

+ ECE-R51-03		Informal document No. GRB-47-5, 47th GRB, 19-21 February 2008, Agenda item 3(a)																	ECE-R51-02						
No	Vehicle brand	model	PMR	a urb	a wot ref	gears		a 1	a i+1	L_gear_wot [dBA]		L_gear_crs [dBA]		Lwot	Lcrs	L urb	Ltyp	Delta	L_gear [dBA]			L_avg	Ltyp	Delta	
			kW/t	m/s ²	m/s ²	i	i+1	m/s ²	m/s ²	i	i+1	i	i+1	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	D	2.0	3.0	dB(A)	dB(A)	dB(A)
1	Ford	Fusion	52	0.99	1.32	2	3	1.72	1.00	70.9	68.8	69.2	66.8	69.7	67.8	69.2	68.0				73.2	69.6	71.4	70	
2	Ford	Fusion	52	0.99	1.32	2	3	1.74	1.03	73.2	71.1	67.5	68.9	71.8	68.5	70.9	70.0	1.7			74.9	71.5	73.2	72	1.8
3	Ford	Fusion	52	0.99	1.32	2	3	1.60	0.96	70.0	69.1	68.2	66.6	69.6	67.5	69.1	68.0	-0.1			73.5	70.4	72.0	71	0.5
4	Ford	Fusion	52	0.99	1.32	2	3	1.83	1.11	70.6	69.5	69.2	66.8	69.9	67.8	69.4	68.0	0.2			72.8	70.3	71.6	71	0.1
5	Suzuki	Alto	53	1.00	1.33	2	3	1.60	1.03	73.8	70.2	71.6	68.9	72.0	70.2	71.6	71.0				74.2	71.7	73.0	72	
6	Suzuki	Alto	53	1.00	1.33	2	3	1.49	0.97	74.0	70.2	71.9	68.5	72.7	70.7	72.2	71.0	0.6			74.2	71.5	72.9	72	-0.1
7	Suzuki	Alto	53	1.00	1.33	2	3	1.52	1.02	74.4	70.0	71.7	68.5	72.6	70.4	72.0	71.0	0.4			74.5	71.5	73.0	72	0.0
8	Nissan	Almera	53	1.00	1.33	2	3	1.75	1.09	72.2	69.8	69.0	67.8	71.0	68.4	70.3	69.0				74.3	70.4	72.4	71	
9	Nissan	Almera	53	1.00	1.33	2	3	1.61	1.09	71.7	68.6	67.7	66.2	70.4	67.1	69.5	69.0	-0.8			73.8	69.8	71.8	71	-0.5
10	Fiat	Marea	63	1.04	1.45		3				70.7		68.1	70.7	68.2	70.7	70.0				79.9	70.4	75.2	74	
11	Fiat	Marea	63	1.04	1.45		3				1.33		71.4		68.7	71.4	70.0	0.7			80.9	72.0	76.5	75	1.3
12	Audi	A4	71	1.07	1.53		3				1.34		71.5		68.9	71.5	68.9	71.0	70.0		79.4	72.6	76.0	75	
13	Audi	A4	71	1.07	1.53		3				1.23		81.6		68.9	81.2	68.7	79.6	79.0	8.6	85.4	80.9	83.2	82	7.2
14	Mitsubishi	Pajero	46	0.96	1.23		3				1.27		72.5		71.5	72.5	71.5	72.2	71.0		77.1	73.6	75.4	74	
15	Mitsubishi	Pajero	46	0.96	1.23		3				1.27		73.1		71.1	73.1	71.1	72.6	72.0	0.4	77.7	74.6	76.2	75	0.8
16	Nissan	Micra	47	0.96	1.25	3	4	1.39	0.91	70.1	68.8	67.7	66.9	69.9	67.5	69.3	68.0				73.7	70.7	72.2	71	
17	Nissan	Micra	47	0.96	1.25	3	4	1.36	0.89	70.5	68.0	68.0	66.7	70.2	67.8	69.6	69.0	0.3			74.5	71.8	73.2	72	1.0
18	Landrover	Discovery	47	0.97	1.26	3	4	1.37	0.58	72.5	70.4	69.7	68.8	72.2	69.6	71.6	71.0				79.1	73.7	76.4	75	
19	Landrover	Discovery	47	0.97	1.26	3	4	1.37	0.61	81.2	74.7	70.8	70.6	80.2	70.8	78.0	77.0	6.4			88.3	80.8	84.6	84	8.1
20	Landrover	Discovery	47	0.97	1.26	3	4	1.39	0.55	76.5	71.6	71.6	70.6	75.7	71.4	74.7	74.0	3.1			81.5	76.8	79.2	78	2.8
21	Peugeot	Export	32	0.86	0.98		3				0.97		72.8		72.2	72.6	72.1	72.5	72.0		75.2	73.8	74.5	74	
22	Peugeot	Export	32	0.86	0.98		3				0.94		72.4		71.9	72.2	71.6	72.1	71.0	-0.4	75.0	73.0	74.0	73	-0.5
23	Peugeot	Export	32	0.86	0.98		3				0.96		72.4		71.8	72.1	71.6	72.1	71.0	-0.4	75.2	72.8	74.0	73	-0.5
24	Peugeot	Export	32	0.86	0.98		3				0.96		72.8		71.8	72.6	71.7	72.5	72.0	0.0	75.3	73.2	74.3	73	-0.3
25	Peugeot	Export	32	0.86	0.98		3				0.95		73.9		72.6	73.5	71.9	73.4	72.0	0.9	75.6	74.2	74.9	74	0.4
26	Ford	Fiesta	66	1.06	1.48		3				1.40		69.2		66.5	69.1	66.2	68.4	67.0		74.4	70.3	72.4	71	
27	Ford	Fiesta	66	1.06	1.48		3				1.36		69.2		65.9	68.5	65.3	67.8	67.0	-0.6	74.3	69.8	72.1	71	-0.3
28	Ford	Fiesta	66	1.06	1.48		3				1.36		79.6		76.4	78.3	70.3	76.5	75.0	8.1	83.3	81.8	82.6	82	10.5
29	BMW	318d	59	1.02	1.40		3				1.10		68.9		67.4	68.1	66.5	68.0	67.0		73.2	70.7	72.0	71	
30	BMW	318d	59	1.02	1.40		3				1.04		68.8		67.3	67.6	66.6	67.6	67.0	-0.4	74.5	68.9	71.7	71	-0.3
31	BMW	318d	59	1.02	1.40		3				1.12		73.3		67.9	72.7	67.1	72.2	71.0	4.2	82.6	75.0	78.8	78	6.8
32	Mercedes	E300	85	1.12	1.66		D				1.25		77.0		68.5	76.9	67.6	75.4	74.0		72.1		72.1	71	
33	Mercedes	E300	85	1.12	1.66		D				1.34		81.3		68.6	80.7	67.7	79.4	78.0	4.0	76.2		76.2	75	4.1
34	Mercedes	A190	80	1.11	1.61		D				1.98		76.7		65.4	75.9	64.7	70.9	70.0		69.7		69.7	69	
35	Mercedes	A190	80	1.11	1.61		D				1.69		83.6		66.6	83.5	65.6	77.4	76.0	6.5	78		78.0	77	8.3
36	Ford	Connect	44	0.95	1.21	3	4	1.30	0.70	71.0	68.4	69.9	67.8	70.5	69.5	70.3	69.0				74.4	71.4	72.9	72	
37	Ford	Connect	44	0.95	1.21	3	4	1.27	0.68	70.6	68.5	69.5	67.4	70.3	69.2	70.1	69.0	-0.2			73.9	71.2	72.6	72	-0.3
38	Ford	Connect	44	0.95	1.21	3	4	1.30	0.70	71.6	69.1	69.5	67.4	71.1	69.1	70.7	70.0	0.4			75.1	72.3	73.7	73	0.8
39	Ford	Connect	44	0.95	1.21	3	4	1.30	0.70	73.6	72.0	69.1	67.5	73.3	68.8	72.3	71.0	2.0			76.9	73.8	75.4	74	2.4
40	Renault	Mégane	50	0.98	1.29	2	3	1.70	1.13	74.3	71.1	71.7	68.7	71.9	69.4	71.3	70.0				76.6	72.5	74.6	74	
41	Renault	Mégane	50	0.98	1.29	2	3	1.66	1.15	78.3	82.7	73.3	72.4	81.4	72.6	79.3	78.0	8.0			81.3	83.1	82.2	81	7.6
42	Nissan	Almeria	49	0.98	1.28	2	3	1.94	1.01	71.9	68.9	66.8	65.7	70.4	66.3	69.4	69.0				71.9	68.9	70.4	69	

