

MTR Benchmark snapshot (as of July 2011)

ASSUMPTIONS

The assumptions used in the benchmark exercise are the following:

- The benchmark includes fixed to mobile termination charges, in case there is difference between mobile to mobile termination charges.
- In order to obtain a homogenous comparison a three minute average call duration has been assumed.
- Only nominal tariffs are represented in the report, defining them as “The price (in euro/minute) set out by the regulator that works as the maximum price per minute which operators may charge each other (without any adjustment for purchasing power parity or real effects –inflation-).
- Traffic data (voice calls and number of minutes) and peak/off peak ratio is missing for some countries For those countries that have not set an average tariff and, additionally, apply distinct rates -one for the peak period, and another one for off-peak period-, total average tariff per operator has been calculated with the distribution of peak and off-peak traffic.
- Average MTR per country have been obtained by adding each operator’s average MTR multiplied by its market share, measured in terms of subscribers (bearing in mind that ‘subscribers’ may be defined differently).
- In the case of the European weighted average, only the countries that reported the number of subscribers are taken into account.
- The MTR charges are those applicable on 1st July 2011, though assumptions to calculate average charges (for example number of subscribers) may not be as of 1st July 2011.
- Operators with a market share below 1,5% have been excluded from MTR average calculation

- For non-Euro countries, the following exchange rates were used (the average for the second quarter of the year, Q2 2011)¹:

Country	Euro
Denmark	7,45
Norway	7,82
Sweden	9,01
Switzerland	1,25
United Kingdom	0,88
Iceland ²	161,88
Hungary	266,42
Bulgaria	1,96
Romania ³	4,13
Lithuania	3,45
Czech Rep	24,32
Latvia	0,71
Poland	3,96
Croatia	7,39
Former Yugoslav Republic of Macedonia	61,51

¹ European Central Bank website:

<http://sdw.ecb.europa.eu/browseSelection.do?DATASET=0&FREQ=Q&CURRENCY=&node=2018794>

² Exchange rate is the average of the preceding three months listed with the Central Bank of Iceland.

³ MTR in Romania are regulated in Euro directly.

Country	Average MTR per country (€)		
	peak	offpeak	Total
Austria	0,0201	0,0201	0,0201
Belgium	0,0430	0,0430	0,0430
Denmark	0,0443	0,0443	0,0443
Germany	0,0337	0,0337	0,0337
Finland	0,0440	0,0440	0,0440
France	0,0200	0,0200	0,0200
Greece	0,0495	0,0495	0,0495
Ireland	0,0669	0,0247	0,0464
Italy	0,0699	0,0699	0,0699
Luxembourg	0,0915	0,0791	0,0853
Netherlands	0,0420	0,0420	0,0420
Norway	0,0460	0,0460	0,0460
Portugal	0,0400	0,0400	0,0400
Sweden	0,0230	0,0230	0,0230
Switzerland	0,0613	0,0613	0,0613
Spain	0,0452	0,0452	0,0452
United Kingdom	0,0338	0,0338	0,0338
Iceland	0,0377	0,0377	0,0377
Hungary	0,0445	0,0445	0,0445
Romania	0,0506	0,0506	0,0506
Bulgaria	0,0665	0,0562	0,0636
Slovak Rep.	0,0551	0,0551	0,0551
Estonia	0,0702	0,0702	0,0702
Lithuania	0,0362	0,0181	0,0317
Malta	0,0617	0,0617	0,0617

Former Yugoslav Republic of Macedonia	0,0619	0,0619	0,0619
Slovenia	0,0422	0,0422	0,0422
Czech Republic	0,0444	0,0444	0,0444
Cyprus	0,0180	0,0180	0,0180
Latvia	0,0423	0,0423	0,0423
Poland	0,0421	0,0421	0,0421
Turkey	0,0145	0,0145	0,0145
Croatia	0,0560	0,0560	0,0560
Average (S)	0,0460	0,0435	0,0450
Average (W)	0,0427	0,0424	0,0398

