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World Forum for Harmonization of Vehicle Regulations**Working Party on Lighting and Light-Signalling****Eighty-eighth session**

Geneva, 25-28 April 2023

Item 4 of the provisional agenda

Simplification of lighting and Light-Signalling UN Regulations**Proposal for a new [03] series of amendments to UN
Regulation No. 74****Submitted by the Informal Working Group on Simplification of
Lighting and Light-Signalling Regulations***

The text reproduced below was prepared by the Informal Working Group on Simplification of Lighting and Light-Signalling Regulations (IWG SLR) with the aim to enable the phasing out of the installation of older lamps/devices. The modifications to the existing text of UN Regulation No. 74 are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



I. Proposal

Paragraph 6.1.1., amend to read:

- “6.1.1. Number
- One or two, of ~~approved type~~ **type-approved** according to:
- (a) ~~Regulation No. 113;~~
 - (b) ~~Class A or B of UN Regulation No. 112;~~
 - (c) ~~UN Regulation No. 1;~~
 - (d) ~~UN Regulation No. 57;~~
 - (f) ~~UN Regulation No. 72;~~
 - (g) ~~UN Regulation No. 76;~~
 - (g) ~~Class A, B, BS, CS, or DS or ES of the 01 or subsequent series of amendments to UN Regulation No. 149.”~~

Paragraph 6.1.7., amend to read:

- “6.1.7. Electrical connections
- The passing-beam(s) may remain switched ON with the driving-beam(s).
- However, when the vehicle is fitted with secondary driving-beam(s) approved in accordance with UN Regulations Nos. ~~113 or~~ 149, at least one of the following lamps shall remain switched ON with the secondary driving beam(s):
- (a) Passing-beam(s);
 - (b) ~~Primary driving beam approved according to UN Regulations Nos. 113 or 149;~~
 - (e)(b) Driving-beam of Class A or B approved according to the 01 ~~and or~~ subsequent series of amendments to UN Regulation No. 149.”

Paragraph 6.2.1. and footnote *, amend to read:

- “6.2.1. Number
- One or two, of ~~approved type~~ **type-approved** according to:
- (a) ~~Regulation No. 113*;~~
 - (b) ~~Class A or B of UN Regulation No. 112;~~
 - (c) ~~Regulation No. 1;~~
 - (d) ~~Regulation No. 56;~~
 - (e) ~~Regulation No. 57;~~
 - (f) ~~Regulation No. 72;~~
 - (g) ~~Regulation No. 76~~
 - (h) ~~Regulation No. 82.~~
 - (i) ~~Class A, B, C, V, AS*, BS, CS, or DS or ES of the 01 or subsequent series of amendments to UN Regulation No. 149.~~
 - (j) ~~Class C or V of the 01 and subsequent series of amendments to UN Regulation No. 149.~~

* ~~Headlamps of Class A of UN Regulation No. 113 with LED modules or class AS of UN Regulation No. 149 with LED modules only on vehicles with a maximum design speed not exceeding 25 km/h.”~~

Paragraph 6.3.1., amend to read:

“6.3.1. Number

One or two-, **type-approved according to the 02 or subsequent series of amendments to UN Regulation No. 7, or to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148.**”

Paragraph 6.4.1., amend to read:

“6.4.1. Number

One-, **type-approved as Class IA or IB according to the 02 or subsequent series of amendments to UN Regulation No. 3, or to the 00 or subsequent series of amendments to UN Regulation No. 150.**”

Paragraph 6.5.1., amend to read:

“6.5.1. Number

One or two-, **type-approved as Class IA or IB according to the 02 or subsequent series of amendments to UN Regulation No. 3, or to the 00 or subsequent series of amendments to UN Regulation No. 150.**”

Paragraph 6.7.1., amend to read:

“6.7.1. Number

One or two-, **type-approved as Class IA or IB according to the 02 or subsequent series of amendments to UN Regulation No. 3, or to the 00 or subsequent series of amendments to UN Regulation No. 150.**”

Paragraph 6.8.2., amend to read:

“6.8.2. Arrangement

Two front indicators, **type-approved as (category ~~11-3A~~) 1, 1a or 1b according to the 01 or subsequent series of amendments to UN Regulation No. 6, or to the 00 or subsequent series of amendments to UN Regulation 148; or category 11, 11a, 11b or 11c according to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148).**

Two rear indicators, **type-approved as (category 2 ~~12-4~~) as specified in according to the 01 or subsequent series of amendments to UN Regulation No. 6, or to the 00 or subsequent series of amendments to UN Regulation No. 148; or category 12 according to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148.**”

