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Working Party on Lighting and Light-Signalling (GRE)  
(Forty-ninth session, 30 September - 4 October 2002,  
agenda item 7.8.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 37  
(Revision 3)

(Filament lamps)

Transmitted by the Expert from the  
International Electrotechnical Commission (IEC)

Note: The text reproduced below was prepared by the expert from IEC with the aim to improve the provisions concerning the filament lamps for use in approved lamp units of power-driven vehicles and their trailers.

The text is based upon:

- the text of Revision 3;
- including (draft) Supplements 21 and 22;
- including draft Corrigendum 1 to Revision 3;
- draft proposals to introduce red filament light sources.

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

**A. PROPOSAL**

List of contents, annexes, amend the list to read:

"Annex 1: Sheets for filament lamps  
Annex 2: Communication .... "

Text of the Regulation,

Paragraph 2.3.1.4, amend to read:

"2.3.1.4. the rated wattage (in the sequence, high wattage/ low wattage filament for dual-filament lamps); this need .... "

Annex 1,

Sheet R2/1, delete the title of the annex from the sheet

Sheet H3/3, correct in the table the spelling of the cap designation "PK 22s" to read "PK22s"

Sheet H4/2, correct in the table the spelling of the cap designation "P43 t" to read: "P43t"

Sheets P21W/1, P21/5W/1, PY21W/1 and WP21W/1, insert between title of the sheet and the drawing the text to read "The drawings are intended only to illustrate the essential dimensions (in mm) of the filament lamp" 1/

Sheets P21W/1, P21/5W/1, PY21W/1, H8/3, H9/3, H11/3 and WP21W/1, amend in the tables "IEC Publ. 61" to read "IEC Publication 60061" 1/

Sheet P21/4W/1, correct in the table the spelling of the cap designation "BAZ 15s" to read "BAZ15s". Correct also in the table for dimension "e" and for nominal values of dimensions of filament lamps of normal production the reference to the footnote to read "31.8 1/" and amend footnotes \*/ and 1/ as follows:

footnote \*/, amend to read "3/ The ..."

footnote 1/, amend to read "...of a "box-system" 3/ based on the..."

Sheet P21/5W/1, correct in the table for Rated Values of Volts and for standard filament lamp the value to read " 12 "

Sheet R10W/1, correct in the table the spelling of the cap designation 'BAU 15s' to read "BAU15s"

Sheet C5W/1, correct in the table the spelling of the cap designation 'SV 8.5' to read "SV8.5"

Sheet C21W/1, correct in the table the spelling of the cap designation "SV 8.5" to read "SV8.5"

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1/ Note by the secretariat: The proposed text is already included in the present text of the Regulation

Sheet T4W/1, replace in the table the IEC sheet number by "sheet 7004-14-8" and correct in the table the spelling of the cap designation "BA 9s" to read "BA9s"

Sheet S1/S2/2, correct in the table the spelling of the cap designation "BA 20d" to read "BA20d"

Sheet HS1/2, correct in the table the spelling of the cap designation "PX43 t" to read "PX43t"

Sheet HS2/2, correct in the table the spelling of the cap designation "PX 13.5s" to read "PX13.5s"

Sheet PY21W/1, correct in the table the spelling of the cap designation "BAU 15s" to read "BAU15s"

Sheet H6W/1, correct in the table the spelling of the cap designation "BAX 9s" to read "BAX9s"

Sheet HB3/3, correct in the table the spelling of the cap designation "P20 d" to read "P20d"

Sheet H7/3, replace in the table the IEC sheet number by "sheet 7004-5-5" and correct in the table the spelling of the cap designation "PX 26d" to read "PX26d"

Sheet H27W/2, correct in the table the spelling of the cap designation "PGJ 13" to read "PGJ13" and correct the title of the sheet to read "CATEGORIES H27W/1 AND H27W/2"

Sheet W21W/1, replace in the table the IEC sheet number by "sheet 7004-105-2"

Sheet W21/5W/1, replace in the table the IEC sheet number by "sheet 7004-106-2"

Sheet HIR1/2, correct in the table the spelling of the cap designation "PX20 d" to read "PX20d"

Sheet P27/7W/1, footnote 3/ amend to read "...sheets P27/7W/2 and 3."

Sheet H13/4, amend in the table the spelling of the cap designations "H13: PJ26.4t" and "H13A: P26.4t" to read "H13: P26.4t" and "H13A: PJ26.4t"

Annex 1, insert new pages at the beginning of the annex, to read (see next pages) and re-arrange the sequence of datasheets in alphabetical order of the sheet number.

Annex 1

SHEETS FOR FILAMENT LAMPS

Sheets \*\*\*/ for categories of filament lamps:

Category <sup>*</sup> /	Sheet number(s) <sup>**</sup> /
H1	H1/1..3
H3	H3/1..4
H4	H4/1..5
H7	H7/1..4
H8	H8/1..4
H8A	H8/1..4
H9	H9/1..4
H9A	H9/1..4
H10	H10/1..3
H11	H11/1..4
H11A	H11/1..4
H12	H12/1..3
H13	H13/1..4
H13A	H13/1..4
H14	H14/1..4
H27W/1	H27W/1..3
H27W/2	H27W/1..3
HB3	HB3/1..4
HB3A	HB3/1..4
HB4	HB4/1..4
HB4A	HB4/1..4
HIR1	HIR1/1..3
HIR2	HIR2/1..3
HS1	HS1/1..5
HS2	HS2/1..3
R2	R2/1..3
S1	S1/S2/1..2
S2	S1/S2/1..2
S3	S3/1

only for signalling lamps:

C5W	C5W/1	
C21W	C21W/1..2	
H6W	H6W/1	
H21W	H21W/1..2	
P19W	P19W/1..3	
P21W	P21W/1..2	
P21/4W	P21/4W/1	(P21/5W/2..3)
P21/5W	P21/5W/1..3	
P24W	P24W/1..3	
P27W	P27W/1..2	
P27/7W	P27/7W/1..3	
PR19W	P19W/1..3	
PR21W	PR21W/1	(P21W/2)
PR21/4W	PR21/4W/1	(P21/5W/2..3)

PR21/5W	PR21/5W/1	(P21/5W/2..3)
PR24W	P24W/1..3	
PR27/7W	PR27/7W/1	(P27/7W/2..3)
PS19W	P19W/1..3	
PS24W	P24W/1..3	
PSR19W	P19W/1..3	
PSR24W	P24W/1..3	
PSY19W	P19W/1..3	
PSY24W	P24W/1..3	
PY19W	P19W/1..3	
PY21W	PY21W/1..2	(P21W/2..3)
PY24W	P24W/1..3	
PY27/7W	PY27/7W/1	(P27/7W/2..3)
R5W	R5W/1	
R10W	R10W/1	
RR5W	R5W/1	
RR10W	R10W/1	
RY10W	R10W/1	
T1.4W	T1.4W/1	
T4W	T4W/1	
W2.3W	W2.3W/1	
W3W	W3W/1	
W5W	W5W/1	
W16W	W16W/1	
W21W	W21W/1..2	
W21/5W	W21/5W/1..3	
WP21W	WP21W/1..2	
WPY21W	WP21W/1..2	
WR5W	W5W/1	
WY2.3W	WY2.3W/1	
WY5W	W5W/1	
WY21W	WY21W/1..2	

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\*/ Categories alphanumerically ordered in contents list.

\*\*/ Sheets alphanumerically ordered in annex 1.

\*\*\*/ Tables, Electrical and Photometric characteristics:

Voltage is expressed in V;

Wattage is expressed in W;

Luminous flux is expressed in lm.

### B.1. JUSTIFICATION

This is the draft proposal as mentioned in the justification to the draft Corrigendum to Revision 3. It is concerned editorial amendments.

The proposed draft amendments concern:

- corrections to Supplement 21 re text that drawings are only intended to illustrate essential dimensions;
- corrections to Supplement 21 re an update of the IEC publication 61 that was renumbered to 60061;
- an update of references to IEC cap sheets; details below;
- a correction of H13 cap references;
- the spelling of several cap designations in the tables is not precise as it does contain blank characters;
- a correction to the contents list regarding categories that were added later to the respective sheets: H8A, H9A, H11A, H13A and WPY21W;
- the deletion of the footnote in annex 1 contents list regarding the cleaning device as there is now a general agreement on the requirement to apply such a device (objected luminous flux  $\geq 2000$  lumen); (NOTE: under consideration by WP.29);
- annex 1 missed a title;
- although not concerning the technical content, alternatives for re-arrangement of annex 1 were considered because datasheets in annex 1 were more or less listed in historical sequence and added at the end of the annex; sometimes sheets were combined with new versions; in the mean time categories on datasheets are difficult to find; a table at the beginning of annex 1 (similar to IEC 60809 but with less summarising details) has been considered and found appropriate in the framework of this type of publication; out of 10 alternatives one is proposed here;
- many tables miss the unit for luminous flux ; this is in lm and indicated by a footnote to avoid that all these sheets need to be corrected. A correction for "Watts" by "Wattage in Watt" and "Volts" by "Voltage in Volt" is recommended for next full revision. The footnote could then be deleted at next revision.

Cap sheets in detail:

- \* T4W: note added indicating that solder height US may differ from IEC;
- \* H7: flange thickness changed;  
limitation angle of contact lugs from 20° to 2°;
- \* W21W: caps combined on sheet; X-version;
- \* W21/5W: caps combined on sheet; X-version.

GTB Working Group Light Sources also reviewed this draft proposal.

**B.2. CURRENT CONTENTS LIST ANNEX 1**

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Sheet R5W, RR5W	(only for signalling lamps)	39
Sheet R10W, RY10W, RR10W	(only for signalling lamps)	40
Sheet C5W	(only for signalling lamps)	41
Sheets C21W	(only for signalling lamps)	42
Sheet T4W	(only for signalling lamps)	44
Sheet W5W, WY5W, WR5W	(only for signalling lamps)	45
Sheet W3W	(only for signalling lamps)	46
Sheets S1 and S2		47
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Sheet HS1		50
Sheets HS2		55
Sheets PY21W	(only for signalling lamps)	58
Sheet H6W	(only for signalling lamps)	60
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Sheet W2.3W	(only for signalling lamps)	90
Sheets H8 and H8A		91
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Sheets H12		116
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Sheet WY2.3W	(only for signalling lamps)	121
Sheets P19W, PY19W, PR19W		
PS19W, PSY19W, PSR19W	(only for signalling lamps)	122
Sheets P24W, PY24W, PR24W		
PS24W, PSY24W, PSR24W	(only for signalling lamps)	125
Sheets H13 and H13A		128
Sheets WP21W and WPY21W	(only for signalling lamps)	
Sheets H14		
Sheet PR21W	(only for signalling lamps)	
Sheet PR21/4W	(only for signalling lamps)	
Sheet PR21/5W	(only for signalling lamps)	
Sheet PR27/7W	(only for signalling lamps)	

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