Country	Operator	MNO/MVNO	2.1. Average effective prices		
			peak	offpeak	Total
Austria	Mobilkom	MNO	0,0201	0,0201	0,0201
	T-Mobile	MNO	0,0201	0,0201	0,0201
	Orange	MNO	0,0201	0,0201	0,0201
	H3G	MNO	0,0201	0,0201	0,0201
Belgium	Belgacom	MNO	0,0394	0,0394	0,0394
	Mobistar	MNO	0,0429	0,0429	0,0429
	KPN Group Belgium	MNO	0,0490	0,0490	0,0490
Denmark	TDC	MNO	0,0443	0,0443	0,0443
	Telenor	MNO	0,0443	0,0443	0,0443
	Telia	MNO	0,0443	0,0443	0,0443
	Hi3G	MNO	0,0443	0,0443	0,0443
Germany	Telekom Deutschland	MNO	0,0338	0,0338	0,0338
	Vodafone-D2	MNO	0,0336	0,0336	0,0336
	E-plus	MNO	0,0336	0,0336	0,0336
	Telefónica Germany	MNO	0,0339	0,0339	0,0339
Finland	TeliaSonera Finland Oyj	MNO	0,0440	0,0440	0,0440
	Elisa Oyj	MNO	0,0440	0,0440	0,0440
	Dna Oy	MNO	0,0440	0,0440	0,0440
	Ålands mobiltelefon Ab	MNO	0,0440	0,0440	0,0440
France	Orange France	MNO	0,0200	0,0200	0,0200
	SFR	MNO	0,0200	0,0200	0,0200
	Bouygues Telecom	MNO	0,0200	0,0200	0,0200
Greece	COSMOTE	MNO	0,0495	0,0495	0,0495
	VODAFONE	MNO	0,0495	0,0495	0,0495
	WIND	MNO	0,0495	0,0495	0,0495
Ireland ⁴	Vodafone	MNO	0,0584	0,0295	0,0452
	O2	MNO	0,0598	0,0280	0,0452
	Meteor	MNO	0,0850	0,0100	0,0452

⁴ Furthermore, Irish mobile operators set weekend MTR:

Average effective prices

	Weekend Tariff (in Euros)
Vodafone	0,0295
O2	0,0286
Meteor	0,0100
Hutchinson 3G	0,0391
Tesco Mobile (MVNO)	0,0981

	Hutchinson 3G	MNO	0,1388	0,0200	0,0842
	Tesco Mobile	MVNO	0,172	0,1202	0,1380
	Telecom Italia S.p.A.	MNO	0,0660	0,0660	0,0660
	Vodafone Omnitel N.V.	MNO	0,0660	0,0660	0,0660
	Wind Telecomunicazioni S.p.A.	MNO	0,0720	0,0720	0,0720
Italy	H3G S.p.A.	MNO	0,0900	0,0900	0,0900
	EPT	MNO	0,0880	0,0760	0,0820
	Tango	MNO	0,0880	0,0760	0,0820
Luxembourg	Orange	MNO	0,1130	0,0980	0,1055
	KPN	MNO	0,0420	0,0420	0,0420
	T-Mobile	MNO	0,0420	0,0420	0,0420
Netherlands	Vodafone	MNO	0,0420	0,0420	0,0420
	Telenor	MNO	0,0383	0,0383	0,0383
	NetCom	MNO	0,0383	0,0383	0,0383
	Network Norway	MNO	0,1022	0,1022	0,1022
	Tele2	MVNO	0,0639	0,0639	0,0639
	Ventelo	MVNO	0,0383	0,0383	0,0383
	Lyca	MVNO	0,0383	0,0383	0,0383
Norway	TDC	MVNO	0,0383	0,0383	0,0383
	TMN+MVNO	MNO /MVNO	0,0400	0,0400	0,0400
	VODAFONE+MVNO	MNO /MVNO	0,0400	0,0400	0,0400
Portugal	OPTIMUS	MNO	0,0400	0,0400	0,0400
	TeliaSonera	MNO	0,0230	0,0230	0,0230
	Tele2	MNO	0,0230	0,0230	0,0230
	Telenor	MNO	0,0230	0,0230	0,0230
Sweden	Hi3G	MNO	0,0230	0,0230	0,0230
	Swisscom	MNO	0,0559	0,0559	0,0559
	Sunrise	MNO	0,0699	0,0699	0,0699
Switzerland	Orange	MNO	0,0699	0,0699	0,0699
	TME	MNO	0,0445	0,0445	0,0445
	Vodafone	MNO	0,0445	0,0445	0,0445
	Orange	MNO	0,0445	0,0445	0,0445
Spain	Xfera	MNO	0,0579	0,0579	0,0579
	Everywhere Everything	MNO	0,0338	0,0338	0,0338
	O2	MNO	0,0338	0,0338	0,0338
	Vodafone	MNO	0,0338	0,0338	0,0338
United Kingdom	H3G	MNO	0,0338	0,0338	0,0338
Iceland	Siminn	MNO	0,0113	0,0113	0,034

