



Exchange rate statistics December 2012

Statistical Supplement 5
to the Monthly Report

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Further statistical data, supplementing the Monthly Report, can be found in the following supplements.

Banking statistics	monthly
Capital market statistics	monthly
Balance of payments statistics	monthly
Seasonally adjusted business statistics	monthly

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■ Contents

■ I Euro-area and exchange rate stability convergence criterion

1 Euro-area member states and irrevocable euro conversion rates in the third stage of European Economic and Monetary Union	7
2 Central rates and intervention rates in Exchange Rate Mechanism II	7

■ II Euro reference exchange rates of the European Central Bank

1 Daily rates	8
2 Monthly averages	12
3 End-of-year rates and annual averages	15
4 Exchange rates of major currencies (chart)	17

■ III Effective exchange rates of the euro

1 Annual and monthly averages	18
2 Nominal and real effective exchange rates based on consumer price indices (chart)	19

■ IV Overview of world currencies

1 Currencies and exchange rates in individual countries	20
2 Currencies in selected territories and states in which the currency of another country is legal tender	43

■ V Value of the special drawing right in selected currencies

1 End of year	44
2 End of month	44
3 Daily rates	45

■ VI Global exchange rate arrangements and monetary policy framework

46

■ VII ISO currency codes

48

■ Excerpts from official notifications and announcements on the euro and Exchange Rate Mechanism II

51

■ Explanatory notes

Euro reference exchange rates of the European Central Bank	57
Effective exchange rates of the euro	57
Indicators of the German economy's price competitiveness	57
Overview of world currencies	57
Value of the special drawing right	59
Global exchange rate arrangements and monetary policy framework	60

■ Explanatory notes on individual countries	61
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Abbreviations and symbols

CU	Currency unit(s)
EC	European Community
ECB	European Central Bank
ECU	European Currency Unit
EER	Effective exchange rate
EMU	European Monetary Union
ERM	Exchange Rate Mechanism
EU	European Union
IMF	International Monetary Fund
ISO	International Organization for Standardization
SDR	Special drawing right
SITC	Standard International Trade Classification
SWIFT	Society for Worldwide Interbank Financial Telecommunication

B	Buying rate
M	Middle rate
S	Selling rate
V	Calculated value

e	Estimated
p	Provisional
r	Revised
.	Data unknown, not to be published or not meaningful
–	Nil

Discrepancies in the totals are due to rounding.

I Euro area and exchange rate stability convergence criterion

1 Euro-area member states and irrevocable euro conversion rates in the third stage of European Economic and Monetary Union *

From	Country	Currency	ISO currency code	EUR 1 = CU ...
1999 January 1	Austria	Austrian schilling	ATS	13.7603
	Belgium	Belgian franc	BEF	40.3399
	Finland	Finnish markka	FIM	5.94573
	France	French franc	FRF	6.55957
	Germany	Deutsche Mark	DEM	1.95583
	Ireland	Irish pound	IEP	0.787564
	Italy	Italian lira	ITL	1,936.27
	Luxembourg	Luxembourg franc	LUF	40.3399
	Netherlands	Dutch guilder	NLG	2.20371
	Portugal	Portuguese escudo	PTE	200.482
	Spain	Spanish peseta	ESP	166.386
2001 January 1	Greece	Greek drachma	GRD	340.750
2007 January 1	Slovenia	Slovenian tolar	SIT	239.640
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274
	Malta	Maltese lira	MTL	0.429300
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260
2011 January 1	Estonia	Estonian kroon	EEK	15.6466

* Excerpts from official communications and announcements on the euro and Exchange Rate Mechanism II, see pp 51–56.

2 Central rates and intervention rates in Exchange Rate Mechanism II *

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...						
		From ... 1 Jan 1999	17 Jan 2000	28 June 2004	2 May 2005	28 Nov 2005	19 Mar 2007	29 May 2008
Denmark Danish krone DKK	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
	Central rate	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Greece Greek drachma GRD	Upper rate	406.075	391.863	–	–	–	–	–
	Central rate	353.109	¹ 340.750	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–
Estonia Estonian kroon EEK	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936
	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	² 15.6466
	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996
Lithuania Lithuanian litas LTL	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072
	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	3.45280
	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488
Slovenia Slovenian tolar SIT	Upper rate	–	–	275.586	275.586	275.586	–	–
	Central rate	–	–	239.640	239.640	³ 239.640	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–
Cyprus Cyprus pound CYP	Upper rate	–	–	–	0.673065	0.673065	0.673065	–
	Central rate	–	–	–	0.585274	0.585274	⁴ 0.585274	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–
Latvia Latvian lats LVL	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225
	Central rate	–	–	–	0.702804	0.702804	0.702804	0.702804
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383
Malta Maltese lira MTL	Upper rate	–	–	–	0.493695	0.493695	0.493695	–
	Central rate	–	–	–	0.429300	0.429300	⁴ 0.429300	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	⁵ 34.6449
	Central rate	–	–	–	–	38.4550	35.4424	30.1260
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071

