

Annex A – Exchange rates and VAT rates

A.1 The exchange rates and VAT rates used in this study are shown in Table A1.

Table A1: Exchange rates and VAT rates

Country	Current exchange rate ¹	PPP factor ¹	PPP exchange rate	VAT rate (%)
France	0.62	1.14	0.70	19.6
Germany	0.62	1.14	0.70	16
Italy	0.62	1.35	0.83	20
Sweden	0.07	1.01	0.07	25
UK	1.00	1.00	1.00	17.5

¹ OECD figures

A.2 All results are presented using Purchasing Power Parity (PPP) exchange rates. This means that the exchange rate is offset by the PPP factor given in Table A1.

Annex B – Updated mobile baskets

B.1 This annex contains the details of the updated basket parameters which have been used in this report.

B.2 The baskets used have been developed by Oftel to input into its work on monitoring mobile prices in the UK. A total of 41 baskets have been developed. These have been derived by considering five levels of usage with four calling patterns for each usage level. The final basket is for a consumer with close to zero usage. In this report 20 profiles are used. These consist of five levels of usage with two calling patterns. The patterns used are: mainly peak use and mainly off-peak use. The patterns not included are: 'combination' users (ie consumers whose calls are relatively evenly spread over time of day and day of the week), and 'texters', whose calling pattern for voice is relatively similar to the 'off-peak' consumers, but who make greater use of SMS messaging.

B.3 The usage baskets are made up of a number of parameters which describe:

- call volumes per annum:
 - number of voice calls;
 - number of calls to voice mail; and
 - number of SMS messages;
- the split of call volumes by call type:
 - calls to fixed lines – this is further split between 'local' and 'long distance' to accommodate a small number of tariffs that have lower rates within a specified 'local' area;
 - calls to other mobile phones – this is further split between on and off-net calls; and
 - international calls;
- the split of calls by time of day and day of the week; and
- the average call length.

B.4 Table B1 summarises the data relating to call volumes and the split by call type.

Table B1: Summary of call volumes and split of calls by call type for each basket

Basket number	Basket name	Calls per annum	Min per annum	Local %	Nat'l %	Mobile %	Int'l %	Voice-mail calls (no)	SMS calls (no)
1	Q1 day	28	85	54.1	18.0	27.3	0.5	3	85
2	Q1 off-peak	30	91	45.9	15.3	37.7	1.1	3	305
3	Q2 day	68	204	49.6	16.5	33.3	0.5	8	211
4	Q2 off-peak	71	213	40.7	13.6	44.6	1.1	9	474
5	Q3 day	122	365	42.4	14.1	43.0	0.5	18	314
6	Q3 off-peak	122	367	39.9	13.3	45.7	1.1	20	518
7	Q4 day	269	806	46.4	15.5	37.6	0.5	54	246
8	Q4 off-peak	271	814	40.4	13.5	45.0	1.1	65	670
9	Q5 day	870	2,609	40.0	13.3	44.7	1.9	348	380
10	Q5 off-peak	1,215	3,646	42.3	14.1	42.2	1.4	377	920

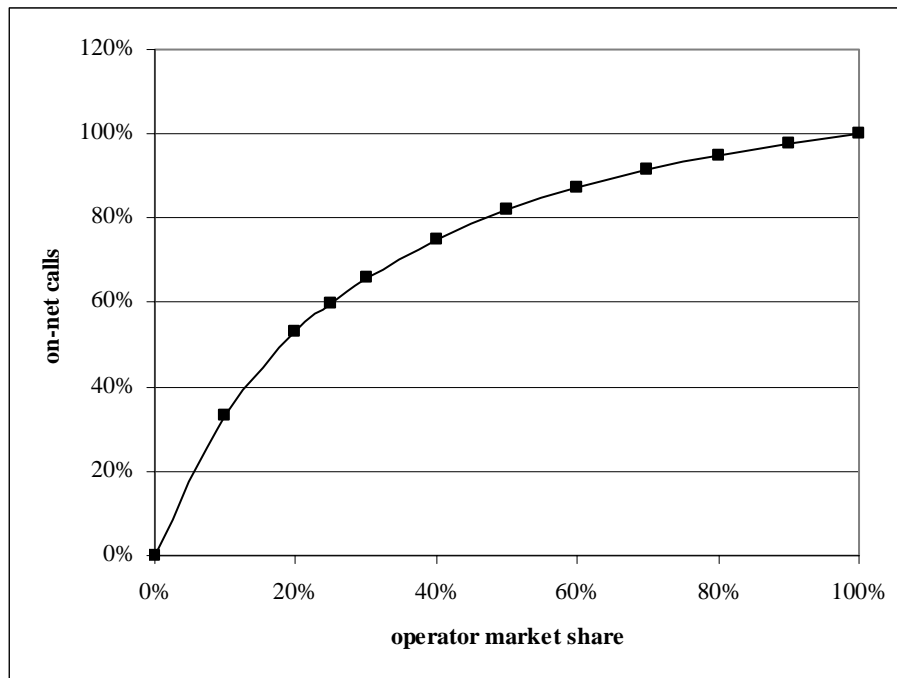
B.5 An average call length of three minutes has been used for all call types apart from voice mail calls which are assumed to have an average duration of one minute.

B.6 The split of calls to mobile between on and off-net is expected to show some relationship with the market share of the operator used. For example, if an operator has close to 100% market share then a consumer using this operator is likely to make a very large proportion of their calls to mobile 'on-net'. Conversely a consumer using an operator who has a very small share of the mobile market, is likely to find that most of their calls to other mobile users are 'off-net'. However, an important factor is also likely to be the 'calling circle effect', whereby friends/family purchase services from the same operator in order to benefit from cheaper on-net call rates. This will also apply to businesses. In the UK, the four operators all have relatively equal market shares. The proportion of on-net calls is approximately 60%.

B.7 The proportion of calls to mobile has been modelled using a simple formula based both on an operator's market share and a 'propensity to call on-net' factor. The split of calls given by this formula for different levels of market share is shown in figure B1. The formula has the properties:

- proportion of on-net calls tends to 100% as market share tends to 100% and tends to zero as market share tends to zero; and
- proportion of on-net calls is 60% for a market share of 25%.

Figure B1: Proportion of on-net calls vs operator market share



B.8 Table B.2 shows the split of calls by time of day and day of the week for each basket.

Table B2: Split of calls by time of day and day of the week.

Basket number	Basket	We 11:00	We 15:00	We 22:00	We 03:00	Sa 11:00	Su 15:00	Total
1	Q1 day	45.5	45.5	1.5	1.5	3	3	100
2	Q1 off-peak	4.5	4.5	19	19	26.5	26.5	100
3	Q2 day	44	44	2.5	2.5	3.5	3.5	100
4	Q2 off-peak	5	5	20.5	20.5	24.5	24.5	100
5	Q3 day	43.5	43.5	3	3	3.5	3.5	100
6	Q3 off-peak	5	5	23	23	22	22	100
7	Q4 day	43.5	43.5	3	3	3.5	3.5	100
8	Q4 off-peak	6	6	22	22	22	22	100
9	Q5 day	43.5	43.5	3	3	3.5	3.5	100
10	Q5 off-peak	5	5	25.5	25.5	19.5	19.5	100

Key:

We = weekday

Sa = Saturday

Su = Sunday

B.9 The main changes seen in the baskets are:

- lower call minute volumes for each usage quintile;
- higher levels of SMS messages;

- it has been decided to use the 'off-peak' baskets rather than the 'combination' baskets to provide a greater contrast with the peak baskets – hence greater weight is given to off-peak calls;
- a greater proportion of calls are to other mobiles rather than to fixed lines; and
- a greater weight given to on-net vs off-net calls.

B.10 The change in basket parameters does have some impact on the results. The results of the benchmarking exercise using August 2001 tariffs (published November 2001) have been rerun to check the impact of the change and to ensure that there is a consistent basis for examining changes in prices over the period August 2001 to February 2002. The results for the average index are shown in Table B.3. The UK's relative position is seen to be better on the basis of the updated tariffs.

Table B3: Average index for August 2001 tariffs on the basis of the original and the updated baskets.

Country	Aug-01	
	Original profiles	Updated profiles
France	94	104
Germany	91	100
Italy	122	129
Sweden	108	111
UK	100	100

Annex C – Detailed results for mobile baskets

C.1 The following tables show the detailed results for packages included in the study for each basket. Results for annual costs for the top 50 packages only are displayed. Results are split by:

- fixed charges ie monthly rental plus a proportion of connection charges¹;
- national call charges ie calls to fixed lines within the consumer's home country;
- mobile call charges (including both on and off-net calls);
- international call charges;
- SMS and voice mail charges;
- discounts (this includes the effect of included call time/call value within the tariff package); and
- a proportion of the cost of the handset.

