

passenger track usage charges

APPENDIX 2

Passenger vehicle usage charges

06/07 prices. CP4 tariffs at end CP4 efficiency. CP3 tariffs from CP3 settlement

Tariffs in pence per vehicle-mile (p/vm)

As set out in the main document we propose CP4 tariffs based on the CP4 network wide p/vm column.

We include a comparison with current CP3 tariffs for reference purposes.

As requested by ORR, we also provide calculations for England/Wales and Scotland, for information.

NOTE: this version is updated 10 April 2008 to correct an error in the '% change from CP3' formula in the original 3 April 2008 version

Vehicle class	Type	Tare (tonne) inc passengers	Max speed (m/hr)	Opg speed (m/hr)	Axles	USM	Curving class	CP4 network wide p/vm	CP3 (p/vm)	%change from CP3	CP4 England and Wales (p/vm)	CP4 Scotland (p/vm)
008/0	Loco	50.00	15.0	2.2	3.00	3844.00	Shunter	2.51	3.04	-17.3%	2.47	2.89
031/4	Loco	109.80	90.0	46.1	6.00	3370.00	Loco3_50	29.73	52.39	-43.3%	29.19	35.32
037/0	Loco	105.00	80.0	37.7	6.00	3556.00	Loco3_50	24.20	42.53	-43.1%	23.80	28.30
037/4	Loco	105.00	80.0	37.7	6.00	3556.00	Loco3_50	24.20	42.53	-43.1%	23.80	28.30
043/0	Loco	70.00	125.0	75.3	4.00	2200.00	Loco2_50	38.35	42.65	-10.1%	37.85	44.98
047/0	Loco	120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	74.66	-42.8%	41.76	52.41
047/4	Loco	120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	74.66	-42.8%	41.76	52.41
047/7	Loco	120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	74.66	-42.8%	41.76	52.41
050/0	Loco	100.00	90.0	71.6	6.00	3500.00	Loco3_50	34.48	61.16	-43.6%	33.84	41.11
057/3	Loco	120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	74.66	-42.8%	41.76	52.41
057/6	Loco	120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	74.66	-42.8%	41.76	52.41
067/0	Class 67 loco	90.00	125.0	80.9	4.00	2100.00	Loco2_50	59.03	74.97	-21.3%	57.64	74.73
073/0	Loco	76.80	90.0	71.6	4.00	3302.00	Loco2_50	43.98	52.40	-16.1%	43.31	52.33
073/2	Loco	76.80	90.0	71.6	4.00	3302.00	Loco2_50	43.98	52.40	-16.1%	43.31	52.33
087/0	Loco	83.20	110.0	79.1	4.00	2700.00	Loco2_50	51.67	64.38	-19.7%	50.67	63.42
090/0	Loco	85.00	110.0	82.6	4.00	2700.00	Loco2_50	55.09	69.74	-21.0%	53.93	68.33
091/0	Loco	82.00	140.0	96.6	4.00	1740.00	Loco2_50	54.85	68.64	-20.1%	53.65	68.56
091/1	Loco	82.00	140.0	98.2	4.00	1740.00	Loco2_50	55.47	68.64	-19.2%	54.24	69.45
098/6		120.00	95.0	59.1	6.00	3600.00	Loco3_50	42.70	17.44	144.9%	41.76	52.41
099/0		120.00	95.0	59.1	6.00	3600.00	Loco2_50	56.03	68.64	-18.4%	55.11	67.00
1	Coach	42.00	75.0	56.3	4.00	1700.00	Coach_8	7.29	12.74	-42.8%	7.19	8.29
2	Coach	37.20	100.0	70.6	4.00	1260.00	Coach_12_40	7.93	11.57	-31.5%	7.81	9.07
3	Coach	36.80	125.0	77.7	4.00	1260.00	Coach_16_40	8.85	12.11	-26.9%	8.73	10.13
4	Coach	45.20	140.0	96.5	4.00	1860.00	Coach_60_50	16.07	20.83	-22.9%	15.85	18.51
121/M	Dies MU	40.80	75.0	35.4	4.00	2000.00	Coach_12_40	6.74	9.27	-27.3%	6.64	7.71
142/M	Dies MU	28.20	75.0	36.8	2.00	1900.00	Pacer_10	5.34	9.59	-44.3%	5.25	6.20
143/M	Dies MU	27.80	75.0	37.8	2.00	1900.00	Pacer_10	5.31	9.54	-44.3%	5.23	6.16

