

Table 1: The sub-categories suggestion from China (Chinese Style)

Vehicle Category	Sub-category	Limit value (Phase 1 st)	Limit value (Phase 2 nd)
M1*	GVM ≤ 2 500kg	72	71
	GVM > 2 500kg	73	72
M2**	GVW ≤ 3 500 kg	74	73
	GVW > 3 500 kg	76	75
M3**	Vehicle length ≤ 7 500mm	78	76
	7 500mm < Vehicle length ≤ 10 000mm	80	79
	Vehicle length > 10 000mm	81	80
N1*	Front axle drive	72	71
	Rear or two axles drive	74	73
N2**	GVW ≤ 7 500 kg	78	77
	GVW > 7 500 kg	79	78
N3**	GVW ≤ 17 000 kg	81	80
	GVW > 17 000 kg	82	81

Additional items (All the three additional items upwards can be accumulated.):

- 1. Increased by 1 dB(A) for M1, M2 (GVW ≤ 3.5t) and N1 equipped with a compression-ignition and direct injection internal combustion engine;**
- 2. Increased by 1 dB(A) for M1 categories vehicles with the PMR values higher than 120 kW/t, and increased by 2dB(A) with the PMR values higher than 160 kW/t.**
- 3. Increased by 1 dB(A) for M1 and N1 categories with rear axle drive or more than one drive axle;**
- 4. ** Increased by 1 dB(A) for M2, M3, N2, N3 with more than one drive axle;**
- 5. Increased by 1 dB(A) for All vehicle categories with more than two axles.**

Table 2: The sub-categories suggestion from China (Chinese Style)

Vehicle Category	Sub-category	Limit value (Phase 1 st)	Limit value (Phase 2 nd)
M1*	Front axle drive	72	71
	Rear or two axles drive	73	72
M2**	GVW ≤ 3 500 kg	74	73
	GVW > 3 500 kg	76	75
M3**	Vehicle length ≤ 7 500mm	78	76
	7 500mm < Vehicle length ≤ 10 000mm	80	79
	Vehicle length > 10 000mm	81	80
N1*	Front axle drive	72	71
	Rear or two axles drive	74	73
N2**	GVW ≤ 7 500 kg	78	77
	GVW > 7 500 kg	79	78
N3**	GVW ≤ 17 000 kg	81	80
	GVW > 17 000 kg	82	81

Additional items (All the three additional items upwards can be accumulated.):

- 1. Increased by 1 dB(A) for M1, M2 (GVW ≤ 3.5t) and N1 equipped with a compression-ignition and direct injection internal combustion engine;**
- 2. Increased by 1 dB(A) for M1 categories vehicles with the PMR values higher than 120 kW/t, and increased by 2dB(A) with the PMR values higher than 160 kW/t.**
- 3. ** Increased by 1 dB(A) for M2, M3, N2, N3 with more than one drive axle;**
- 4. Increased by 1 dB(A) for All vehicle categories with more than two axles.**

Table 3: The sub-categories suggestion from China (European or Japanese Style)

(Not recommended but still can accept)

Vehicle Category	Sub-category	Limit value (Phase 1 st)	Limit value (Phase 2 nd)
M1*	PMR ≤ 120 kW/t	72	71
	120 < PMR ≤ 160 kW/t	73	72
	PMR > 160 kW/t	74	73
M2**	GVW ≤ 3 500 kg	74	73
	GVW > 3 500 kg	76	75
M3**	P _n ≤ 110 kW	78	76
	110 < P _n ≤ 180 kW	80	79
	P _n > 180 kW	81	80
N1*	GVM ≤ 2 500 kg	72	71
	GVM > 2 500 kg	73	72
N2**	P _n ≤ 75 kW	78	77
	P _n > 75 kW	79	78
N3**	P _n ≤ 225 kW	81	80
	P _n > 225 kW	82	81

Additional items (All the three additional items upwards can be accumulated.):

- 1. Increased by 1 dB(A) for M1, M2 (GVW ≤ 3.5t) and N1 equipped with a compression-ignition and direct injection internal combustion engine;**
- 2. * Increased by 1 dB(A) for M1 and N1 categories with rear axle drive or more than one drive axle;**
- 3. ** Increased by 1 dB(A) for M2, M3, N2, N3 with more than one drive axle;**

