Economic Commission for Europe
Inland Transport Committee
World Forum for Harmonization of Vehicle Regulations

168th session
Geneva, 8-11 March 2016
Item 4.6.2 of the provisional agenda
1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRB

Proposal for Supplement 1 to the 03 series of amendments to
Regulation No. 51 (Sound of M and N categories of vehicles)

Submitted by the Working Party on Noise

The text reproduced below was adopted by the Working Party on Noise (GRB) at its
sixty-second session (ECE/TRANS/WP.29/GRB/60, para. 8). It is based on Annex III to
the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations
(WP.29) and to the Administrative Committee AC.1 for consideration at their March 2016
sessions.

In accordance with the programme of work of the Inland Transport Committee for 2014–2018
(ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, programme activity 02.4), the World Forum
will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The
present document is submitted in conformity with that mandate.
Annex 3,

Paragraph 3.1.3., amend to read:

"3.1.3. …

If a sound peak obviously out of character with the general sound pressure level is observed, the measurement shall be discarded. At least four measurements for each test condition shall be made on each side of the vehicle and for each gear ratio. Left and right sides may be measured simultaneously or sequentially. The first four valid consecutive measurement results, within 2 dB(A), allowing for the deletion of non-valid results (see paragraph 2.1.), shall be used for the calculation of the final result for the given side of the vehicle. The results of each side shall be averaged separately and rounded to the first decimal place. All further calculations to derive $L_{urban}$ shall be done separately for the left and right vehicle side. The final value to be reported as the test result mathematically rounded to the nearest integer shall be the higher value of the two sides.

..."