+ ECE-R51-03

Informal document No. GRB-47-5, 47th GRB, 19-21 February 2008, Agenda item 3(a)

ECE-R51-02

No	Vehicle brand	model	PMR	a urb	a wot ref	gears		a i	a i+1	L_gear_wot [dBA]		L_gear_crs [dBA]		Lwot	Lcrs	Lurb	Ltyp	Delta	L_gear [dBA]			L_avg	Ltyp	Delta
			kW/t	m/s ²	m/s ²	i	i+1	m/s ²	m/s ²	i	i+1	i	i+1	dB(A)	dB(A)	dB(A)	dB(A)	D	2.0	3.0	dB(A)	dB(A)	dB(A)	
43	Nissan	Almeria	49	0.98	1.28	2	3	1.94	1.01	72.3	68.5	66.6	65.1	70.4	65.9	69.3	69.0	-0.1		72.3	68.5	70.4	69	0
44	Nissan	Almeria	49	0.98	1.28	2	3	1.94	1.01	71.9	70.0	66.5	65.6	71.0	66.1	69.9	70.0	0.6		71.9	70.0	71.0	70	0.6
45	Vauxhall	Aguila	53	1.00	1.33	2	3		1.41		69.7	N/A	66.3	69.7	66.3	68.7	69.0			73.3	69.7	71.5	71	
46	Vauxhall	Aguila	53	1.00	1.33	2	3		1.41		70.7	N/A	65.2	70.7	65.2	69.7	70.0	1.0		73.4	70.7	72.1	71	0.6
47	Vauxhall	Aguila	53	1.00	1.33	2	3		1.41		83.0	N/A	74.6	83.0	74.6	82.0	82.0	13.3		88.4	83.0	85.7	85	14.2
48	Vauxhall	Aguila	53	1.00	1.33	2	3		1.41		72.0	N/A	67.8	72.0	67.8	71.0	71.0	2.3		76.9	72.0	74.5	73	3
49	BMW	323i	83	1.12	1.64	4		1.82		73.2		68.6		73.2	68.6	71.7	72.0		73.5			73.5	73	
50	BMW	323i	83	1.12	1.64	4		1.84		75.3		69.0		75.3	69.0	73.3	73.0	1.6	75.6			75.6	75	2.1

Delta (AM-OE)

$R^2 = 0.9538$

