



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.29/GRE/2007/15
28 December 2006

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

Fifty-seventh session

Geneva, 26-30 March 2007

Item 13.1. of the provisional agenda

LIGHT-EMITTING DIODE (LED) MODULES FOR ROAD ILLUMINATION DEVICES

Regulation No. 48

(Installation of lighting and light-signalling devices)

Proposal for draft amendments to Regulation No. 48

Submitted by the expert from the International Electrotechnical Commission

The text reproduced below was prepared by the expert from the International Electrotechnical Commission (IEC) in order to update the definitions of the light-emitting diode (LED) light sources and modules. The modifications to the current text of the Regulation (up to Supplement 1 to the 03 series of amendments) are marked in **bold** characters.

Note: This document is distributed to the Experts of the Working Party on Lighting and Light-Signalling (GRE) only.

A. PROPOSAL

Paragraph 2.7.1.1.6., amend to read:

"2.7.1.1.6. **"Light-emitting diode (LED) light source"** means a light source where the element for visible radiation is one or more solid state junctions producing injection-luminescence/fluorescence;"

Insert a new paragraph 2.7.1.1.7., to read:

"2.7.1.1.7. **"LED module" means a light source module containing as light sources only LED light sources.**"

B. JUSTIFICATION

As LED light sources become more and more common, it seems reasonable to streamline the definitions for filament, gas-discharge and LED light sources.

Moreover, this updated definition would (although the content remains unchanged) make it possible to introduce replaceable LED light sources into the device Regulations without further amendments to the definitions in Regulation No. 48.

Note: The proposed "LED module" definition in paragraph 2.7.1.1.7. is an update of the definition proposed by the expert from the Working Party "Brussels 1952" (GTB) in document ECE/TRANS/WP.29/GRE/2006/42.