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144/M	Dies MU	28.00	75.0	37.0	2.00	1900.00	Pacer_10	5.31	9.52	-44.2%	5.22	6.16
150/M	Dies MU	40.80	75.0	40.3	4.00	1300.00	Coach_12_40	6.76	9.30	-27.3%	6.66	7.75
153/M	Dies MU	42.40	75.0	41.1	4.00	1300.00	Coach_12_40	7.12	9.99	-28.7%	7.02	8.16
155/M	Dies MU	43.20	75.0	38.6	4.00	1300.00	Coach_12_40	7.06	9.88	-28.5%	6.96	8.10
156/M	Dies MU	42.80	75.0	42.8	4.00	1300.00	Coach_12_40	7.34	10.41	-29.5%	7.23	8.41
158/M	Dies MU	40.80	90.0	54.0	4.00	1924.00	Coach_12_40	8.21	12.13	-32.3%	8.09	9.39
159/M	Dies MU	39.20	90.0	58.2	4.00	1924.00	Coach_12_40	8.12	11.97	-32.1%	8.01	9.29
165/M	Dies MU	43.20	75.0	48.0	4.00	1924.00	Coach_12_40	8.28	12.25	-32.4%	8.16	9.48
166/M	Dies MU	43.20	75.0	53.0	4.00	1924.00	Coach_12_40	8.71	13.07	-33.4%	8.58	9.97
168/M	Dies MU	42.80	100.0	55.6	4.00	2185.00	Coach_12_40	8.99	13.62	-34.0%	8.86	10.29
170/M	Dies MU	45.20	100.0	63.9	4.00	1553.00	Coach_12_50	9.84	15.28	-35.6%	9.69	11.33
171/M	S.Central cl.171 Motor (ex 170/7)	45.20	100.0	55.2	4.00	1553.00	Coach_12_50	9.10	15.28	-40.4%	8.97	10.46
175/M	Dies MU	54.00	100.0	63.9	4.00	1824.00	Coach_50_50	16.00	20.97	-23.7%	15.77	18.56
180/M	Class 180 DMU	56.00	125.0	80.9	4.00	1879.00	Coach_50_50	18.98	26.40	-28.1%	18.67	22.24
185/M	Class 185 Motor (3/unit)	60.04	100.0	55.2	4.00	1833.00	Coach_50_50	16.98	23.21	-26.8%	16.72	19.82
220/M	Class 220 DMU	52.40	90.0	46.1	4.00	1338.00	Coach_26_50	11.78	22.19	-46.9%	11.60	13.60
221/M	Class 221 DMU	60.00	90.0	46.1	4.00	1830.00	Coach_50_60	16.37	29.63	-44.8%	16.12	19.01
222/M	Class 222 (9 car unit)	53.20	110.0	65.0	4.00	1375.00	Coach_26_50	14.21	23.11	-38.5%	13.99	16.54
313/M	Elec MU	39.60	75.0	23.2	4.00	2000.00	Coach_17_40	6.18	6.73	-8.2%	6.09	7.08
313/T	Elec MU	35.20	75.0	23.2	4.00	1340.00	Coach_17_40	5.41	5.22	3.6%	5.34	6.22
314/M	Elec MU	38.00	75.0	29.4	4.00	2000.00	Coach_17_40	6.51	7.37	-11.7%	6.42	7.45
314/T	Elec MU	36.80	75.0	29.4	4.00	1340.00	Coach_17_40	6.08	6.52	-6.8%	5.99	6.97
315/M	Elec MU	38.80	75.0	36.1	4.00	3000.00	Coach_17_40	7.52	9.37	-19.7%	7.42	8.59
315/T	Elec MU	32.80	75.0	36.1	4.00	1260.00	Coach_17_30	5.61	6.17	-9.1%	5.54	6.41
317/M	Elec MU	52.80	100.0	44.6	4.00	2870.00	Coach_35_50	13.26	17.23	-23.0%	13.07	15.25
317/T	Elec MU	32.40	100.0	44.6	4.00	1300.00	Coach_17_30	6.03	6.99	-13.8%	5.95	6.87
318/M	Elec MU	54.80	90.0	48.4	4.00	2900.00	Coach_35_50	14.40	19.36	-25.6%	14.19	16.61
318/T	Elec MU	33.20	90.0	48.4	4.00	1300.00	Coach_17_30	6.36	7.64	-16.8%	6.28	7.25
319/M	Elec MU	53.20	100.0	53.5	4.00	2975.00	Coach_35_50	14.64	19.84	-26.2%	14.43	16.88
319/T	Elec MU	32.80	100.0	53.5	4.00	1225.00	Coach_17_30	6.50	7.91	-17.8%	6.42	7.41
320/M	Elec MU	55.60	75.0	31.2	4.00	2975.00	Coach_15_60	10.17	14.84	-31.4%	10.02	11.71
320/T	Elec MU	32.80	75.0	31.2	4.00	1225.00	Coach_15_30	5.16	5.59	-7.8%	5.09	5.90
321/M	Elec MU	55.60	100.0	57.3	4.00	2975.00	Coach_15_60	14.15	22.34	-36.7%	13.93	16.44
321/T	Elec MU	32.80	100.0	57.3	4.00	1225.00	Coach_15_30	6.53	8.28	-21.2%	6.44	7.44
322/M	Elec MU	55.60	100.0	57.3	4.00	2975.00	Coach_15_60	14.15	22.34	-36.7%	13.93	16.44
322/T	Elec MU	32.80	100.0	57.3	4.00	1225.00	Coach_15_30	6.53	8.28	-21.2%	6.44	7.44
323/M	Elec MU	40.80	75.0	40.6	4.00	1700.00	Coach_15_40	7.51	9.82	-23.6%	7.40	8.59
323/T	Elec MU	39.10	75.0	40.6	4.00	1340.00	Coach_15_40	6.98	8.80	-20.6%	6.89	8.00
333/M	Class 333 Motor Car (2/Unit)	52.80	100.0	55.2	4.00	1639.00	Coach_12_50	11.30	17.96	-37.1%	11.12	13.10
333/T	Class 333 Trailer Car (1/Unit)	45.20	100.0	55.2	4.00	1577.00	Coach_12_50	9.12	13.91	-34.4%	8.99	10.48
334/M	Class 334 Motor Car (2/Unit)	50.00	90.0	46.1	4.00	1765.00	Coach_50_50	12.67	14.78	-14.3%	12.50	14.55
334/T	Class 334 Trailer Car (1/Unit)	44.00	90.0	46.1	4.00	1414.00	Coach_50_40	10.14	11.59	-12.5%	10.01	11.59

