

REGULATION No. 41
(Noise of motorcycles)

German proposal for amendments to ECE/TRANS/WP.29/GRB/2009/3
(Draft 04 series of amendments to Regulation No. 41)

The text reproduced below describes the outcome of a national German meeting held on 16th July 2009, proposing some minor changes to the text by the GRB informal group on Regulation No. 41.

PROPOSAL

Add a new paragraph 3.5., to read:

- "3.5. A test report from the technical service conducting the type approval test shall be submitted to the type approval authority. This test report shall at least include the following information:
- (a) details of the test site (e.g. surface temperature, absorption coefficient etc.), test site location, site orientation and weather conditions including wind speed and air temperature, direction, barometric pressure, humidity;
 - (b) the type of measuring equipment including the windscreen;
 - (c) the A-weighted sound pressure level typical of the background noise;
 - (d) the identification of the vehicle, its engine, its transmission system, including available transmission ratios, size and type of tyres, tyre pressure, ECE type approval number of the tyres (if available) or tyre manufacturer and commercial description of the tyres (i.e. trade name, speed index, load index), rated maximum net power, test mass, power to mass ratio index, $a_{wot\ ref}$, a_{urban} , vehicle length;
 - (e) the transmission gears or gear ratios used during the test;
 - (f) the vehicle speed and engine speed at the beginning of the period of acceleration and the location of the beginning of the acceleration per gear used;
 - (g) the vehicle speed and engine speed at PP' and at the end of the acceleration per valid measurement;
 - (h) the method used for calculation of the acceleration;
 - (i) the intermediate measurement results $a_{wot(i)}$, $a_{wot(i+1)}$, $L_{wot(i)}$, $L_{wot(i+1)}$, $L_{crs(i)}$ and $L_{crs(i+1)}$, if applicable;
 - (j) the weighting factors k and k_p and the final measurement results L_{wot} , L_{crs} and L_{urban} ;
 - (k) the auxiliary equipment of the vehicle, where appropriate, and its operating conditions;
 - (l) all valid A-weighted sound pressure level values measured for each test, listed according to the side of the vehicle and the direction of the vehicle movement on the test site; and
 - (m) all relevant information necessary to obtain the different sound emission levels."

Paragraph 5.9., should be deleted.

Paragraph 6.1.1.(c), remove the square brackets and keep the text.

Paragraph 6.3.2., replace "... which affect the acceleration behavior of the vehicle ..." to read "... which affect the **sound emission** of the vehicle ...".

Annex 1 (Communication Form), items 10. to 10.4., remove the square brackets and keep the text.

Annex 3, paragraph 1.3.3.3.1.3.1.(a), amend "... the acceleration line shall ..." to read "...the **reference acceleration** shall ...".

Annex 7, paragraph 3.1., amend "... and [one/up to three] additional ..." to read "... and **up to two** additional ...".

- - - - -