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Inland Transport Committee

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

Geneva, 20–23 October 2015

Item 7 (d) of the provisional agenda

Other Regulations - Regulation No. 53 (Installation of lighting and light-signalling devices for L₃ vehicles)**Proposal for Supplement 18 to the 01 series of amendments to Regulation No. 53 (Installation of lighting and light-signalling devices for L₃ vehicles)****Submitted by the expert from the International Motorcycle Manufacturers Association***

The text reproduced below was prepared by the expert from the International Motorcycle Manufacturers Association (IMMA) to allow for the installation on motorcycles of light signalling devices with light sources that can be sequentially activated. The same function exists for four-wheelers (Regulations Nos. 6 and 48). The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Proposal

Insert a new paragraph 2.32., to read:

"2.32. "Sequential activation" means an electrical connection where the individual light sources of a lamp are wired such that they are activated in a predetermined sequence."

Insert a new paragraph 5.8.1., to read:

"5.8.1. The photometric characteristics of a direction indicator lamp except for categories 5 and 6 specified in Regulation No. 6, and a direction indicator lamp specified in Regulation No. 50 may be varied during a flash by sequential activation of light sources as specified in paragraph 5.6. of Regulation No. 6 or in paragraph 6.8. of Regulation No. 50."

II. Justification

1. IMMA proposes this supplement to Regulation No. 53 (and a separate supplement to Regulation No. 50) to introduce the sequential activation of light sources in direction indicator lamps for motorcycles. The same function exists for four-wheeled vehicles in Regulations Nos. 6 and 48). The proposed text is based on Regulation No. 48, paragraphs 2.36. and 5.9.3.
2. No negative factors are identified with the introduction of the sequential activation of light sources in direction indicators for motorcycles.
3. A distraction investigation into dynamic turn indicator for four-wheeled vehicles was presented by the International Organization of Motor vehicle Manufactures (OICA) (GRE-70-16) at the seventieth session of GRE. Safety was not an issue as about seventy percent of subjects judged 'dynamic was better than static' and only few subjects evaluated 'no good'. Similar results are expected if dynamic turn indicators are tested for motorcycles.