

Informal Document No. 2

ENGLISH ONLY
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The present proposals have been prepared by the Expert from GTB-AFS after further review of the Draft Amendments to Regulation No.48 on AFS in its form resulting from the second session of the Informal Group on AFS (28-30 January 2003).

Paragraph 2.7.26.6., amend to read:

" 2.7.26.6. "Neutral state" means the state of the AFS when a **defined mode of the class C (basic) passing beam or of the main beam, if any, is produced, specified for initial adjustment of the AFS or parts of;** "

Paragraph 6.20.4.1., amend to read:

" 6.20.4.1. In width and height:
... according to the applicant's description.

All dimensions refer to the nearest edge(s) of the apparent surface(s) of the lighting unit(s) in the direction of the reference axis. "

Rationale: to define this for the provisions regarding width and height; paragraph 6.20.4.1.4. may be shortened accordingly.

Paragraph 6.20.4.1.4., amend to read:

" 6.20.4.1.4. ... and,
the distance between the inner edges of the apparent surfaces of the lighting units on the right and left hand side of the vehicle (B in the figure) shall be not less than 600 mm, or, 400 mm when the overall width of the vehicle is less than 1300 mm. **This does not apply, however, for M₁ and N₁ category vehicles. "**

Paragraph 6.20.5., amend to read:

" 6.20.5. Geometric visibility

On each side of the vehicle, for each lighting function and mode provided:
the angles of geometric visibility prescribed for the respective lighting and light-signalling functions in paragraphs 6.1.5. and 6.2.5. of this Regulation, shall be met by **at least one of the assembly of the lighting units** that are simultaneously energized to perform said function and mode(s), according to the description of the applicant. **Individual lighting units may be used to comply for different directions."**

Paragraph 6.20.7.2.(d), amend to read:

" 6.20.7.2.

(d) *It shall always be possible for the driver to manually switch the AFS from any of the passing beam modes to the **neutral state of the** basic passing beam and to manually return it to automatic AFS operation. "*

Paragraph 6.20.7.2.(e), delete this paragraph.
Or, delete at the first sentence.

Paragraph 6.20.7.4., amend to read:

" 6.20.7.4. Automatic operation of the AFS **passing beam** modes

*The changes ~~within and~~ between the provided modes of the AFS lighting functions as specified **in the paragraphs 6.20.7.4.1. to 6.20.7.4.5.** below, shall be performed automatically, without any possibility of intervention by the driver, with exception of the provisions set out in paragraphs 6.20.7.1. **(d)**, 6.20.7.2. **(d) and (e)** and 6.20.7.5. of this Regulation.*

All automatic changes shall be such that no discomfort, neither for the driver nor for other road users, is caused.

The following conditions apply for the activation of the modes of the dipped-beam ~~and, where applicable, of the main beam.~~ "
