	White
Dipped-beam headlamp:	White
Front fog lamp:	White or selective yellow
...	
Front position lamp:	White or selective yellow
Rear position lamp:	Red
Front fog lamp	White or selective yellow
...	
Daytime running lamp:	White or selective yellow
...”	

Paragraph 6.9.7., amend to read:

“6.9.7. Electrical connections

In accordance with paragraph 5.11.

However, if a **white** front position lamp is reciprocally incorporated with a direction-indicator, the electrical connection of the **white** front position lamp on the relevant side of the vehicle or the reciprocally incorporated part of it may be such that it is switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp-; **or,**

if a selective-yellow front position lamp is reciprocally incorporated with a direction-indicator, the electrical connection of the selective-yellow front position lamp on the relevant side of the vehicle or the reciprocally incorporated part of it shall be such that it is switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp.”

Add new paragraph 6.19.7.8., to read:

“**6.19.7.8. Irrespective of the requirements in paragraphs 6.19.7.6. and 6.19.7.7., a selective-yellow daytime running lamp on the relevant side of the vehicle shall be switched OFF during the entire time (both ON and OFF cycle) of operation of the direction-indicator lamp.**”

III. Proposal for a Supplement to the 01 series of amendments to UN Regulation No. 148

Paragraph 5.1.7., amend to read:

“5.1.7. Colour:

The colour of the light emitted shall be **for lamps identified by symbol: white**,
~~however the lamp identified by symbol MA may be amber.~~

- (a) **A, white or selective yellow;**
- (b) **MA, white or amber;**
- (c) **AM, white. ”**

Paragraph 5.4.7., amend to read:

“5.4.7. Colour:

The colour of the light emitted shall be white **or selective yellow.**”

Annex 1, item 9.2., amend to read:

“9.2. By light signalling function and category:

For mounting either outside or inside or both²

Colour of light emitted: red/white/amber/colourless/**selective yellow**²

... ”

IV. Justification

General

1. The proposal aims to introduce selective yellow as an alternative to white for front position lamps and daytime running lamps.
2. In the study it was found that the safety aspect of recognising an oncoming vehicle and estimating its speed, and thus the possibility of turning left, is fulfilled in the same way with selective yellow as with white.
3. In former times, selective yellow was used in Sweden for daytime running lamps. At that time only filament lamps were used and the colour “selective yellow” was produced by a filter between the light source and the lens, either directly on the bulb or as a separate filter. Thus, the maximum possible luminous intensity was reduced compared to white and intensity is also connected to the visibility for other road users. Nowadays LEDs are typically used instead of filament lamps, so there is no reduction of luminous intensity anymore and thus the same intensity level can be reached.
4. In the USA, vehicles can be optionally equipped with daytime running lights in the colour selective yellow.

Specific

5. Paragraph 5.15. is amended to reflect the selective yellow options. The boundaries of selective yellow are known and stated in Par. 2.11.1.2. and needs not to be amended. Additionally, it is proposed to delete from Par. 5.15. one of the doubled “Front Fog lamp” requirements.
 6. To ensure the perception of the direction indicator signal, paragraphs 6.9.7. and 6.19.7. are amended to switch off the selective yellow position lamp and daytime running lamp on the relevant side of the vehicle during the whole time of activation of the direction indicator.
 7. To align UN Regulation No. 148 (01 series) with the selective yellow option for front position lamps and daytime running lamps proposed in UN Regulation No. 48, paragraphs 5.1.7. and 5.4.7., as well as Annex 1, have been amended accordingly.
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