¹ For some pre-pay packages, the fixed charge is negative. This is due to included call time/call value being provided when a consumer takes out a pre-pay package.

Basket 1, Q1 day

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2 Vodafone	44	20	11	0	11	0	0	86
Germany	Mobilcom	post	Super 4 Euro Inklusiv for T-D1	44	20	11	0	11	0	0	86
Germany	Mobilcom	post	Super 4 Euro for T-D1	44	20	11	0	11	0	0	86
Germany	Mobilcom	post	Super 4 Euro for D2 Vodafone	44	20	11	0	11	0	0	86
Germany	T-D1	post	Telly Smile	48	20	8	0	12	0	0	87
Germany	D2	post	D2 Sun	90	20	7	0	12	-40	0	90
Germany	Viag Interkom	post	Genion Starter	92	20	9	0	13	-42	0	92
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiger	92	20	9	0	13	-42	0	92
Germany	T-D1	post	Telly Smart	92	20	7	0	13	-40	0	92
Sweden	Comviq	post	Comviq Grund	25	21	8	0	29	0	13	97
Germany	Mobilcom	post	Super 9 Smile for D2 Vodafone	92	20	15	0	12	-43	0	97
Germany	Mobilcom	post	Super 9 Smile for T-D1	92	20	15	0	12	-43	0	97
France	Orange	post	l'Abonnement avec Compte Mobile	63	13	4	0	9	0	8	97
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	21	8	0	9	-29	0	100
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	9	5	0	8	0	82	107
Sweden	Europolitan Vodafone	post	Easy Abonnementang - Fritid	60	19	7	0	9	0	13	108
UK	One2One	pre	Pay As You Go	-2	13	6	1	8	0	82	109
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	9	5	0	8	0	82	109
Sweden	Europolitan Vodafone	post	Easy Abonnementang - SMS	60	19	7	0	9	0	13	109
France	Bouygues	pre	Recharge Nomad Small	0	29	11	0	9	0	59	109
Germany	T-D1	post	T-D1 Company Call	76	20	7	0	7	0	0	110
France	Bouygues	pre	Recharge Nomad Medium	15	20	7	0	9	0	59	111
UK	Orange	pre	Just Talk Plus	-2	15	7	0	9	0	82	112
UK	BT Cellnet	pre	Pay & Go Talkalot	-2	15	7	1	9	0	82	112
Germany	D2	pre	D2 CallYa White	0	15	8	1	12	0	77	113
UK	Vodafone	pre	Pay As You Talk Smartstep	-1	15	7	0	11	0	82	115
UK	BT Cellnet	pre	Pay & Go Original	-2	20	6	1	9	0	82	115
Germany	E-Plus	post	Der Privat Tarif	92	8	7	0	9	0	0	116
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	11	5	0	9	0	0	117
Sweden	Comviq	pre	Comviq Kontant	2	21	8	0	8	0	78	117
Germany	E-Plus	post	E-Plus Professional S	92	11	5	0	10	0	0	118
Italy	Omnitel	pre	Euro Italy	3	5	4	0	9	0	97	118
Sweden	Europolitan Vodafone	pre	CU	2	22	8	0	8	0	78	118
Germany	T-D1	pre	Xtra Go	0	20	9	1	12	0	77	118
Germany	E-Plus	pre	Free and Easy Card (Weekday)	0	21	8	1	12	0	77	119
Sweden	Telia	pre	Mobitel Refill	0	23	9	0	9	0	78	119
Germany	T-D1	pre	Xtra Plus	0	21	9	1	12	0	77	119
Germany	D2	pre	D2 CallYa Blue	0	21	9	1	12	0	77	120
Italy	Omnitel	pre	4 You	3	8	3	0	9	0	97	120
Germany	T-D1	post	T-D1 Company Data	99	10	4	0	7	0	0	120
Germany	D2	post	D2 Fun	113	20	7	0	8	-27	0	121
Sweden	Europolitan Vodafone	pre	Europolitan Easy Kontant	2	23	9	0	9	0	78	121
UK	Vodafone	pre	Pay As You Talk Allcalls	0	20	9	0	11	0	82	122
Germany	E-Plus	post	Time and More 20	114	21	8	0	9	-29	0	123
Germany	T-D1	post	T-D1 Company Basic	116	16	7	0	7	-23	0	123
Italy	Telecom Italia Mobile	pre	Autoricarica 190	3	9	4	0	12	0	97	125
UK	Vodafone	pre	Pay As You Talk Firststep	-1	23	10	0	11	0	82	125
Germany	Viag Interkom	post	Genion City	92	16	7	0	11	0	0	125
Italy	Blu	pre	Blu Open	5	10	4	0	9	0	97	125
Sweden	Comviq	post	Comviq Dag	69	10	4	0	29	0	13	126

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 2, Q1 off-peak

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Sweden	Comviq	post	Comviq Grund	25	5	4	0	50	0	13	98
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2	44	9	6	1	39	0	0	99
Germany	Mobilcom	post	Vodafone Super 4 Euro Inklusiv for T-D1	44	9	6	1	39	0	0	99
Germany	Mobilcom	post	Super 4 Euro for T-D1	44	9	6	1	39	0	0	99
Germany	Mobilcom	post	Vodafone Super 4 Euro for D2	44	9	6	1	39	0	0	99
Germany	T-D1	post	Telly Smile	48	6	6	1	41	0	0	102
Germany	D2	post	D2 Sun	90	6	6	1	43	-42	0	104
Germany	T-D1	post	Telly Smart	92	6	6	1	43	-43	0	105
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiger	92	6	6	1	43	-43	0	106
Germany	Viag Interkom	post	Genion Starter	92	6	7	1	43	-43	0	106
Germany	Mobilcom	post	Vodafone Super 9 Smile for D2	92	8	9	1	43	-43	0	110
Germany	Mobilcom	post	Super 9 Smile for T-D1	92	8	9	1	43	-43	0	110
Sweden	Europolitan Vodafone	post	Easy Abonnement - Fritid	60	4	4	0	31	-2	13	110
Sweden	Europolitan Vodafone	post	Easy Abonnement - SMS	60	5	4	0	31	0	13	113
Sweden	Comviq	pre	Comviq Kontant	2	4	4	0	26	0	78	114
France	Bouygues	pre	Recharge Nomad Small	0	15	9	0	32	0	59	117
Sweden	Europolitan Vodafone	pre	CU	2	5	4	0	27	0	78	117
Germany	T-D1	post	T-D1 Company Call	76	11	10	1	23	0	0	120
France	Orange France	post	l'Abonnement avec Compte Mobile	63	12	6	0	32	0	8	121
Sweden	Europolitan Vodafone	pre	Europolitan Easy Kontant	2	5	5	0	32	0	78	122
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	9	6	1	30	-15	0	122
UK	BT Cellnet	pre	Pay & Go Original	-2	4	6	1	31	0	82	123
Sweden	Telia	pre	Mobitel Refill	7	5	4	0	31	0	78	125
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	8	8	0	30	0	82	131
UK	Vodafone	pre	Pay As You Talk Firststep	-1	7	6	1	37	0	82	132
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	8	8	0	30	0	82	133
UK	One2One	pre	Pay As You Go	-2	12	9	1	30	0	82	133
Germany	T-D1	post	T-D1 Company Data	99	6	5	1	23	0	0	133
France	Bouygues	pre	Recharge Nomad Medium	25	10	6	0	32	0	59	134
UK	Vodafone	pre	Pay As You Talk Allcalls	0	7	7	1	37	0	82	134
Germany	E-Plus	post	Der Privat Tarif	92	4	5	1	33	0	0	135
UK	Orange	pre	Just Talk Plus	-2	14	11	0	31	0	82	136
Germany	T-D1	pre	Xtra One	0	10	6	1	41	0	77	136
Germany	D2	pre	D2 CallYa Red	0	10	6	1	43	0	77	137
UK	BT Cellnet	pre	Pay & Go Talkalot	-2	14	11	1	31	0	82	137
Sweden	Comviq	post	Comviq Joker	69	3	3	0	50	0	13	139
Germany	E-Plus	pre	Free and Easy Card (Weekend)	0	10	7	1	43	0	77	139
Germany	D2	pre	D2 CallYa Blue	0	11	7	1	43	0	77	139
Germany	E-Plus	pre	Free and Easy Card (Weekday)	0	11	7	1	43	0	77	139
Germany	D2	post	D2 Fun	113	6	6	1	26	-12	0	140
Germany	T-D1	post	T-D1 Company Basic	116	6	7	1	23	-13	0	140
Germany	T-D1	pre	Xtra Go	0	12	8	1	41	0	77	140
Germany	Viag Interkom	pre	Loop	0	10	9	1	43	0	77	140
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	10	7	1	30	0	0	140
Sweden	Comviq	post	Comviq Dag	69	4	3	0	50	0	13	140
Germany	Mobilcom	pre	Free and Easy Weekend for E-Plus	0	10	10	1	43	0	77	141
Germany	Mobilcom	pre	D2 Call Ya Starterpaket	0	10	10	1	43	0	77	141
Italy	Omnitel	pre	Euro Italy	3	5	5	0	31	0	97	141
Germany	Viag Interkom	post	Genion City	92	5	5	1	39	0	0	142
Italy	Omnitel	pre	4 You	3	7	5	0	32	0	97	144

