



This presentation supports the draft proposal for a  
new series of amendments to UN-Regulation No. 148

It corresponds with the marked, coloured and commented  
changes in the draft document GRE-83-09



A summary of the documents taken into account for producing this proposal is provided below with different colours:



Without base document	- Layout and editorial corrections
SLR-32-01/Rev.1	- Layout amendment
SLR-32-02/Rev.1	- Rearrangement Par. 5
SLR-32-21	- CoP Alignment
SLR-33-02	- Alignment max intensities direction indicator
SLR-35-01	- Different corrections to series 00 and 01
SLR-35-05 Rev.1/SLR-37-07	- Usage of light sources (not fully implemented yet)
SLR-37-05/Rev.1	- Clarification of failure provisions
SLR-37-06	- D-lamps for DRL
SLR 37	- Decisions taken by SLR 37 / Homework team LSD
SLR 38-03 Rev.1, SLR-38-04 Rev.1	- Rephrase of par 4.8.3. and changes to related tables in par 5
SLR-40-12/Rev.1	- Update of the Introduction text
SLR 40	- Simplify the marking requirements

## Without base document - Layout and editorial corrections

Par.	Content
 3.3.4.5.	Rewritten to consider the correct light source module marking requirements
 6.1.	Correct paragraph links for conformity of production requirements

## SLR-32-01/Rev.1 - Layout amendment

Par.	Content
 3.2.4., Table 1	The rows of the table were reduced by merging the different categories of a function
 Annex 2, Table A2-1	The layout of the table was simplified to increase the readability and to avoid confusion

-  Change editorial / clarification / structure
-  Change in requirements / alignment / simplification

## SLR-32-02/Rev.1- Rearrangement Par. 5

Par.	Content
4.6.	All failure provisions were merged under Par. 4.6. to avoid paragraph jumping
5.x.	<p>All specific technical requirements are rearranged in Par. 5 according to a fixed framework. Every subparagraph (5.x.x) now has a title followed by the requirements for that specific function, if no requirements exist it will state “not applicable” or “no additional requirements”.</p> <p>The framework for each subparagraph (function) states:</p> <ul style="list-style-type: none"><li>5.x.1. Luminous intensity and standard light distribution</li><li>5.x.2. Minimum luminous intensity within the angles of geometric visibility</li><li>5.x.3. Minimum or maximum area of apparent surface</li><li>5.x.4. Measurement</li><li>5.x.5. Additional specific requirements</li><li>5.x.6. Failure provisions (only link to Par. 4.6.)</li><li>5.x.7. Colour</li></ul>

## SLR-32-21 - CoP Alignment

Par.	Content
<i>i</i> 3.5.	The general provisions for conformity of production stay in this paragraph
<i>i</i> New Par. 6	The specific provisions for conformity of production from Par. 3.5. and Annexes 5 and 6 are collected here.
<i>i</i> Annex 4 & Annex 5	The specific requirements were merged under Par. 6 of the main text.

## SLR-33-02 - Alignment max intensities direction indicator

Par.	Content
<i>c</i> 5.6.1., Table 8	The maximum luminous intensity for all different front direction indicators is aligned to a general maximum value.

- i* Change editorial / clarification / structure
- c* Change in requirements / alignment / simplification

## SLR-35-01 - Different corrections to series 00 and 01

Par.	Content
<b>i</b> 3.1.2.1.	Editorial correction
<b>c</b> 4.6.1.4., 4.6.1.7.	Correction to the failure provisions of direction indicators for vehicles of category L
<b>i</b> Annex 1, item 9.1.6.	Added an item to the communication form to follow the provisions of par. 4.5.4. (a)
<b>c</b> Annex 3, Par. 1.2.	Added a missing sentence that was omitted in the first version

## SLR-35-05 Rev.1/SLR-37-07 - Usage of light sources (not implemented yet)

Par.	Content
<b>c</b> 4.3.	This paragraph will be completely rewritten to reflect the new light source options as agreed in GRE 82
<b>c</b> 4.7.	This paragraph will be completely rewritten to reflect the new test conditions for the different light source possibilities.
<b>c</b> Annex 8	This new Annex will describe the procedure of the light source testing incl. test provisions for future (unknown) light source technologies.

- i** Change editorial / clarification / structure
- c** Change in requirements / alignment / simplification

## SLR-37-05/Rev.1 - Clarification of failure provisions

Par.	Content
<b>i</b> 4.6.1.3.- 4.6.1.6.	An additional sentence was added to ensure that the valid provisions for each function are clear.
<b>c</b> 4.6.1.5.	Direction indicators of classes 11, 11a, 11b, 11c and 12 were included

## SLR-37-06 - D-lamps for DRL

Par.	Content
<b>c</b> 4.4.1.	Daytime running lamps added to general paragraph for D-lamps
<b>c</b> 5.4.1.	Table 6 was amended to add D-lamp possibility for daytime running lamps
<b>c</b> 5.4.3.	A new provision was added to keep DRL D-lamps below 200 cm <sup>2</sup> (100 cm <sup>2</sup> for each)

## SLR 37 - Decisions taken by SLR 37 / Coordination team R148

Par.	Content
i 3.3.5.2.	Clarification of the text
c 4.4.	Added D-lamp for all categories of a function (position, stop, end-outline marker and direction indicator)
i 4.6.1.2.	Small text correction to reflect the changes in Annex 2
i 4.8.3.	Newly structured and clarified general text for photometric requirements Some paragraphs were renumbered, some were moved to other places, no change in requirements.
i 5.x.1., 5.x.2.	Merged the two subparagraphs and clarified the text according to the general provisions in Par. 4.8.3. Done for all functions under paragraphs 5.1., 5.2., 5.3, 5.4., 5.5., 5.6., 5.7. and 5.8.
i 5.1.4., 5.2.4., 5.3.4., 5.5.4.	Partially moved requirements from Annex 2 to the subparagraphs of the relevant functions
i 5.7.4.	Moved requirement from Annex 3 to main text.
i Annex 2	Changed text „light distribution in space“ to „Angles of geometric visibility“ to be in line with Par. 4 and 5.
i Annex 2 2.7.1., 2.7.2.	Removed requirements as double to main body text

- i Change editorial / clarification / structure  
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## SLR-38-03 Rev.1, SLR-38-04 Rev.1 - Rephrase of par 4.8.3. and changes to related tables in par 5

Par.	Content
i 4.8.3.	Headline added
i 4.8.3.1.	Merged all existing provisions regarding luminous intensities in one paragraph
i 4.8.7., 4.8.8. & 4.8.10.	Transferred to 4.8.2.4. to 4.8.2.6.
i Diff. Paras.	Renumbered for clearer order
i Tables in 5.	Aligned with the new structure in 4.8.3.

## SLR-40-12/Rev.1 – Update of the Introduction text

Par.	Content
i Introduction	Updated the introductory text to reflect the new series of amendments

## SLR 40 – Simplify the marking requirements

Par.	Content
c Annex 7, drawing	Removed a marking requirement for the horizontal part of the downward facing arrow for devices mounted below 750 mm.

i Change editorial / clarification / structure

c Change in requirements / alignment / simplification