4. Increased by 1 dB(A) for All vehicle categories with more than two axles.

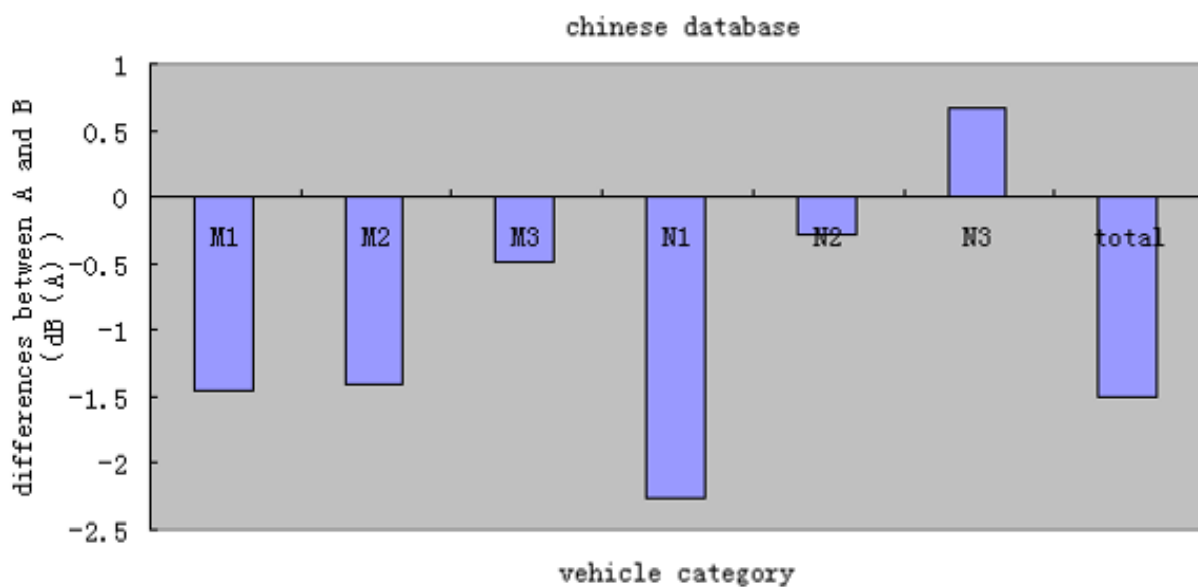
The limit value for different vehicle categories of Chinese suggestions

Limit value dB (A)	Vehicle categories					
	M1	N1	M2	N2	M3	N3
72	Yellow	Olive				
73						
74		White		Cyan		
75						
76						
77				Purple	Light Blue	
78						
79						
80						
81						Light Purple
82						
83						
84						

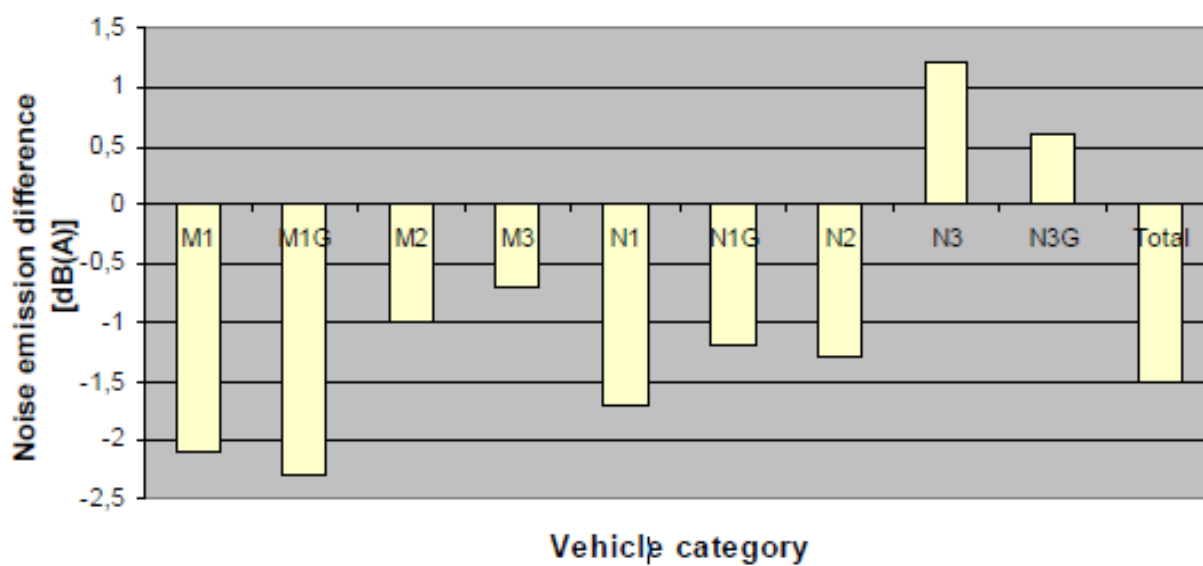
What has been considered for the limit value of China? :

- Data base of ECE R51 / 03 series
- Data base of ECE R51 / 02 series
- The implement of ECE R 51 / 02 series
- The relationship between the 02 and 03 series
- The relationship between different vehicle categories within the limit values system of 03 series we have built up.

The difference between method A and method B



The database of China (168 vehicles included)



The database of Europe (from the TNO report)