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 3, Q2 day

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	45	23	1	22	-69	0	113
France	Orange France	post	l'Abonnement avec Compte Mobile	63	28	12	0	22	0	8	134
Germany	E-Plus	post	Time and More 20	114	45	23	1	23	-69	0	137
Germany	T-D1	post	T-D1 Company Basic	116	36	20	1	17	-50	0	140
Sweden	Comviq	post	Comviq Dag met Pott	85	32	17	0	42	-49	13	140
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	20	16	0	21	0	82	142
Germany	T-D1	post	Telly Smile	48	42	22	1	30	0	0	143
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	20	16	0	21	0	82	143
Germany	D2	post	D2 Sun	90	43	22	1	31	-42	0	145
Germany	T-D1	post	Telly Smart	92	44	20	1	31	-43	0	145
France	Bouygues	pre	Recharge Nomad Large	15	32	16	0	22	0	59	146
France	Orange France	pre	Plan Mobicarte Classique	0	47	16	1	22	0	59	146
France	Bouygues	pre	Recharge Nomad Medium	0	43	22	0	22	0	59	146
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2 Vodafone	44	43	30	1	28	0	0	146
Germany	Mobilcom	post	Super 4 Euro Inklusiv for T-D1	44	43	30	1	28	0	0	146
Germany	Mobilcom	post	Super 4 Euro for T-D1	44	43	30	1	28	0	0	146
Germany	Mobilcom	post	Super 4 Euro for D2 Vodafone	44	43	30	1	28	0	0	146
France	Bouygues	post	Mini Forfait	116	28	14	0	22	-43	8	147
Italy	Omnitel	pre	Euro Italy	7	11	11	0	22	0	97	148
UK	One2One	pre	Pay As You Go	-2	29	17	2	21	0	82	150
Sweden	Comviq	post	Comviq Grund	25	46	23	0	42	0	13	150
France	Bouygues	pre	La Carte Spot Small	0	46	23	0	22	0	59	150
Germany	Viag Interkom	post	Genion Starter	92	44	26	1	31	-43	0	151
Germany	T-D1	post	T-D1 Company Data	99	22	13	1	17	0	0	151
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiger	92	44	27	1	32	-43	0	152
Germany	E-Plus	post	Der Privat Tarif	92	17	19	1	23	0	0	152
France	Orange France	pre	Plan Mobicarte sur Mesure	0	54	17	1	22	0	59	152
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	25	15	1	22	0	0	154
Germany	D2	post	D2 Fun	113	43	20	1	19	-43	0	154
Italy	Omnitel	pre	4 You	8	17	9	0	23	0	97	154
Italy	WIND	pre	WIND Free	0	21	14	0	23	0	97	155
Germany	E-Plus	post	E-Plus Professional S	92	25	14	1	24	0	0	155
France	Orange France	post	Forfait 1H avec Compte Mobile	126	28	12	0	22	-40	8	157
UK	Orange	pre	Just Talk Plus	-2	34	21	0	22	0	82	157
Sweden	Europolitan Vodafone	post	Easy Abonnement - Fritid	60	41	21	0	23	-1	13	158
Germany	T-D1	post	T-D1 Company Call	76	45	19	1	17	0	0	158
UK	BT Cellnet	pre	Pay & Go Talkalot	-2	34	21	2	22	0	82	159
Sweden	Europolitan Vodafone	post	Easy Abonnement - SMS	60	42	21	0	23	0	13	159
Sweden	Comviq	post	Comviq Dag	69	22	12	0	42	0	13	159
Sweden	Comviq	post	Comviq Lokalabonnemang	85	11	15	0	35	0	13	160
UK	One2one	post	Just £9.99	120	30	18	1	21	-30	0	160
Italy	WIND	pre	Sempre Light	0	28	14	0	23	0	97	162
UK	BT Cellnet	pre	Pay & Go Original	-2	42	17	2	22	0	82	164
UK	Vodafone	pre	Pay As You Talk Smartstep	-1	34	21	1	27	0	82	164
Italy	Blu	pre	Blu Open	10	23	11	0	23	0	97	165
Italy	Telecom Italia Mobile	pre	Autoricarica 190	7	19	12	1	29	0	97	165
France	SFR	post	SFR Perso 16E	135	30	16	0	22	-47	8	165
Germany	D2	pre	D2 CallYa White	0	33	22	2	31	0	77	165
Germany	Mobilcom	post	Super 9 Smile for D2 Vodafone	92	45	43	1	31	-43	0	168
Germany	Mobilcom	post	Super 9 Smile for T-D1	92	45	43	1	31	-43	0	168

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 4, Q2 off-peak

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Inter-nat'l	SMS+ V'ce Mail	Disc	Handset	Total
Sweden	Comviq	post	Comviq Grund	25	11	11	1	68	0	13	128
Sweden	Europolitan Vodafone	post	Easy Abonnementang - Fritid	60	8	11	1	49	-5	13	136
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	19	15	2	48	-35	0	140
Sweden	Comviq	pre	Comviq Kontant	2	9	10	1	42	0	78	142
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2 Vodafone	44	18	18	2	61	0	0	143
Germany	Mobilcom	post	Super 4 Euro Inklusiv for T-D1	44	18	18	2	61	0	0	143
Germany	Mobilcom	post	Super 4 Euro for T-D1	44	18	18	2	61	0	0	143
Germany	Mobilcom	post	Super 4 Euro for D2 Vodafone	44	18	18	2	61	0	0	143
Sweden	Europolitan Vodafone	post	Easy Abonnementang - SMS	60	10	12	1	49	0	13	145
Germany	T-D1	post	Telly Smile	48	14	18	1	65	0	0	145
Sweden	Europolitan Vodafone	pre	CU	2	10	12	1	44	0	78	147
Germany	D2	post	D2 Sun	90	14	18	1	67	-42	0	148
Germany	T-D1	post	Telly Smart	92	14	16	1	68	-43	0	148
Sweden	Telia	pre	Mobitel Refill	0	11	11	1	49	0	78	149
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiger	92	14	18	1	68	-43	0	150
Germany	Viag Interkom	post	Genion Starter	92	14	18	1	68	-43	0	150
France	Bouygues	pre	Recharge Nomad Medium	2	21	18	1	50	0	59	152
Germany	T-D1	post	T-D1 Company Basic	116	13	19	1	37	-32	0	154
Germany	D2	post	D2 Fun	113	14	15	1	40	-29	0	155
Sweden	Europolitan Vodafone	pre	Europolitan Easy Kontant	2	11	13	1	50	0	78	155
UK	BT Cellnet	pre	Pay & Go Original	-2	10	16	3	48	0	82	158
Germany	Mobilcom	post	Super 9 Smile for D2 Vodafone	92	17	24	2	68	-43	0	160
Germany	Mobilcom	post	Super 9 Smile for T-D1	92	17	24	2	68	-43	0	160
France	Orange France	post	l'Abonnement avec Compte Mobile	63	24	16	1	50	0	8	163
Germany	T-D1	post	T-D1 Company Data	99	12	14	1	37	0	0	163
Sweden	Comviq	post	Comviq Joker	69	6	8	1	67	0	13	164
Germany	T-D1	post	T-D1 Company Call	76	24	27	1	37	0	0	165
Germany	E-Plus	post	Time and More 20	114	19	15	1	51	-35	0	165
Sweden	Comviq	post	Comviq Dag met Pott	85	27	23	1	67	-51	13	166
Germany	E-Plus	post	Der Privat Tarif	92	8	15	1	52	0	0	168
Sweden	Comviq	post	Comviq Dag	69	8	9	1	68	0	13	168
France	Bouygues	pre	Recharge Nomad Small	0	32	26	1	50	0	59	169
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	17	22	1	47	0	82	172
UK	Vodafone	pre	Pay As You Talk Firststep	-1	15	17	2	58	0	82	173
France	Bouygues	pre	Recharge Nomad Large	34	16	13	1	50	0	59	173
France	Orange France	pre	Plan Mobicarte sur Mesure	16	27	20	1	50	0	59	173
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	17	22	1	47	0	82	173
France	Orange France	pre	Plan Mobicarte Classique	0	41	23	1	50	0	59	174
France	Bouygues	post	Mini Forfait	116	24	20	1	50	-44	8	175
UK	Vodafone	pre	Pay As You Talk Allcalls	0	14	19	2	59	0	82	177
Italy	Omnitel	pre	Euro Italy	7	10	15	1	49	0	97	177
Germany	Viag Interkom	post	Genion City	92	11	14	1	61	0	0	180
UK	One2One	pre	Pay As You Go	-2	25	24	3	47	0	82	180
Germany	T-D1	post	Telly	114	14	15	1	38	0	0	181
France	Bouygues	pre	La Carte Spot Small	0	39	32	1	50	0	59	181
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	21	21	2	48	0	0	183
Sweden	Comviq	post	Comviq Lokalabonnementang	85	9	21	1	53	0	13	183
Italy	Omnitel	pre	4 You	8	14	13	1	50	0	97	183
Sweden	Telia	post	Mobitel Plus GSM	107	7	8	1	48	0	13	185
France	Orange France	post	Forfait 1H avec Compte Mobile	126	24	16	1	50	-41	8	185

