

## **Proposal for correction of ECE/TRANS/WP.29/GRE/2014/31**

### **I. Proposal**

Paragraph 6.1.3.3 should be corrected as follows:

**“6.1.3.3. In the case of the use of an electronic light source control gear according to paragraph 5.3.1.3., the luminous intensity values measured at reference luminous flux shall be corrected by multiplication with the factor  $F_v$ , whereas**

$$F_v = (V_1 / V_2)^{3.5}$$

**$V_1$  is the value(s) of the output voltage (range) (in V) of the electronic light source control gear at the terminals of the filament lamp as measured according to paragraph 5.3.1.3.1.**

**$V_2$  = 6.3 for 6 Volt-Systems  
= 13.2\* for 12 Volt-Systems  
= 28.0 for 24 Volt-Systems**

**The factor  $F_v$  shall be noted in the test report.**

**\* In case of H9 or H9B, this may be 12.2 V as indicated in paragraph 6.1.3.1.”**

Paragraph 10.8 should be corrected as follows:

**“10.8. If an electronic light source control gear associated with a filament lamp is used:**

- (a) either the measurement as described in paragraph 6.1.3. and its subparagraphs of this Regulation shall be carried out; or**
- (b) the photometric characteristics of the headlamp shall be checked while the electronic light source control gear is connected contrary to what is prescribed in paragraph 6.1.3; paragraph 6.1.3.3 shall be disregarded.”**

### **II. Justification**

Paragraph 6.1.3.3:  $V_2$  was corrected by replacing the “about value” for the reference luminous flux by the exact value of 13.2V. This way the formula is independent from the used etalon light source. This allowed further simplification of the formula again.

Paragraph 10.8: The intention to simplify the C.o.P. procedure should be more adequately served with this improved proposal.

Justification, 2 (d): Last 4 bullets should be removed.