	Vodafone	MNO	0,0113	0,0113	0,034
	Nova	MNO	0,0171	0,0171	0,0513
Hungary	T-Mobile	MNO	0,0445	0,0445	0,0445
	Telenor*	MNO	0,0445	0,0445	0,0445
	Vodafone	MNO	0,0445	0,0445	0,0445
Romania	Orange	MNO	0,0503	0,0503	0,0503
	Vodafone	MNO	0,0503	0,0503	0,0503
	Cosmote	MNO	0,0503	0,0503	0,0503
	RCS & RDS	MNO	0,0567	0,0567	0,0567
Bulgaria	Mobiltel	MNO	0,0665	0,0562	0,0637
	Cosmo Bulgaria Mobile	MNO	0,0665	0,0562	0,0635
	BTC	MNO	0,0665	0,0562	0,0635
Slovak Republic	Orange	MNO	0,0551	0,0551	0,0551
	ST	MNO	0,0551	0,0551	0,0551
	telefonica O2	MNO	0,0551	0,0551	0,0551
Estonia	EMT	MNO	0,0702	0,0702	0,0702
	Elisa	MNO	0,0702	0,0702	0,0702
	Tele2	MNO	0,0702	0,0702	0,0702
Lithuania	Omnitel	MNO	0,0362	0,0181	0,0327
	Bitė Lietuva	MNO	0,0362	0,0181	0,0305
	Tele2	MNO	0,0362	0,0181	0,0312
Malta	Go Mobile	MNO	0,0617	0,0617	0,0617
	Vodafone	MNO	0,0617	0,0617	0,0617
	Melita Mobile	MNO	0,0617	0,0617	0,0617
Former Yugoslav Republic of Macedonia	T-Mobile	MNO	0,052	0,052	0,052
	ONE	MNO	0,0584	0,0584	0,0584
	VIP	MNO	0,0878	0,0878	0,0878
Slovenia	Mobiltel	MNO	0,0409	0,0409	0,0409
	Si.mobil	MNO	0,0409	0,0409	0,0409
	Tušmobil	MNO	0,0532	0,0532	0,0532
	T-2	MNO	0,0614	0,0614	0,0614
Czech Republic	T-Mobile	MNO	0,0444	0,0444	0,0444
	Telefónica O2	MNO	0,0444	0,0444	0,0444
	Vodafone	MNO	0,0444	0,0444	0,0444
	MobilKom	MNO	0,0444	0,0444	0,0444
Cyprus	CYTA	MNO	0,0170	0,0170	0,0170
	MTN	MNO	0,0214	0,0214	0,0214
Latvia	LMT	MNO	0,0423	0,0423	0,0423
	Tele2	MNO	0,0423	0,0423	0,0423
	Bite latvija	MNO	0,0423	0,0423	0,0423
	Telekom Baltija	MNO	0,0423	0,0423	0,0423
Poland	PTC	MNO	0,0383	0,0383	0,0383
	PTK	MNO	0,0383	0,0383	0,0383
	Polkomtel	MNO	0,0383	0,0383	0,0383

	P4	MNO	0,0743	0,0743	0,0743
	Centernet	MNO	0,0706	0,0706	0,0706
Turkey	Turkcell	MNO	0,0139	0,0139	0,0139
	Vodafone	MNO	0,0143	0,0143	0,0143
	Avea	MNO	0,0164	0,0164	0,0164
Croatia	VIPnet	MNO	0,0537	0,0537	0,0537
	T-Mobile	MNO	0,0537	0,0537	0,0537
	Tele 2	MNO	0,0699	0,0699	0,0699

Average MTR per country - July 2011