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 5, Q3 day

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
France	Bouygues	post	Mini Forfait	116	43	33	1	33	-77	8	158
Sweden	Comviq	post	Comviq Dag met Pott	85	49	39	1	52	-80	13	158
France	Orange	post	Forfait 1H avec Compte	126	43	27	1	33	-70	8	168
Germany	Mobilcom	post	Mobile Time and More Inklusiv 20 for E-Plus	92	68	52	1	33	-77	0	169
France	Orange	post	l'Abonnement avec Compte	63	43	27	1	33	0	8	175
France	SFR	post	Mobile SFR Perso 16E	135	46	38	1	33	-84	8	177
France	Bouygues	pre	Recharge Nomad Large	0	49	37	1	33	0	59	179
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	31	37	1	31	0	82	184
Italy	Omnitel	pre	Euro Italy	12	17	24	1	34	0	97	185
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	31	37	1	31	0	82	185
Germany	Mobilcom	post	Time and More Inklusiv 60	157	68	52	1	33	-122	0	189
Germany	T-D1	post	T-D1 Company Data	99	34	29	1	26	0	0	189
Italy	Omnitel	pre	4 You	13	26	21	1	35	0	97	192
Sweden	Comviq	post	Comviq Joker med Pott	126	67	52	1	52	-119	13	192
Germany	E-Plus	post	Time and More 20	114	68	52	1	36	-77	0	193
Germany	E-Plus	post	Time and More 60	157	68	52	1	36	-120	0	193
Germany	T-D1	post	T-D1 Company Basic	116	54	47	1	26	-50	0	194
Sweden	Comviq	post	Comviq Lokalabonnemang	85	17	35	1	44	0	13	194
UK	One2one	post	Just £9.99	120	45	42	2	31	-45	0	195
Italy	WIND	pre	WIND Free	0	32	33	1	34	0	97	196
France	Bouygues	post	Forfait Flotte	132	26	20	1	30	-20	8	197
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	38	34	1	33	0	0	198
Germany	E-Plus	post	E-Plus Professional S	92	38	32	1	35	0	0	198
Germany	E-Plus	post	Der Privat Tarif	92	25	44	1	36	0	0	198
Sweden	Comviq	post	Comviq Dag	69	33	29	1	53	0	13	198
UK	One2One	pre	Pay As You Go	-2	45	40	3	31	0	82	199
France	Orange	pre	Plan Mobicarte Classique	0	72	37	1	33	0	59	203
Italy	WIND	pre	Sempre Light	0	43	32	1	34	0	97	206
France	Bouygues	pre	Recharge Nomad Medium	0	65	49	1	33	0	59	208
Germany	T-D1	post	Telly Smile	48	64	50	1	46	0	0	210
Germany	T-D1	post	Telly Smart	92	67	46	1	48	-43	0	211
Italy	Blu	pre	Blu Open	17	35	26	1	36	0	97	211
Germany	D2	post	D2 Sun	90	66	50	1	48	-42	0	213
UK	One2one	post	Anytime 20	156	21	26	2	31	-23	0	213
Italy	Telecom Italia Mobile	pre	Autoricarica 190	13	29	29	1	45	0	97	213
France	Orange	pre	Plan Mobicarte sur Mesure	0	81	39	1	33	0	59	213
UK	Orange	pre	Just Talk Plus	-2	52	48	0	33	0	82	214
Sweden	Comviq	post	T2 Norr	125	20	27	1	29	0	13	214
Germany	D2	post	D2 Fun	113	66	47	1	30	-43	0	214
Sweden	Comviq	post	Comviq Grund	25	70	54	1	53	0	13	215
France	Bouygues	pre	La Carte Spot Small	0	70	53	1	33	0	59	216
UK	Orange	post	Everytime 20 - excluding calls to other networks	156	21	30	0	33	-24	0	216
UK	BT Cellnet	pre	Pay & Go Talkalot	-2	52	49	3	33	0	82	217
Germany	T-D1	post	T-D1 Company Call	76	69	44	1	27	0	0	217
Sweden	Europolitan Vodafone	post	Easy Abonnemang - Fritid	60	62	49	1	35	-1	13	218
Italy	Telecom Italia Mobile	pre	Long TIM	14	35	27	1	45	0	97	219
France	Bouygues	pre	La Carte Spot Medium	42	48	36	1	33	0	59	219
France	SFR	pre	SFR La Carte - Tarif Unique	17	62	47	1	33	0	59	220
France	SFR	pre	SFR La Carte - Formule Soir & Week-End	1	71	54	1	33	0	59	220
Italy	Omnitel	pre	EuroCompany Ricaricabile	40	31	23	1	28	0	97	220

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 6, Q3 off-peak

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Sweden	Comviq	post	Comviq Grund	25	18	19	2	73	0	13	150
Sweden	Europolitan Vodafone	post	Easy Abonnement - Fritid	60	13	20	1	55	-9	13	153
Sweden	Comviq	pre	Comviq Kontant	2	16	18	2	48	0	78	163
Germany	T-D1	post	T-D1 Company Basic	116	23	33	2	41	-50	0	166
Sweden	Europolitan Vodafone	post	Easy Abonnement - SMS	60	17	22	1	55	0	13	168
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	32	27	3	54	-39	0	168
Germany	D2	post	D2 Fun	113	24	27	2	46	-43	0	169
Sweden	Europolitan Vodafone	pre	CU	2	17	22	2	50	0	78	170
Sweden	Telia	pre	Mobitel Refill	0	19	19	2	54	0	78	171
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2 Vodafone	44	30	32	3	68	0	0	178
Germany	Mobilcom	post	Super 4 Euro Inklusiv for T- D1	44	30	32	3	68	0	0	178
Germany	Mobilcom	post	Super 4 Euro for T-D1	44	30	32	3	68	0	0	178
Germany	Mobilcom	post	Super 4 Euro for D2 Vodafone	44	30	32	3	68	0	0	178
France	Bouygues	pre	Recharge Nomad Large	12	27	23	2	55	0	59	178
Germany	T-D1	post	Telly Smile	48	24	32	2	72	0	0	178
Sweden	Comviq	post	Comviq Dag met Pott	85	46	41	1	73	-80	13	179
Germany	T-D1	post	Telly Smart	92	24	28	3	76	-43	0	179
Sweden	Comviq	post	Comviq Joker	69	10	13	2	73	0	13	180
France	Bouygues	post	Mini Forfait	116	41	35	1	55	-76	8	180
Germany	D2	post	D2 Sun	90	24	31	2	75	-42	0	180
Sweden	Europolitan Vodafone	pre	Europolitan Easy Kontant	2	19	23	2	57	0	78	181
France	Bouygues	pre	Recharge Nomad Medium	0	36	31	2	55	0	59	183
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiniger	92	24	32	2	76	-43	0	183
Germany	Viag Interkom	post	Genion Starter	92	24	32	2	76	-43	0	184
UK	BT Cellnet	pre	Pay & Go Original	-2	18	28	6	54	0	82	186
Sweden	Comviq	post	Comviq Dag	69	14	16	1	73	0	13	187
Germany	T-D1	post	T-D1 Company Data	99	22	25	2	41	0	0	189
France	Orange France	post	Forfait 1H avec Compte Mobile	126	41	29	1	55	-70	8	190
Germany	E-Plus	post	Der Privat Tarif	92	14	26	2	58	0	0	193
Germany	E-Plus	post	Time and More 20	114	32	27	2	56	-38	0	194
France	Orange France	post	l'Abonnement avec Compte Mobile	63	41	29	1	55	0	8	197
France	Orange France	pre	Plan Mobicarte sur Mesure	0	45	36	2	55	0	59	197
France	SFR	post	SFR Perso 16E	135	44	40	1	55	-84	8	199
Sweden	Telia	post	Mobitel Plus GSM	107	12	14	1	53	0	13	201
Germany	Mobilcom	post	Super 9 Smile for D2 Vodafone	92	31	43	3	76	-43	0	201
Germany	Mobilcom	post	Super 9 Smile for T-D1	92	31	43	3	76	-43	0	201
UK	Vodafone	pre	Pay As You Talk Firststep	-1	25	30	3	65	0	82	204
UK	One2one	post	Just £9.99	120	8	30	3	52	-8	0	205
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	29	40	1	52	0	82	206
Germany	Viag Interkom	post	Genion City	92	20	25	2	68	0	0	207
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	29	40	1	52	0	82	207
Italy	Omnitel	pre	Euro Italy	13	16	26	1	55	0	97	208
Germany	T-D1	post	Telly	114	24	26	3	43	0	0	209
Germany	Mobilcom	post	Time and More Inklusiv 60	157	32	27	3	54	-62	0	210
Sweden	Comviq	post	Comviq Lokalabonnement	85	16	37	2	58	0	13	211
UK	Vodafone	pre	Pay As You Talk Allcalls	0	24	34	3	67	0	82	211
Germany	T-D1	post	T-D1 Company Call	76	43	47	2	43	0	0	212
Sweden	Comviq	post	Comviq Joker med Pott	126	12	15	2	73	-27	13	213
Italy	Omnitel	pre	4 You	13	24	22	1	57	0	97	214
Sweden	Comviq	post	T2 Norr	125	9	20	1	46	0	13	215

