

ENGLISH

Information paper about sound level limits

Transmitted by the Chairman of Informal Group on Regulation No. 51

6.2.2. Sound level limits

The sound level of vehicle types, as measured by the method described in paragraph 3.1. of Annex 3 to this Regulation, shall not exceed the following limits:

Vehicle categories		Limit values (dB(A))		
		Stage 1*	Stage 2**	Stage 3***
6.2.2.1.	M ₁ a	72	70	69
6.2.2.2.	M ₁ b	73	72	71
6.2.2.3.	M ₁ c	74	74	73
6.2.2.4.	M ₁ d	72	72	71
6.2.2.5.	N ₁ / M ₂ a	72	70	69
6.2.2.6.	N ₁ / M ₂ b	74	72	71
6.2.2.7	M ₂ c ¹⁾	b1	b2	b3
6.2.2.8	M ₃ ²⁾	c1	c2	c3
6.2.2.9.	N ₂ ¹⁾	d1	d2	d3
6.2.2.10.	N ₃ ²⁾	e1	e2	e3

1) 1 dB(A) in addition for vehicles which fulfill the criteria for off-road as defined in R.E.3

2) 2 dB(A) in addition for vehicles which fulfill the criteria for off-road as defined in R.E.3

Vehicles according to paragraph 6.2.2.1. are M1 vehicles as defined in R.E.3 with a power to mass ratio index not exceeding 120.

* Date of entry into force of ECE Regulation No. 51-03 for new type approvals and 4 years later for new vehicles brought into the market

** The date of entry into force of stage 2 is 01.01.2015.

*** The date of entry into force of stage 3 is 01.01.2020.

Vehicles according to paragraph 6.2.2.2. are M1 vehicles as defined in R.E.3 with a power to mass ratio index exceeding 120 for stage 1, 130 for stage 2 and 140 for stage 3.

Vehicles according to paragraph 6.2.2.3. are M1 vehicles as defined in R.E.3 with a power to mass ratio index exceeding 200 .

Vehicles according to paragraph 6.2.2.4. are M1 vehicles as defined in R.E.3 which fulfill the criteria for off-road vehicles as defined in R.E.3 and in addition have a wading depth exceeding 500 mm and a hill climbing ability exceeding 35°.

Vehicles according to paragraph 6.2.2.5. are N1 and M2 vehicles as defined in R.E.3 with a gross vehicle mass not exceeding 2.5 tonnes.

Vehicles according to paragraph 6.2.2.6. are N1 and M2 vehicles as defined in R.E.3 with a gross vehicle mass exceeding 2.5 tonnes but not exceeding 3.5 tonnes.

Vehicles according to paragraph 6.2.2.7. are M2 vehicles as defined in R.E.3 with a gross vehicle mass exceeding 3.5 tonnes.

Vehicles according to paragraph 6.2.2.8. are M3 vehicles as defined in R.E.3.

Vehicles according to paragraph 6.2.2.9. are N2 vehicles as defined in R.E.3.

Vehicles according to paragraph 6.2.2.10. are N3 vehicles as defined in R.E.3. with a rated engine power not exceeding 300 kW.

Vehicles according to paragraph 6.2.2.11. are N3 vehicles as defined in R.E.3. with a rated engine power exceeding 300 kW.