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350/M	Class 350 Motor (2/unit) (@ 70kg)	51.42	100.0	55.2	4.00	1909.00	Coach_12_50	11.13	17.69	-37.1%	10.96	12.87
350/T	Class 350 Trailer (2/unit) (@70kg)	43.43	100.0	55.2	4.00	1798.00	Coach_12_40	8.87	13.39	-33.7%	8.74	10.17
357/M	Class 357 Motor Car (3/Unit)	43.60	100.0	55.2	4.00	1470.00	Coach_12_40	8.67	12.98	-33.2%	8.54	9.94
357/T	Class 357 Trailer Car(1/Unit)	43.20	100.0	55.2	4.00	1310.00	Coach_12_40	8.43	12.51	-32.6%	8.31	9.68
360/M	Class 360 Motor (2/unit)	50.46	100.0	55.2	4.00	1811.00	Coach_12_50	10.76	17.00	-36.7%	10.60	12.43
360/T	Class 360 Trailer (2/unit)	44.79	100.0	55.2	4.00	1537.00	Coach_12_40	9.02	13.64	-33.9%	8.89	10.36
365/M	Elec MU	39.20	100.0	43.8	4.00	2000.00	Coach_12_40	7.11	10.00	-28.9%	7.01	8.13
365/T	Elec MU	31.60	100.0	43.8	4.00	1400.00	Coach_12_30	5.41	6.75	-20.0%	5.33	6.17
373/O	373/L	103.80	140.0	98.2	6.00	2700.00	Loco2_50	58.42	78.97	-26.0%	57.44	70.00
375/M	Data ex Adtranz	45.00	100.0	55.2	4.00	1470.00	Coach_12_50	8.98	15.18	-40.8%	8.85	10.32
375/T	Connx cl 375/3 Trailer (1/unit)	38.68	100.0	55.2	4.00	1325.00	Coach_12_40	7.41	11.39	-34.9%	7.30	8.48
376/M	SET cl.376 Motor (4/unit)	42.51	75.0	33.8	4.00	1473.00	Coach_12_40	6.63	15.18	-56.3%	6.53	7.59
376/T	SET cl.376 Trailer (1/unit)	40.14	75.0	33.8	4.00	1325.00	Coach_12_40	6.15	11.39	-46.0%	6.06	7.05
377/M	S.cl 377/1 Motor (3/unit) (@70kg)	46.61	100.0	55.2	4.00	1257.00	Coach_12_50	9.19	14.23	-35.4%	9.05	10.59
377/T	S.cl 377/1 Trailer (1/unit) (@70kg)	39.62	100.0	55.2	4.00	1093.00	Coach_12_40	7.42	11.05	-32.8%	7.31	8.51
390/M	using latest data ex Virgin (@125).	56.32	125.0	80.9	4.00	1835.00	Tilting_50_50	19.02	29.90	-36.4%	18.71	22.32
390/T	using latest data ex Virgin (@125).	54.44	125.0	80.9	4.00	1699.00	Tilting_50_50	18.01	27.82	-35.3%	17.72	21.05
421/M	Elec MU	51.60	90.0	44.2	4.00	3100.00	Coach_12_50	10.59	16.76	-36.8%	10.44	12.18
421/T	Elec MU	36.80	90.0	44.5	4	1430.00	Coach_12_40	6.41	8.62	-25.7%	6.31	7.33
423/M	Elec MU	52.00	90.0	42.2	4	3100.00	Coach_12_50	10.44	16.45	-36.6%	10.28	12.00
423/T	Elec MU	36.00	90.0	42.2	4	1430.00	Coach_12_40	6.12	8.06	-24.1%	6.03	7.01
442/M	Elec MU	51.60	100.0	59.4	4	3230.00	Coach_12_50	12.61	20.56	-38.7%	12.42	14.55