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 7, Q4 day

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
France	Orange	post	Forfait 1H avec Compte	126	105	52	1	26	-141	8	178
	France		Mobile								
France	SFR	post	SFR Perso 16E	135	112	73	2	26	-149	8	207
France	Bouygues	post	Mini Forfait	116	105	64	1	26	-114	8	207
France	Bouygues	post	Forfait Flotte	132	64	39	1	24	-48	8	219
Germany	E-Plus	post	Time and More 60	157	165	100	3	33	-238	0	220
Germany	Mobilcom	post	Time and More Inklusiv 60	157	165	100	3	32	-229	0	227
France	Bouygues	pre	Le Compte Recharge Nomad	0	88	53	2	26	0	59	228
France	Bouygues	post	Forfait Individuel Entreprises 1H	192	64	39	1	24	-92	8	236
France	Bouygues	post	Forfait Ado	206	133	81	1	26	-214	8	241
Germany	Mobilcom	post	Time and More Inklusiv 120 for E-Plus	217	165	100	3	32	-272	0	244
Italy	Omnitel	pre	Euro Italy	25	42	47	1	33	0	97	245
France	SFR	post	SFR Perso 25E	211	105	69	2	26	-174	8	246
France	SFR	post	SFR Entreprises - Forfait 50	202	63	38	1	12	-76	8	249
Sweden	Comviq	post	Comviq Lokalabonnemang	85	41	68	2	43	0	13	252
UK	One2one	post	Anytime 60	192	50	50	4	25	-67	0	253
France	Orange	post	l'Abonnement avec Compte	63	105	52	1	26	0	8	255
	France		Mobile								
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	75	71	1	25	0	82	256
Germany	E-Plus	post	Time and More 120	221	165	100	3	33	-265	0	257
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	75	71	1	25	0	82	258
UK	One2One	pre	Pay As You Go	-2	81	67	6	25	0	82	259
Sweden	Comviq	post	Comviq Dag met Pott	85	118	74	1	49	-80	13	260
UK	One2one	post	Anytime 20	156	50	50	4	25	-22	0	262
Italy	Omnitel	pre	4 You	28	62	41	1	34	0	97	262
Italy	Omnitel	pre	EuroCompany Ricaricabile	18	75	45	1	27	0	97	263
UK	Vodafone	pre	Pay As You Talk Nextstep	182	50	66	3	30	-149	82	264
Sweden	Comviq	post	T2 Norr	125	47	52	1	27	0	13	266
Germany	T-D1	post	T-D1 Company Data	99	82	56	2	26	0	0	266
Italy	Omnitel	post	Euro Italy	51	42	47	2	31	0	97	270
Italy	WIND	pre	WIND Free	0	77	64	1	31	0	97	270
UK	Orange	post	Talk 60	210	68	57	1	29	-96	0	270
Sweden	Comviq	post	Comviq Dag	69	81	55	1	50	0	13	271
UK	Orange	post	Everytime 20 - excluding calls to other networks	156	50	59	1	30	-24	0	271
France	Orange	post	Forfait Entreprises 1H	221	96	59	1	25	-139	8	272
	France										
France	Bouygues	pre	La Carte Spot Medium	0	116	70	2	26	0	59	273
France	SFR	post	SFR Entreprises - Forfait 100	252	63	38	1	12	-101	8	274
Germany	E-Plus	post	Der Privat Tarif	92	61	85	3	34	0	0	274
Germany	E-Plus	post	E-Plus Professional S	92	91	62	3	28	0	0	275
Germany	E-Plus	post	E-Plus Professional M	157	46	44	3	28	0	0	277
France	Bouygues	pre	Recharge Nomad Large	0	118	72	2	26	0	59	277
France	Bouygues	pre	La Carte Spot Large	55	84	51	2	26	0	59	277
France	Bouygues	post	Forfait 2 heures	245	105	64	1	26	-169	8	280
Germany	Mobilcom	post	Datenblatt Professional S for E-Plus	92	91	66	3	32	0	0	283
UK	Orange	pre	Just Talk Plus	-2	92	80	1	30	0	82	283
France	Bouygues	post	Forfait Individuel Entreprises 2H	254	64	39	1	24	-103	8	286
Germany	Mobilcom	post	Datenblatt Professional M for E-Plus	152	46	55	3	32	0	0	288
France	SFR	post	SFR Perso 30E	253	102	68	2	26	-169	8	288
UK	BT Cellnet	pre	Pay & Go Talkalot	-2	91	82	6	30	0	82	291
UK	One2one	post	Just £9.99	120	110	82	4	25	-48	0	292
Italy	WIND	pre	Sempre Light	0	103	63	1	31	0	97	294
France	Orange	post	Forfait Ajustable 2 heures	261	105	51	1	26	-156	8	297
	France										