Source: ECB. * One prerequisite before an EU member state can join the Eurosystem is that its currency must have observed the normal fluctuation margins of the Exchange Rate Mechanism II for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate, while the other currencies are subject to the standard fluctuation band of $\pm 15\%$. For additional unilateral commitments regarding narrower fluctuation bands,

see pp 51–56. ¹ Until 31 December 2000; accession to EMU on 1 January 2001. ² Until 31 December 2010; accession to EMU on 1 January 2011. ³ Until 31 December 2006; accession to EMU on 1 January 2007. ⁴ Until 31 December 2007; accession to EMU on 1 January 2008. ⁵ Until 31 December 2008; accession to EMU on 1 January 2009.

II Euro reference exchange rates of the European Central Bank *

1 Daily rates

EUR 1 = CU ...

		EU member countries									
		Bulgaria	Czech Republic	Denmark	Hungary	Latvia	Lithuania	Poland	Romania	Sweden	
		Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Latvian lats LVL	Lithuanian litas LTL	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2012 Sep	3	1.9558	24.894	7.4512	284.90	0.6963	3.4528	4.1933	4.4921	8.4161	
	4	1.9558	24.880	7.4510	284.75	0.6963	3.4528	4.1973	4.4915	8.4075	
	5	1.9558	24.794	7.4509	284.60	0.6962	3.4528	4.2009	4.4883	8.4415	
	6	1.9558	24.703	7.4514	285.44	0.6962	3.4528	4.1594	4.4828	8.5026	
	7	1.9558	24.587	7.4521	287.00	0.6963	3.4528	4.1224	4.4805	8.4865	
	10	1.9558	24.530	7.4521	285.41	0.6963	3.4528	4.1129	4.4768	8.4935	
	11	1.9558	24.548	7.4522	284.88	0.6963	3.4528	4.1082	4.4848	8.4773	
	12	1.9558	24.440	7.4541	283.33	0.6961	3.4528	4.0927	4.5010	8.4735	
	13	1.9558	24.482	7.4536	283.53	0.6962	3.4528	4.1059	4.5093	8.5088	
	14	1.9558	24.433	7.4555	281.75	0.6961	3.4528	4.0602	4.5030	8.5884	
	17	1.9558	24.505	7.4552	282.98	0.6963	3.4528	4.1034	4.4885	8.6243	
	18	1.9558	24.815	7.4539	283.82	0.6962	3.4528	4.1139	4.5069	8.5685	
	19	1.9558	24.870	7.4545	283.10	0.6962	3.4528	4.1353	4.5043	8.5214	
	20	1.9558	24.904	7.4549	284.40	0.6962	3.4528	4.1645	4.5128	8.4885	
	21	1.9558	24.803	7.4549	282.24	0.6962	3.4528	4.1297	4.5173	8.4956	
	24	1.9558	24.940	7.4563	283.28	0.6963	3.4528	4.1540	4.5183	8.4928	
	25	1.9558	24.921	7.4565	283.33	0.6962	3.4528	4.1380	4.5105	8.4725	
	26	1.9558	24.983	7.4561	285.78	0.6962	3.4528	4.1511	4.5178	8.4998	
	27	1.9558	24.859	7.4560	284.92	0.6963	3.4528	4.1436	4.5185	8.4500	
	28	1.9558	25.141	7.4555	284.89	0.6962	3.4528	4.1038	4.5383	8.4498	
	Oct	1	1.9558	25.080	7.4554	285.13	0.6962	3.4528	4.1057	4.5223	8.4731
		2	1.9558	25.060	7.4554	285.56	0.6963	3.4528	4.1031	4.5241	8.5326
		3	1.9558	25.033	7.4566	286.15	0.6961	3.4528	4.0909	4.5337	8.6090
		4	1.9558	24.957	7.4556	285.61	0.6962	3.4528	4.0866	4.5480	8.6099
		5	1.9558	24.915	7.4556	282.75	0.6961	3.4528	4.0735	4.5782	8.5728
		8	1.9558	24.900	7.4569	283.75	0.6962	3.4528	4.0780	4.5723	8.6057
		9	1.9558	24.936	7.4575	283.40	0.6963	3.4528	4.0777	4.5675	8.6117
		10	1.9558	24.950	7.4582	282.15	0.6961	3.4528	4.0825	4.5710	8.6068
