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|  | United Nations | ECE/TRANS/WP.29/2023/72 | |
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**Economic Commission for Europe**

Inland Transport Committee

**World Forum for Harmonization of Vehicle Regulations**

**190th session**

Geneva, 20-22 June 2023

Item 4.9.2 of the provisional agenda

**1958 Agreement:**

**Consideration of draft amendments to existing UN Regulations submitted by GRBP**

Proposal for Supplement 2 to the 05 series of amendments to UN Regulation No. 41 (Noise emissions of motorcycles)

Submitted by the Working Party on Noise and Tyres[[1]](#footnote-2)\*

The text reproduced below was adopted by the Working Party on Noise and Tyres (GRBP) at its seventy-seventh session (ECE/TRANS/WP.29/GRBP/75, para. 43). It is based on ECE/TRANS/WP.29/GRBP/2023/6 not amended. 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 June 2023 sessions.

*Annex 1,* *item 18,* amend to read:

"18. Additional sound emission provisions:

| *18.1.* | *RD-ASEP operating conditions* | *Reference Point*  *(i)* | *Reference Point*  *(ii)* | *additional operating condition 1* | *additional operating condition 2* | *additional operating condition 3* |
| --- | --- | --- | --- | --- | --- | --- |
| *gear i*  *i= 1 to n (number of gears)* | | |
| 18.1.1. | Selected gear number |  |  |  |  |  |
| 1.8.1.2. | Approach condition to line AA’ (acceleration, deceleration or constant speed) | n.a. | n.a. |  |  |  |
| 1.8.1.3. | Throttle control position (%) | n.a. | n.a. |  |  |  |
| 18.1.4. | Vehicle speeds | - | - | - | - | - |
| 18.1.4.1. | Vehicle speed at the beginning of the period of acceleration (average of 3 runs) (km/h) |  |  | n.a. | n.a. | n.a. |
| 18.1.4.2. | Pre-acceleration length (m) |  |  | n.a. | n.a. | n.a. |
| 18.1.4.3. | Vehicle speed vAA’  (average of 3 runs for Reference Point (i) and (ii)) (km/h) |  |  |  |  |  |
| 18.1.4.4. | Vehicle speed vPP’  (average of 3 runs for Reference Points (i) and (ii)) (km/h) |  |  |  |  |  |
| 18.1.4.5. | Vehicle speed vBB’  (average of 3 runs for Reference Points (i) and (ii)) (km/h) |  |  |  |  |  |
| 18.1.5. | Engine speeds | - | - | - | - | - |
| 18.1.5.1. | Engine speed nAA’  (average of 3 runs for Reference Points (i) and (ii)) (min-1) |  |  |  |  |  |
| 18.1.5.2. | Engine speed nPP’  (average of 3 runs for Reference Points (i) and (ii)) (min-1) |  |  |  |  |  |
| 18.1.5.3. | Engine speed nBB’  (average of 3 runs for Reference Points (i) and (ii)) (min-1) |  |  |  |  |  |
| 18.1.6. | Wide open throttle test result Lwot for Reference Points (i) and (ii) (dB(A)) |  |  | n.a. | n.a. | n.a. |
| 18.1.7. | max. sound pressure level LASEP of the additional operating conditions | n.a. | n.a. |  |  |  |
| 18.1.8. | RD-ASEP limit’ |  |  |  |  |  |

Footnote: The columns for the additional operating conditions 1, 2 and 3 in the table above, need to be repeated for each gear that needs to be tested."

1. \* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate. [↑](#footnote-ref-2)