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 8, Q4 off-peak

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Sweden	Europolitan Vodafone	post	Easy Abonnement - Fritid	60	32	45	3	75	-19	13	209
France	SFR	post	SFR Perso 16E	135	99	89	3	71	-187	8	217
Sweden	Comviq	post	Comviq Grund	25	43	44	4	93	0	13	222
France	Orange	post	Forfait 1H avec Compte Mobile	126	93	63	3	71	-139	8	224
Sweden	Comviq	post	Comviq Joker	69	25	31	3	91	0	13	233
Sweden	Comviq	pre	Comviq Kontant	2	38	41	4	71	0	78	233
Sweden	Comviq	post	Comviq Joker med Pott	126	30	35	3	91	-65	13	234
Sweden	Europolitan Vodafone	post	Easy Abonnement - SMS	60	41	49	3	75	0	13	241
Sweden	Telia	pre	Mobitel Refill	0	46	43	4	73	0	78	243
Sweden	Comviq	post	Comviq Dag	69	32	36	3	93	0	13	247
France	Bouygues	pre	Recharge Nomad Large	0	62	52	4	71	0	59	248
Sweden	Europolitan Vodafone	pre	CU	2	40	50	4	74	0	78	248
Germany	E-Plus	post	Time and More 60	157	73	61	5	76	-120	0	253
Germany	Mobilcom	post	Time and More Inklusiv 60	157	73	61	6	75	-119	0	253
France	Bouygues	post	Mini Forfait	116	93	77	3	71	-114	8	254
Sweden	Telia	post	Mobitel Plus GSM	107	29	33	3	70	0	13	255
Germany	T-D1	post	T-D1 Company Basic	116	53	73	5	59	-50	0	256
Germany	D2	post	D2 Fun	113	56	61	6	65	-43	0	257
Sweden	Europolitan Vodafone	pre	Europolitan Easy Kontant	2	46	53	4	83	0	78	265
Germany	T-D1	post	T-D1 Company Data	99	49	54	5	59	0	0	266
Germany	Mobilcom	post	Time and More Inklusiv 20 for E-Plus	92	73	61	6	75	-40	0	267
France	Bouygues	post	Forfait Flotte	132	56	47	3	64	-42	8	268
Germany	E-Plus	post	Der Privat Tarif	92	33	59	5	80	0	0	269
UK	One2one	post	Just £9.99	120	21	66	8	67	-10	0	271
UK	BT Cellnet	pre	Pay & Go Original	-2	42	63	13	73	0	82	271
Sweden	Comviq	post	T2 Norr	125	22	45	3	64	0	13	271
France	SFR	post	SFR Entreprises - Forfait 50	202	55	46	3	34	-76	8	272
France	Bouygues	pre	Le Compte Recharge Nomad	0	77	64	4	71	0	59	275
Germany	T-D1	post	Telly Smart	92	57	62	6	104	-43	0	277
France	Bouygues	post	Forfait Individuel Entreprises 1H	192	56	47	3	64	-92	8	278
Germany	T-D1	post	Telly Smile	48	56	71	6	99	0	0	279
Germany	D2	post	D2 Sun	90	56	69	6	103	-42	0	281
France	SFR	pre	SFR La Carte - Formule Soir & Week-End	0	82	69	4	71	0	59	285
UK	Vodafone	pre	Pay As You Talk Nextstep	182	44	79	7	73	-183	82	285
France	Bouygues	pre	Recharge Nomad Medium	0	83	69	4	71	0	59	286
Germany	Mobilcom	post	Super 4 Euro Inklusiv for D2 Vodafone	44	70	72	7	94	0	0	286
Germany	Mobilcom	post	Super 4 Euro Inklusiv for T-D1	44	70	72	7	94	0	0	286
Germany	Mobilcom	post	Super 4 Euro for D2 Vodafone	44	70	72	7	94	0	0	286
Germany	E-Plus	post	Der Privat Tarif fuer Einsteiger	92	57	72	5	104	-43	0	287
Germany	Viag Interkom	post	Genion Starter	92	57	72	6	104	-43	0	287
Sweden	Telia	post	Mobitel Foretag Bonus GSM mitt Foretag	131	33	35	3	72	0	13	287
France	Bouygues	post	Forfait Ado	206	117	98	3	71	-215	8	288
Germany	Mobilcom	post	Time and More Inklusiv 120 for E-Plus	217	73	61	6	75	-143	0	289
Sweden	Telia	post	Mobitel Foretag Bonus	132	35	36	3	70	0	13	289
Germany	Viag Interkom	post	Genion City	92	46	56	6	92	0	0	291
Germany	E-Plus	post	Time and More 20	114	73	61	5	76	-38	0	291
France	SFR	post	SFR Perso 25E	211	93	83	3	71	-176	8	292
Sweden	Comviq	post	Comviq Lokalabonnement	85	36	82	4	73	0	13	293
Germany	T-D1	post	Telly	114	57	58	6	61	0	0	294

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 9, Q5 day

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
France	Bouygues	post	Forfait Flotte	132	178	149	17	37	-134	8	387
France	Bouygues	post	Forfait 4 heures	328	166	193	17	40	-359	8	394
France	SFR	post	SFR Entreprises - Forfait 200	353	175	147	18	19	-302	8	418
France	Bouygues	post	Forfait Individuel Entreprises 3H	307	178	149	17	37	-277	8	420
France	Bouygues	post	Forfait Individuel Entreprises 4H	361	178	149	17	37	-328	8	423
France	SFR	post	SFR Entreprises - Forfait 150	302	175	147	18	19	-227	8	443
France	Orange France	post	Forfait Ajustable 4 heures	388	293	196	17	40	-490	8	453
France	Bouygues	post	Forfait Pro 4 heures	391	186	156	17	40	-341	8	457
France	SFR	post	SFR Perso 45E	379	235	231	19	40	-454	8	458
France	Bouygues	post	Forfait Individuel Entreprises 2H	254	178	149	17	37	-184	8	459
France	Orange France	post	Forfait Ajustable 3 heures	324	293	196	17	40	-413	8	466
Germany	E-Plus	post	Time and More 240	351	459	385	31	86	-844	0	468
France	SFR	post	SFR Entreprises - Forfait 100	252	175	147	18	19	-151	8	468
UK	Orange	post	Everytime 200	360	139	226	11	38	-301	0	473
France	SFR	post	SFR Pro 200	386	205	172	19	40	-354	8	476
France	Bouygues	post	Forfait Individuel Entreprises 5H	415	178	149	17	37	-328	8	477
UK	Orange	post	Talk 200	300	191	189	11	69	-282	0	478
UK	One2one	post	Anytime 200	300	70	167	45	38	-136	0	484
UK	One2one	post	Anytime Share 200	300	70	167	45	38	-136	0	484
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	118	232	15	38	0	82	487
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	118	232	16	38	0	82	489
France	Bouygues	post	Forfait Individuel Entreprises 1H	192	178	149	17	37	-92	8	489
France	Bouygues	post	Forfait Millennium 4H	425	191	166	17	40	-357	8	490
France	Orange France	post	Forfait Entreprises 3H	368	211	176	17	38	-327	8	492
France	Orange France	post	Forfait Entreprises 4H	428	211	176	17	38	-387	8	492
France	SFR	post	SFR Entreprises - Forfait 50	202	175	147	18	19	-76	8	493
France	SFR	post	SFR Entreprises - Forfait 300	454	175	147	18	19	-322	8	498
Germany	E-Plus	post	E-Plus Professional XL	221	78	129	31	43	0	0	502
France	Orange France	post	Forfait Ajustable 5 heures	451	176	118	17	40	-294	8	516
Sweden	Comviq	post	Tele2 FlatRate	206	83	135	16	63	0	13	517
UK	One2one	pre	Pay As You Go	-2	118	207	76	38	0	82	518
France	SFR	post	SFR Perso 35E	295	264	248	19	40	-355	8	519
UK	Vodafone	post	Vodafone 200	366	130	281	41	46	-340	0	524
Germany	E-Plus	post	E-Plus Professional M	157	127	170	31	43	0	0	527
France	Orange France	post	Forfait Entreprises 2H	299	211	176	17	38	-218	8	532
UK	Orange	pre	Just Talk Plus	-2	127	241	11	73	0	82	533
France	Orange France	post	Forfait Ajustable 2 heures	261	293	196	17	40	-276	8	541
UK	One2one	post	Anytime 60	192	139	192	45	38	-62	0	545
France	SFR	post	SFR Pro 300	479	166	139	19	40	-306	8	545
Italy	Omnitel	post	Euro Italy	51	116	181	19	81	0	97	546
France	Orange France	post	Forfait 1H avec Compte Mobile	126	293	199	17	40	-139	8	546
France	Bouygues	post	Forfait 2 heures	245	293	246	17	40	-303	8	546
UK	One2one	post	Anytime 20	156	139	192	45	38	-21	0	550
France	Orange France	post	Forfait Entreprises 5H	489	175	147	17	38	-322	8	552
France	Bouygues	pre	La Carte Spot Large	0	235	197	22	40	0	59	553
France	Bouygues	post	Forfait Pro 2 heures	276	264	221	17	40	-273	8	553
Sweden	Comviq	post	T2 Norr	125	132	202	16	72	0	13	560
UK	Vodafone	post	Vodafone 200 + 50 text messages	402	130	281	41	46	-340	0	560
France	SFR	post	SFR Perso 30E	253	284	260	19	40	-300	8	563
UK	One2one	post	Everyone 100	300	139	167	45	38	-126	0	563

