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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Lighting and Light-Signalling****Sixty-sixth session**

Geneva, 4–6 October 2011

Item 5(k) of the provisional agenda

Collective amendments - Regulation Nos. 74 and 113**Proposal for amendment to Regulation No. 113 (Headlamps emitting a symmetrical passing beam)****Submitted by the expert from Germany***

The text reproduced below was prepared by the expert from Germany to introduce Class A headlamps with LED or LED modules. It is based on informal document GRE-65-14, distributed during the sixty-fifth session of the Working Party on Lighting and Light Signalling (GRE) and supplements ECE/TRANS/WP.29/GRE/2011/5. 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 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, programme activity 02.4), 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 5.3., amend to read:

"5.3. Headlamps of class A, B, C or D shall be equipped with filament lamp(s) approved according to Regulation No. 37 and/ or, for headlamps of class A, C or D, with (an) LED module(s).

However in the case of headlamps of class A the LED or LED module may be not replaceable."

Paragraph 5.3.2.3., amend to read:

"5.3.2.3. The total objective luminous flux of all LED modules producing the passing beam shall be measured as described in paragraph 5 of Annex 12. The following minimum and maximum limits shall apply:

	<i>Headlamps Class A</i>	<i>Headlamps Class C</i>	<i>Headlamps Class D</i>
Passing beam minimum	[100] lumen	500 lumen	2000 lumen
Passing beam maximum	900 lumen	1000 lumen	2000 lumen

"

II. Justification

1. Vehicle manufacturers would like to use Class A headlamps with LED or LED modules, especially in combination with electric propulsion system. However, such headlamps are not foreseen by the Regulation.

3. The experts of Germany see therefore the need for introducing Class A headlamps with LED or LED modules. These headlamps are similar to good bicycle headlamps and are therefore relative small. Consequently, removable LED modules are not necessary.