Paragraph 6.9.1., amend to read:

“6.9.1. Number

One or two, **type-approved as a category S1 device according to the 02 or subsequent series of amendments to UN Regulation No. 7, or to the 00 or subsequent series of amendments to UN Regulation No. 148; or as a stop lamp for category L vehicles according to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148.**”

Paragraph 6.10.1., amend to read:

“6.10.1. Number

One or two, **type-approved according to the 02 or subsequent series of amendments to UN Regulation No. 7, or to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148.**”

Paragraph 6.11.1., amend to read:

“6.11.1. Number

One, **type-approved as category 1 or 2 according to the 00 or subsequent series of amendments to UN Regulation Nos. 50 or 148.**

The device may consist of several optical components designed to illuminate the space reserved for the registration plate.”

Paragraph 12.10., insert a new paragraph to read:

- “12.10. Transitional provisions applicable to the [03] series of amendments**
- 12.10.1. As from the official date of entry into force of the [03] series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the [03] series of amendments.**
- 12.10.2. As from 1 September [2028], Contracting Parties applying this Regulation shall not be obliged to accept type approvals to the preceding series of amendments, first issued after 1 September [2028].**
- 12.10.3. Until 1 September [2030], Contracting Parties applying this Regulation shall accept type approvals to the preceding series of amendments, first issued before 1 September [2028].**
- 12.10.4. As from 1 September [2030], Contracting Parties applying this Regulation shall not be obliged to accept type approvals, and extensions thereof, issued to the preceding series of amendments to this Regulation.**
- 12.10.5. Notwithstanding the transitional provisions above, Contracting Parties who start to apply this Regulation after the date of entry into force of the most recent series of amendments are not obliged to accept type approvals which were granted in accordance with any of the preceding series of amendments to this Regulation.**
- 12.10.6. Notwithstanding paragraph 12.10.4., Contracting Parties applying this Regulation shall continue to accept type approvals to the preceding series of amendments to this Regulation and extension thereof, for the vehicles which are not affected by the changes introduced by the [03] series of amendments.**
- 12.10.7. Contracting Parties applying this Regulation may grant type approvals according to any preceding series of amendments to this Regulation.**
- 12.10.8. Contracting Parties applying this Regulation shall continue to grant extensions of existing approvals to any preceding series of amendments to this Regulation.”**

II. Justification

1. This proposal is based on the initial request by the expert of the European Commission at the eighty-fifth session of the Working Party on Lighting and Light-Signalling (GRE), to modify the transitional provisions of the new 01 series of amendments to UN Regulations Nos. 148, 149 and 150 (informal document GRE-85-30 and paragraph 10 of ECE/TRANS/WP.29/GRE/85). IWG SLR was requested to consider the issue and to report back to GRE about the most appropriate way to amend impacted UN Regulations, in particular on whether it would be at device level or at installation level.

2. After analysis, IWG SLR agreed that the most practical way to introduce changes made to the 01 series of the UN Regulations Nos. 148, 149 and 150 was to prescribe them in lighting installation regulations, and particularly in the individual specifications of each function (paragraph 6). During the eighty-sixth session of GRE, this approach was generally supported with the request to avoid proliferation of new series of amendments to lighting installation regulations.

3. To determine which requirements needed to be added into UN Regulation No. 74, the International Motorcycle Manufacturers Association (IMMA) conducted an in-depth technical analysis of the new requirements introduced by the 01 series of the three UN device Regulations during Stage 2 / Step 1 of the SLR work. As a result of the evaluation, it was

evident that the main technical changes were introduced into UN Regulation No. 149 for road illumination devices, namely all classes of passing-beam and driving-beam headlamps.

4. At the fifty-eighth SLR meeting in October 2022, the European Commission requested to specify which device regulations (and their corresponding series of amendments) are allowed for each single function in installation regulations. This proposal reflects the request by the European Commission.

5. The proposed amendments will result in allowing only the installation of headlamps approved to the 01 series of UN Regulation No. 149, which implies phasing out a number of headlamp classes which are nowadays widely used. Such a restriction increases the level of stringency of UN Regulation No. 74, and it is therefore necessary to create a new 03 series with its corresponding transitional provisions.

6. The words “and extensions thereof” have been added to paragraph 12.10.4. for clarification, to avoid different interpretations of the conditions. This is a specific request made by the expert from the European Commission.
