

Transmitted by the expert from France

Informal document No. GRE-53-9
(53rd GRE, 4–8 October 2004,
agenda item 4.3..)

**UNITED
NATIONS**

E



**Economic and Social
Council**

Distr.
~~GENERAL~~

TRANS/WP.29/GRE/2004/47/Rev.1
30 September 2004

Original: ~~ENGLISH~~
————— ENGLISH AND FRENCH ONLY

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Lighting and Light-Signalling (GRE)
(Fifty-third session, 4-8 October 2004,
agenda item 4.3.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 37

(Filament lamps)

Transmitted by the expert from France

Note: The text reproduced below was prepared by the expert from France, in order to clarify its position with regard to the category of filament lamp to use in front fog lamps. It is a complement to document TRANS/WP.29/GRE/2004/19/Rev.1.

The original proposal was modified by the secretariat in order to align it with the new structure of the Regulation. 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

Annex 1,

The list of categories of filament lamps and their sheets, amend to read (inserting a new footnote ***/ to exclude the use of categories HIR1 and H9 for the use in front fog lamps of category "B" of present Regulation No. 19, and moving the categories P24W and PS24W from the list of categories for signalling lamps only to a new inserted list):

"	Category	Sheet number(s)
....		
H9	<u>***</u> /	H9/1 to 4
H9B	<u>***</u> /	H9/1 to 4
...		
HIR1	<u>***</u> /	HIR1/1 to 3
...		
S3		S3/1

only for signalling lamp and front fog lamps

P24W	P24W/1 to 3
PS24W	P24W/1 to 3

only for signalling lamps

...	
P21/5W	P21/5W/1 to 3
P27W	P27W/1 to 2
...	...
PS19W	P19W/1 to 3
PSR19W	P19W/1 to 3
....."	

Insert a new footnote ***/, to read:

*****/ Not for use in Category "B" front fog lamps as defined in Regulation No. 19."**

Sheet H27W/2, the table, standard filament lamps, the reference luminous flux, amend to read (adding a value for the flux at approximately 12V):

"	12 V	350
Reference luminous flux: lm at approximately	13.5 V	477

"

Sheet P24W/2, the table, filament lamps of normal production, objective values, luminous flux, P24W and PS24W, amend the figure "500 +10/-20 %" to read "500 +10/-15 %"

Sheet P24W/2 the table, standard filament lamps, the reference luminous flux, amend to read (adding a value for the flux at approximately 12V):

"

Reference luminous flux at approximately	12V	White: 345 lm
	13.5 V	White: 500 lm Amber: 300 lm Red: 115 lm

"

Sheet P24W/3, the table, amend to read:

"

	a1	a2	b1, b2	c1	c2
Filament lamps of normal production	1.9	1.9	0.5	5.2	3.8
Standard filament lamps	1.5	1.5	0.25	4.7	3.8

"

* * *

B. JUSTIFICATION

During the fifty-second GRE session, it was decided to revise TRANS/WP.29/GRE/2004/19, in order to allow a front fog lamp with non-removable filament lamp according to Regulation No. 37, using the wording of Regulation No. 112. This has been done with proposal TRANS/WP.29/GRE/2004/19/Rev.1. In addition, France proposes to modify Regulation No. 37 in order to allow or to forbid some categories of filament lamps.

By deletion in Regulation No. 19 of the list of applicable light sources and their luminous flux at approximately 12V, this luminous flux need to be added as a reference luminous flux to the sheets for categories H27W/1 and H27W/2.

Light source categories P(S)24W with slightly improved specifications are suitable for front fog lamps as specified by current Regulation No. 19. In comparison with existing light sources, they show improvement of behaviour against vibration, decrease of heat generation and increase of lifetime of the light source. To fulfil "Conformity of Production" for a typical front fog lamp, the geometric tolerances of the P(S)24W are strongly reduced. Also the tolerance of the luminous flux has been decreased. A reference luminous flux at 12V is specified.