442/T	Elec MU	37.60	100.0	59.4	4	1325.00	Coach_12_40	7.43	10.61	-30.0%	7.32	8.50
444/M	SWT cl.444 Motor (2/unit)	56.55	100.0	55.2	4	1909	Coach_24_60	15.04	20.67	-27.3%	14.80	17.52
444/T	SWT cl.444 Trailer (3/unit)	45.04	100.0	55.2	4	1798	Coach_24_50	11.12	14.16	-21.5%	10.96	12.77
450/M	Class 450 Motor (2/unit)	52.74	100.0	55.2	4	1909	Coach_24_50	13.40	18.44	-27.3%	13.20	15.50
450/T	Class 450 Trailer (2/unit)	43.26	100.0	55.2	4	1798	Coach_24_40	10.25	13.30	-22.9%	10.12	11.73
455/M	Elec MU	49.60	75.0	30.3	4	3000	Coach_35_50	10.62	12.20	-13.0%	10.48	12.15
455/T	Elec MU	32.00	75.0	30.3	4	1260	Coach_17_30	5.18	5.30	-2.3%	5.11	5.92
456/M	Elec MU	44.80	75.0	26.2	4	3000	Coach_12_40	6.85	9.48	-27.8%	6.75	7.83
456/T	Elec MU	34.00	75.0	26.2	4	1260	Coach_12_30	4.68	5.29	-11.6%	4.61	5.36
458/M	Elec MU	50.00	75.0	33.8	4	1662	Coach_80_50	11.58	11.88	-2.5%	11.44	13.24
458/T	Elec MU	38.80	75.0	33.8	4	1438	Coach_80_40	8.42	7.81	7.8%	8.32	9.59
460/M	Class 460 Motor Car (5/Unit)	47.60	90.0	46.1	4	1666	Coach_80_50	12.43	14.97	-16.9%	12.28	14.22
460/T	Class 460 Trailer Car (3/Unit)	38.00	90.0	46.1	4	1438	Coach_80_40	9.17	10.25	-10.6%	9.06	10.44
465/M	Elec MU	39.20	75.0	28.4	4	3100	Coach_15_40	6.67	8.20	-18.7%	6.57	7.62
465/T	Elec MU	31.60	75.0	28.4	4	1239	Coach_15_30	4.85	4.97	-2.5%	4.78	5.55
466/M	Elec MU	39.20	75.0	28.5	4	3000	Coach_15_40	6.66	8.18	-18.6%	6.56	7.61
466/T	Elec MU	31.60	75.0	33.8	4	1250	Coach_15_30	5.15	5.01	2.9%	5.08	5.89
489/M	Elec MU	42.40	90.0	46.1	4	3100	Coach_12_40	8.49	12.69	-33.1%	8.37	9.69
507/M	Elec MU	40.00	75.0	28.1	4	3000	Coach_17_40	7.00	8.35	-16.1%	6.90	8.00
507/T	Elec MU	30.20	75.0	28.1	4	1260	Coach_17_30	4.83	4.63	4.3%	4.77	5.53

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508/M	Elec MU	40.00	75.0	30.4	4	3000	Coach_17_40	7.23	8.79	-17.8%	7.13	8.26
508/T	Elec MU	30.20	75.0	30.4	4	1260	Coach_17_30	4.96	4.88	1.6%	4.89	5.67
D	Coach	37.20	100.0	70.6	4	1260	Coach_12_40	7.95	11.57	-31.3%	7.84	9.10
V	DVT (Virgin)	45.00	100.0	77.7	4	1500	Coach_80_50	14.35	17.18	-16.5%	14.16	16.46
W	DVT (GNER)	45.00	140.0	96.5	4	1500	Coach_80_50	15.79	19.88	-20.6%	15.57	18.18
Y	Coach	36.80	125.0	77.7	4	1260	Artic2_80	13.01	12.11	7.4%	12.90	14.64