

**OICA PROPOSAL FOR AMENDMENT TO DOCUMENT ECE/TRANS/WP29/2007/66
(Proposal for Supplement 4 to the 03 series of amendments to Regulation No. 48)**

1. Add a footnote to paragraph 6.3.5, as shown below:

6.3.5. Geometric visibility

Defined by angles α and β as specified in paragraph 2.13.,

$\alpha = 5^\circ$ upwards and downwards,

$\beta = 45^\circ$ outwards and 10° inwards.

Since the photometric values required for front fog lamps do not cover the full geometric field of vision, a minimum value of one cd in the space remaining is required for type-approval purposes. The presence of partitions or other items of equipment near the front fog lamp shall not give rise to secondary effects causing discomfort to other road users. 1/

1/ Vehicle types which do not comply with this provision may continue to be approved until 24 months after the entry into force of Supplement 4 to the 03 Series of Amendments.

2. Add a footnote to paragraph 6.3.6.1.1, as shown below:

6.3.6.1.1. In the case of class "B" front fog lamps the vertical inclination of the cut-off to be set in the unladen vehicle state with one person in the driver's seat shall be -1.5 per cent or lower. 1/

1/ Vehicle types which do not comply with this provision may continue to be approved until 24 months after the entry into force of Supplement 4 to the 03 Series of Amendments.

3. Add a footnote to paragraph 6.5.8, as shown below:

6.5.8. Tell-tale

Operating tell-tale mandatory for direction indicator lamps of categories 1, 1a, 1b, 2a and 2b. It may be visual or auditory or both. If it is visual it shall be a flashing light which, at least in the event of the malfunction of any of these direction indicator lamps, is either extinguished, or remains alight without flashing, or shows a marked change of frequency. If it is entirely auditory it shall be clearly audible and shall show a marked change of frequency, at least in the event of the malfunction of any of these direction indicator lamps.

It shall be activated by the signal produced according to paragraph 6.4.2. of Regulation No. 6 or another suitable way. 1/

If a motor vehicle is equipped "

1/ Vehicle types which do not comply with this provision may continue to be approved until 24 months after the entry into force of Supplement 4 to the 03 Series of Amendments.

4. Add a footnote to paragraph 6.19.7, as shown below:

6.19.7. Electrical connections

If installed, the daytime running lamps without the use of tools.

The daytime running lamp shall switch OFF automatically when the front fog lamps 1/ or headlamps are switched ON, except when the latter are used to give intermittent luminous warnings at short intervals."

1/ Vehicle types which do not comply with this provision with respect to front fog lamps may continue to be approved until 24 months after the entry into force of Supplement 4 to the 03 Series of Amendments.

JUSTIFICATION

Document TRANS/ECE/2007/66 introduces a large number of revisions to Regulation No 48, most of which are minor and can be introduced immediately without problems. However there are 4 exceptions which, if introduced without reasonable time to comply, will cause problems to manufacturers and may interrupt production.

For each of these, a lead time of 24 months is requested before the granting of type approval under Regulation 48 becomes conditional on compliance with the new requirements:

1. Paragraph 6.3.5

The geometric visibility requirements in this paragraph require the lamp to be visible over wider range of angles than those for which photometric values are specified in Regulation No. 19. This proposal introduces a new requirement that a minimum of 1 candela must be provided in the space remaining. Most fog lamps will comply with this requirement but some may not and in the future Fog Lamps will have to be designed and tested to ensure compliance with this requirement. As some lamps for new vehicles to be introduced and type approved under Regulation 48 in the near future may not comply, even though they meet both the photometric requirements of Regulation 19 and the geometric visibility requirements of Regulation 48, it is reasonable to allow a 24 month period before strict imposition of this requirement, which is only provided for the convenience of type approval authorities.

2. Paragraph 6.3.6.1.1

In parallel with the adoption of the new front fog lamp F3, this paragraph introduces a requirement for the present class B front fog lamp to have a maximum vertical downward inclination of -1.5% when the vehicle is in the unladen state.

In order to implement this requirement, manufacturers will have to apply new specifications both on assembly lines and on vehicles. The required adjustment of front fog lamp inclination has to be made possible directly on the assembly line, while taking account of the wide range of vehicle specifications. Vehicle attitude, and therefore fog lamp vertical alignment can be affected by the weight of a wide range of engine and other equipment.

Some vehicles will need design changes to provide accessibility of the adjustment while on the production line and in some cases new facilities on the production line, such as pits or elevated access, will have to be added so that this adjustment can be made effectively and safely while the vehicle is moving on the production line.

The above considerations mean that a transitional period of at least 24 months for new approvals is necessary because some vehicles currently in the late stages of design and pre-production will not comply, and because modifications to production facilities have to be planned well in advance and implemented during scheduled shutdown periods.

3. Paragraph 6.5.8

This paragraph introduces a new requirement specifying the source of the signal to activate the Direction Indicator tell-tale in the case of multiple light source Direction Indicator lamps. This corresponds to a requirement proposed for Regulation No 6 by document TRANS/WP29/2007/58 to be considered at the 143rd session of WP29. agenda item 4.2.4, which specifies the production of a signal. In order to allow time for Direction Indicator lamps meeting the new Regulation No 6 requirement to be available for new vehicles, it is reasonable to allow a 24 month period before imposition of this requirement for new types of vehicle.

4. Paragraph 6.19.7

This paragraph adds a new requirement for Daytime Running Lamps (DRLs) to be switched off when fog lamps are switched on. Currently, DRLs are only required to be switched off when headlamps are switched on. To comply with this new requirement new types of vehicle will have to be connected in a different way, and new vehicle types to be approved in the near future have not been designed with such connections. It is therefore reasonable to allow a 24 month period before imposition of this requirement for new types of vehicle, to give manufacturers time to re-design fog lamp wiring looms and make them ready for production on new vehicle types.
