



Economic and Social Council

Distr.: General
30 March 2023

Original: English

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*

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.

* 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.



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</i> <i>i</i> = 1 to <i>n</i> (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 $v_{AA'}$ (average of 3 runs for Reference Point (i) and (ii)) (km/h)					
18.1.4.4.	Vehicle speed $v_{PP'}$ (average of 3 runs for Reference Points (i) and (ii)) (km/h)					
18.1.4.5.	Vehicle speed $v_{BB'}$ (average of 3 runs for Reference Points (i) and (ii)) (km/h)					
18.1.5.	Engine speeds	-	-	-	-	-
18.1.5.1.	Engine speed $n_{AA'}$ (average of 3 runs for Reference Points (i) and (ii)) (min^{-1})					
18.1.5.2.	Engine speed $n_{PP'}$ (average of 3 runs for Reference Points (i) and (ii)) (min^{-1})					
18.1.5.3.	Engine speed $n_{BB'}$ (average of 3 runs for Reference Points (i) and (ii)) (min^{-1})					
18.1.6.	Wide open throttle test result L_{wot} for Reference Points (i) and (ii) (dB(A))			n.a.	n.a.	n.a.
18.1.7.	max. sound pressure level L_{ASEP} 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."