



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.29/GRE/2009/20
16 January 2009

Original: ENGLISH
ENGLISH AND FRENCH ONLY

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Sixty-first session

Geneva, 30 March - 3 April 2009

Item 5(f) of the provisional agenda

COLLECTIVE AMENDMENTS

Regulations Nos. 19, 48, 98, 112 and 123

Proposal for draft Supplement 4 to the 04 series of amendments to Regulation No. 48
(Installation of lighting and light-signalling devices)

Submitted by the expert from the Working Party "Brussels 1952" */

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) in order to update the limitation concerning the maximum luminous intensity of the main beam to the basis of type approval at 13.2 V. The modifications to the current text of the Regulation, including draft Supplement 3 to the 04 series of amendments to Regulation No. 48, are marked in bold characters.

*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Paragraph 6.1.9.1., amend to read:

"6.1.9.1. The aggregate maximum intensity of the main-beam headlamps which can be switched on simultaneously shall not exceed ~~300,000~~ **430,000** cd, which corresponds to a reference value of 100."

B. JUSTIFICATION

This proposed amendment is part of the package of changes to Regulations Nos. 98, 112 and 123 where the photometry is specified on the basis of reference luminous flux at approximately 13.2 V instead of approximately 12 V. As a result it is necessary to adjust the value of the aggregate maximum intensity by the factor of 1.0/0.7 giving a value of 428,571 cd which has been rounded to 430,000 cd for convenience.
