ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

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

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.

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”

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.”


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:

<table>
<thead>
<tr>
<th>Category*/</th>
<th>Sheet number(s)**/</th>
</tr>
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<tbody>
<tr>
<td>H1</td>
<td>H1/1..3</td>
</tr>
<tr>
<td>H3</td>
<td>H3/1..4</td>
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<td>H4/1..5</td>
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<td>H7</td>
<td>H7/1..4</td>
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<tr>
<td>H8</td>
<td>H8/1..4</td>
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<tr>
<td>H8A</td>
<td>H8/1..4</td>
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<td>H9/1..4</td>
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<td>H9/1..4</td>
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<td>H10/1..3</td>
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<td>H11</td>
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<td>H13/1..4</td>
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<tr>
<td>H14</td>
<td>H14/1..4</td>
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only for signalling lamps:

<table>
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<td>P21/4W</td>
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<td>P21/5W/1..3</td>
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<td>PR21W/1</td>
</tr>
<tr>
<td>PR21/4W</td>
<td>PR21/4W/1</td>
</tr>
</tbody>
</table>
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
WY21W  WP21W/1..2
WR5W  W5W/1
WY2.3W  WY2.3W/1
WY5W  W5W/1
WY21W  WY21W/1..2

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 > 2000 lumen); (NOTE: under consideration by WP.29);
- annex 1 missed a title;
- although not concerning the technical content, alternatives for rearrangement 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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