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Basket 10, Q5 off-peak

Country	Operator	Post/pre	Package	Fixed	Nat'l	Mobile	Int'l	SMS+ V'ce Mail	Disc	Handset	Total
Sweden	Comviq	post	Comviq Joker med Pott	126	126	138	21	143	-121	13	446
Sweden	Comviq	post	Comviq Joker	69	105	122	21	143	0	13	474
France	SFR	post	SFR Perso 45E	379	346	305	19	97	-652	8	503
Sweden	Telia	post	Mobitel Plus GSM	107	129	132	19	103	0	13	504
Sweden	Europolitane Vodafone	post	Easy Abonnement - Fritid	60	137	183	18	137	-26	13	522
France	SFR	post	SFR Entreprises - Forfait 300	454	259	194	18	46	-453	8	526
France	Bouygues	post	Forfait Individuel Entreprises 5H	415	263	197	18	88	-460	8	529
France	Bouygues	post	Forfait Flotte	132	263	197	18	88	-163	8	543
UK	Orange	post	Talk 200	300	123	132	11	126	-149	0	544
UK	Orange	post	Everyday 50	180	90	230	11	130	-96	0	545
Sweden	Comviq	post	Comviq Dag	69	147	147	18	154	0	13	547
France	Bouygues	post	Forfait 4 heures	328	245	255	18	97	-401	8	550
France	SFR	post	SFR Perso 35E	295	390	328	19	97	-575	8	562
Sweden	Comviq	post	T2 Norr	125	99	188	16	121	0	13	562
UK	Orange	post	Talk 60	210	123	137	11	126	-46	0	562
France	Bouygues	post	Forfait Individuel Entreprises 4H	361	263	197	18	88	-369	8	567
France	Orange France	post	Forfait Ajustable 5 heures	451	260	155	18	97	-415	8	574
Sweden	Telia	post	Mobitel Foretag Bonus GSM mitt Foretag	131	151	145	19	115	0	13	575
Sweden	Telia	post	Mobitel Foretag Bonus	132	156	149	19	106	0	13	575
Sweden	Comviq	post	Comviq Grund	25	188	175	21	154	0	13	576
France	SFR	post	SFR Entreprises - Forfait 200	353	259	194	18	46	-302	8	576
Sweden	Telia	post	Mobitel Foretag GSM mitt Foretag	146	154	147	19	105	0	13	585
Sweden	Comviq	pre	Comviq Kontant	2	163	161	21	163	0	78	588
Sweden	Telia	post	Mobitel Volym	137	163	153	19	106	0	13	592
Sweden	Telia	pre	Mobitel Refill	0	201	172	22	120	0	78	593
Sweden	Telia	post	Mobitel Foretag GSM	147	160	151	19	106	0	13	596
France	SFR	post	SFR Entreprises - Forfait 150	302	259	194	18	46	-227	8	601
France	SFR	post	SFR Pro 300	479	245	184	19	97	-429	8	602
France	Bouygues	post	Forfait Individuel Entreprises 3H	307	263	197	18	88	-277	8	605
Sweden	Europolitane Vodafone	post	Easy Abonnement - SMS	60	181	198	18	137	0	13	607
France	Orange France	post	Forfait Entreprises 5H	489	259	194	18	93	-453	8	607
France	Bouygues	post	Forfait Pro 4 heures	391	274	205	18	97	-384	8	609
UK	One2one	post	Just £9.99	120	88	272	46	92	-9	0	610
UK	Vodafone	post	Vodafone Leisure 200	180	78	252	42	135	-76	0	611
Sweden	Telia	post	DOF 2 GSM	127	181	165	19	108	0	13	613
UK	One2one	post	Free Time	240	51	187	46	92	0	0	617
France	Bouygues	post	Forfait Millennium 4H	425	185	183	18	97	-295	8	621
UK	One2one	post	Anytime 200	300	103	220	46	92	-138	0	623
UK	One2one	post	Anytime Share 200	300	103	220	46	92	-138	0	623
Germany	E-Plus	post	Time and More 240	351	333	250	32	127	-467	0	625
France	SFR	post	SFR Entreprises - Forfait 100	252	259	194	18	46	-151	8	626
Sweden	Comviq	post	Tele2 FlatRate	206	122	178	16	99	0	13	636
France	Orange France	post	Forfait Ajustable 6 heures	514	260	155	18	97	-415	8	637
Germany	E-Plus	post	E-Plus Professional XL	221	115	170	32	103	0	0	642
UK	Virgin	pre	Virgin Mobile Pay As You Go	2	154	297	16	92	0	82	642
France	Bouygues	post	Forfait Pro 6 heures	520	245	184	18	97	-429	8	642
France	Bouygues	post	Forfait Individuel Entreprises 2H	254	263	197	18	88	-184	8	643
UK	BT Cellnet	post	Leisure time 600	180	109	250	48	130	-74	0	644
UK	Virgin	post	Virgin Mobile Pay Monthly by Direct Debit	3	154	297	16	92	0	82	644
UK	Vodafone	post	Vodafone Leisure 200 + 50 free text messages	216	78	252	42	135	-76	0	647

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Annex D – Detailed results for mobile roaming

D.1 The following tables shows the detailed results for the roaming benchmarking, by benchmarked operator and by visited country, for post and pre-pay tariffs. Costs are shown per annum.

Roaming basket – postpay

Country	Operator	Visited Country	Calls Received, £	Calls home, £	Calls within country, £	Total, £
France	Bouygues Telecom	Germany	48	143	25	216
France	Bouygues Telecom	Italy	48	143	25	216
France	Bouygues Telecom	Netherlands	48	143	25	216
France	Bouygues Telecom	Spain	48	143	25	216
France	Bouygues Telecom	Sweden	48	143	25	216
France	Bouygues Telecom	USA	171	239	28	438
France	Orange France	Germany	34	143	25	203
France	Orange France	Italy	34	143	25	203
France	Orange France	Netherlands	34	143	25	203
France	Orange France	Spain	34	143	25	203
France	Orange France	Sweden	34	143	25	203
France	Orange France	USA	56	186	25	267
France	SFR	Germany	35	138	24	198
France	SFR	Italy	35	138	24	198
France	SFR	Netherlands	35	139	25	199
France	SFR	Spain	35	137	24	196
France	SFR	Sweden	35	137	24	196
France	SFR	USA	101	172	30	303
Germany	D2 Vodafone	France	59	137	24	220
Germany	D2 Vodafone	Italy	59	138	24	222
Germany	D2 Vodafone	Netherlands	59	138	24	222
Germany	D2 Vodafone	Spain	59	137	24	220
Germany	D2 Vodafone	Sweden	59	137	24	220
Germany	D2 Vodafone	USA	194	249	31	474
Germany	T-D1	France	67	137	24	228
Germany	T-D1	Italy	67	138	24	229
Germany	T-D1	Netherlands	67	138	24	229
Germany	T-D1	Spain	67	137	24	228
Germany	T-D1	Sweden	67	137	24	228
Germany	T-D1	USA	121	228	30	379
Germany	E-Plus	France	57	173	21	250
Germany	E-Plus	Italy	57	149	16	221
Germany	E-Plus	Netherlands	57	156	19	232
Germany	E-Plus	Spain	57	163	23	243
Germany	E-Plus	Sweden	57	123	19	199
Germany	E-Plus	USA	73	248	31	351
Germany	Mobilcom	France	67	177	21	265
Germany	Mobilcom	Italy	67	136	15	217
Germany	Mobilcom	Netherlands	67	183	21	270
Germany	Mobilcom	Spain	67	181	26	274
Germany	Mobilcom	Sweden	67	142	24	232
Germany	Mobilcom	USA	202	350	35	587
Germany	Viag Interkom	France	67	173	21	260
Germany	Viag Interkom	Italy	67	158	16	241
Germany	Viag Interkom	Netherlands	67	157	19	243
Germany	Viag Interkom	Spain	67	162	22	251
Germany	Viag Interkom	Sweden	67	117	19	203
Germany	Viag Interkom	USA	67	253	31	350
Italy	Telecom Italia Mobile	France	44	162	24	230
Italy	Telecom Italia Mobile	Germany	44	161	17	221
Italy	Telecom Italia Mobile	Sweden	44	115	22	181

Country	Operator	Visited Country	Calls Received, £	Calls home, £	Calls within country, £	Total, £
Italy	Telecom Italia Mobile	Netherlands	44	160	21	225
Italy	Telecom Italia Mobile	Spain	44	153	28	225
Italy	Telecom Italia Mobile	USA	44	278	39	361
Italy	Omnitel	France	39	172	30	241
Italy	Omnitel	Germany	39	177	31	246
Italy	Omnitel	Sweden	39	137	24	199
Italy	Omnitel	Netherlands	39	179	32	250
Italy	Omnitel	Spain	39	172	30	241
Italy	Omnitel	USA	159	262	32	453
Italy	Wind	France	37	163	23	223
Italy	Wind	Germany	37	192	34	263
Italy	Wind	Sweden	37	144	24	205
Italy	Wind	Netherlands	37	344	39	420
Italy	Wind	Spain	37	183	25	246
Italy	Wind	USA	114	232	28	375
Italy	Blu	France	33	194	23	250
Italy	Blu	Germany	33	191	34	258
Italy	Blu	Sweden	33	137	21	192
Italy	Blu	Netherlands	33	204	23	260
Italy	Blu	Spain	33	138	22	194
Italy	Blu	USA	161	269	33	463
Sweden	Comviq	France	59	124	19	203
Sweden	Comviq	Germany	53	137	24	214
Sweden	Comviq	Italy	59	116	12	188
Sweden	Comviq	Netherlands	53	128	16	197
Sweden	Comviq	Spain	59	130	14	203
Sweden	Comviq	USA	161	189	23	374
Sweden	Europolitan	France	48	142	25	215
Sweden	Europolitan	Germany	48	142	25	215
Sweden	Europolitan	Italy	48	145	26	219
Sweden	Europolitan	Netherlands	48	147	26	221
Sweden	Europolitan	Spain	48	142	25	215
Sweden	Europolitan	USA	185	228	31	444
Sweden	Telia	France	53	147	17	218
Sweden	Telia	Germany	53	143	25	222
Sweden	Telia	Italy	53	125	13	191
Sweden	Telia	Netherlands	53	150	18	221
Sweden	Telia	Spain	53	136	17	207
Sweden	Telia	USA	185	224	27	437
UK	BT Cellnet	France	40	122	23	186
UK	BT Cellnet	Germany	40	122	23	186
UK	BT Cellnet	Italy	40	122	23	186
UK	BT Cellnet	Netherlands	40	122	23	186
UK	BT Cellnet	Spain	40	122	23	186
UK	BT Cellnet	Sweden	40	122	23	186
UK	BT Cellnet	USA	43	210	21	274
UK	Vodafone	France	42	135	24	201
UK	Vodafone	Germany	42	137	24	203
UK	Vodafone	Italy	42	137	24	203
UK	Vodafone	Netherlands	42	138	24	204
UK	Vodafone	Spain	42	135	24	201
UK	Vodafone	Sweden	42	135	24	201
UK	Vodafone	USA	132	271	31	434
UK	One to One	France	28	156	19	203
UK	One to One	Germany	28	154	27	209
UK	One to One	Italy	28	146	15	189
UK	One to One	Netherlands	28	141	18	187
UK	One to One	Spain	28	150	20	199
UK	One to One	Sweden	38	120	20	177
UK	One to One	USA	92	192	24	308
UK	Orange	France	43	122	22	187
UK	Orange	Germany	43	122	22	187

Country	Operator	Visited Country	Calls Received, £	Calls home, £	Calls within country, £	Total, £
UK	Orange	Italy	43	122	22	187
UK	Orange	Netherlands	43	122	22	187
UK	Orange	Spain	43	122	22	187
UK	Orange	Sweden	43	122	22	187
UK	Orange	USA	79	224	40	343
UK	Virgin	France	43	112	19	174
UK	Virgin	Germany	43	112	27	182
UK	Virgin	Italy	43	134	15	192
UK	Virgin	Netherlands	43	112	18	173
UK	Virgin	Spain	43	149	20	213
UK	Virgin	Sweden	43	112	20	175
UK	Virgin	USA	144	204	24	372

All prices are in UK£ based on tariffs valid at February 2002 and show cost per annum.

Roaming basket – prepay

Country	Operator	Visited Country	Calls Received, £	Calls home, £	Calls within country, £	Total, £
France	Bouygues Telecom	Germany	61	143	25	229
France	Bouygues Telecom	Italy	61	143	25	229
France	Bouygues Telecom	Netherlands	61	143	25	229
France	Bouygues Telecom	Spain	61	143	25	229
France	Bouygues Telecom	Sweden	61	143	25	229
France	Bouygues Telecom	USA	171	239	28	438
France	Orange France	Germany	66	215	25	306
France	Orange France	Italy	66	143	25	234
France	Orange France	Netherlands	66	143	25	234
France	Orange France	Spain	66	143	25	234
France	Orange France	Sweden	not available			
France	Orange France	USA	not available			
France	SFR	Germany	40	186	33	260
France	SFR	Italy	40	186	33	260
France	SFR	Netherlands	40	186	33	260
France	SFR	Spain	40	186	33	260
France	SFR	Sweden	40	186	33	260
France	SFR	USA	106	213	38	357
Germany	D2 Vodafone	France	82	194	34	310
Germany	D2 Vodafone	Italy	82	200	35	318
Germany	D2 Vodafone	Netherlands	82	200	35	318
Germany	D2 Vodafone	Spain	82	194	34	310
Germany	D2 Vodafone	Sweden	82	194	34	310
Germany	D2 Vodafone	USA	not available			
Germany	T-D1	France	80	185	40	305
Germany	T-D1	Italy	80	185	40	305
Germany	T-D1	Netherlands	80	185	40	305
Germany	T-D1	Spain	80	228	45	353
Germany	T-D1	Sweden	80	142	40	262
Germany	T-D1	USA	134	285	58	477
Germany	E-Plus	France	57	146	39	241
Germany	E-Plus	Italy	57	219	45	321
Germany	E-Plus	Netherlands	57	219	45	321
Germany	E-Plus	Spain	57	219	45	321
Germany	E-Plus	Sweden	57	219	45	321
Germany	E-Plus	USA	not available			
Germany	Viag Interkom	France	103	219	45	367
Germany	Viag Interkom	Italy	103	146	32	281
Germany	Viag Interkom	Netherlands	103	182	39	324
Germany	Viag Interkom	Spain	103	219	45	367
Germany	Viag Interkom	Sweden	103	146	32	281
Germany	Viag Interkom	USA	not available			
Italy	Telecom Italia Mobile	France	82	121	20	222
Italy	Telecom Italia Mobile	Germany	82	113	26	221
Italy	Telecom Italia Mobile	Sweden	82	111	24	216
Italy	Telecom Italia Mobile	Netherlands	82	114	12	208
Italy	Telecom Italia Mobile	Spain	82	145	20	246
Italy	Telecom Italia Mobile	USA	67	278	39	384
Italy	Omnitel	France	44	145	16	205
Italy	Omnitel	Germany	44	136	23	204
Italy	Omnitel	Sweden	44	134	13	190
Italy	Omnitel	Netherlands	44	137	15	196
Italy	Omnitel	Spain	44	173	17	235
Italy	Omnitel	USA	165	262	32	459
Italy	Wind	France	37	190	33	261
Italy	Wind	Germany	37	190	33	261

Country	Operator	Visited Country	Calls Received, £	Calls home, £	Calls within country, £	Total, £
Italy	Wind	Sweden	37	190	33	261
Italy	Wind	Netherlands	37	190	33	261
Italy	Wind	Spain	37	190	33	261
Italy	Wind	USA	114	190	33	337
Italy	Blu	France	40	144	16	200
Italy	Blu	Germany	41	133	23	196
Italy	Blu	Sweden	41	132	11	184
Italy	Blu	Netherlands	40	135	12	187
Italy	Blu	Spain	40	128	15	183
Italy	Blu	USA	168	269	33	471
Sweden	Comviq	France	59	90	14	163
Sweden	Comviq	Germany	53	98	17	168
Sweden	Comviq	Italy	59	116	12	188
Sweden	Comviq	Netherlands	53	90	9	153
Sweden	Comviq	Spain	59	123	10	193
Sweden	Comviq	USA	182	189	23	394
Sweden	Europolitan	France	49	114	14	177
Sweden	Europolitan	Germany	49	108	21	177
Sweden	Europolitan	Italy	49	138	17	204
Sweden	Europolitan	Netherlands	49	102	12	163
Sweden	Europolitan	Spain	49	134	16	200
Sweden	Europolitan	USA	178	228	31	437
Sweden	Telia	France	53	138	17	208
Sweden	Telia	Germany	53	127	22	202
Sweden	Telia	Italy	53	163	20	236
Sweden	Telia	Netherlands	53	137	16	206
Sweden	Telia	Spain	53	170	19	242
Sweden	Telia	USA	185	252	32	469
UK	BT Cellnet	France	215	202	54	470
UK	BT Cellnet	Germany	215	202	54	470
UK	BT Cellnet	Italy	215	202	54	470
UK	BT Cellnet	Netherlands	215	202	54	470
UK	BT Cellnet	Spain	215	202	54	470
UK	BT Cellnet	Sweden	215	202	54	470
UK	BT Cellnet	USA	not available			
UK	Vodafone	France	131	186	33	349
UK	Vodafone	Germany	134	190	33	357
UK	Vodafone	Italy	134	190	33	357
UK	Vodafone	Netherlands	136	192	34	362
UK	Vodafone	Spain	131	186	33	349
UK	Vodafone	Sweden	131	186	33	349
UK	Vodafone	USA	287	406	72	764
UK	One to One	France	216	202	54	472
UK	One to One	Germany	216	202	54	472
UK	One to One	Italy	216	202	54	472
UK	One to One	Netherlands	216	202	54	472
UK	One to One	Spain	216	202	54	472
UK	One to One	Sweden	216	202	54	472
UK	One to One	USA	216	202	54	472
UK	Orange	France	86	245	43	374
UK	Orange	Germany	86	245	43	374
UK	Orange	Italy	86	245	43	374
UK	Orange	Netherlands	86	245	43	374
UK	Orange	Spain	86	245	43	374
UK	Orange	Sweden	not available			
UK	Orange	USA	not available			

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