11		1.9558	24.940	7.4588	281.85	0.6961	3.4528	4.0910	4.5703	8.6627	
12		1.9558	24.950	7.4589	281.40	0.6961	3.4528	4.0978	4.5648	8.6830	
15		1.9558	24.931	7.4591	278.53	0.6962	3.4528	4.0868	4.5740	8.6591	
16		1.9558	24.875	7.4594	278.51	0.6962	3.4528	4.0920	4.5783	8.6274	
17		1.9558	24.794	7.4592	279.00	0.6962	3.4528	4.1029	4.5777	8.6587	
18		1.9558	24.756	7.4593	277.19	0.6961	3.4528	4.1027	4.5803	8.5843	
19		1.9558	24.823	7.4590	279.30	0.6963	3.4528	4.1070	4.5833	8.5717	
22		1.9558	24.899	7.4588	279.57	0.6964	3.4528	4.1058	4.5770	8.5924	
23		1.9558	24.908	7.4586	281.77	0.6963	3.4528	4.1342	4.5785	8.6174	
24	1.9558	24.973	7.4592	280.89	0.6963	3.4528	4.1357	4.5765	8.6558		
25	1.9558	24.901	7.4588	279.72	0.6961	3.4528	4.1400	4.5660	8.6883		
26	1.9558	24.900	7.4592	281.99	0.6962	3.4528	4.1503	4.5598	8.6730		
29	1.9558	25.021	7.4597	285.13	0.6961	3.4528	4.1489	4.5486	8.6219		
30	1.9558	25.022	7.4597	284.58	0.6961	3.4528	4.1305	4.5403	8.6155		
31	1.9558	25.064	7.4598	284.05	0.6962	3.4528	4.1390	4.5420	8.6000		
Nov	1	1.9558	25.226	7.4597	282.22	0.6962	3.4528	4.1270	4.5340	8.6398	
	2	1.9558	25.232	7.4596	281.42	0.6962	3.4528	4.1088	4.5275	8.5955	
	5	1.9558	25.234	7.4589	282.58	0.6962	3.4528	4.1226	4.5240	8.5690	
	6	1.9558	25.305	7.4602	281.80	0.6963	3.4528	4.1210	4.5190	8.5721	
	7	1.9558	25.395	7.4594	282.10	0.6963	3.4528	4.1131	4.5163	8.5547	
	8	1.9558	25.423	7.4591	284.57	0.6960	3.4528	4.1645	4.5203	8.5105	
	9	1.9558	25.396	7.4579	284.40	0.6962	3.4528	4.1714	4.5287	8.5745	
	12	1.9558	25.366	7.4577	283.60	0.6963	3.4528	4.1706	4.5293	8.5809	
	13	1.9558	25.445	7.4572	284.36	0.6962	3.4528	4.1785	4.5375	8.6077	
	14	1.9558	25.500	7.4581	285.06	0.6961	3.4528	4.1775	4.5430	8.6260	
	15	1.9558	25.566	7.4587	284.28	0.6961	3.4528	4.1600	4.5383	8.6480	
	16	1.9558	25.534	7.4585	284.18	0.6963	3.4528	4.1615	4.5333	8.6493	
	19	1.9558	25.418	7.4584	283.42	0.6961	3.4528	4.1458	4.5363	8.6419	
	20	1.9558	25.399	7.4582	281.56	0.6961	3.4528	4.1278	4.5370	8.6463	
	21	1.9558	25.484	7.4574	281.27	0.6961	3.4528	4.1249	4.5345	8.6220	
	22	1.9558	25.422	7.4577	279.06	0.6962	3.4528	4.1092	4.5323	8.6065	
	23	1.9558	25.339	7.4579	280.49	0.6961	3.4528	4.1192	4.5373	8.5879	
26	1.9558	25.293	7.4580	281.83	0.6963	3.4528	4.1032	4.5276	8.5763		
27	1.9558	25.304	7.4581	280.06	0.6963	3.4528	4.0905	4.5050	8.6420		
28	1.9558	25.265	7.4592	281.10	0.6965	3.4528	4.1076	4.5156	8.6174		
29	1.9558	25.226	7.4604	279.30	0.6962	3.4528	4.0968	4.5100	8.6371		
30	1.9558	25.262	7.4600	281.03	0.6962	3.4528	4.1052	4.5148	8.6625		
Dec	3	1.9558	25.256	7.4602	281.89	0.6963	3.4528	4.1116	4.5234	8.6558	
	4	1.9558	25.243	7.4604	282.39	0.6964	3.4528	4.1291	4.5343	8.6265	
	5	1.9558	25.218	7.4599	282.62	0.6965	3.4528	4.1198	4.5445	8.6510	
	6	1.9558	25.195	7.4592	283.48	0.6963	3.4528	4.1340	4.5418	8.6294	
	7	1.9558	25.208	7.4590	283.96	0.6964	3.4528	4.1312	4.5385	8.6180	
	10	1.9558	25.245	7.4591	283.51	0.6963	3.4528	4.1235	4.5375	8.6336	

* See Explanatory notes, p 57. 1 The ECB has not fixed a euro reference exchange rate for the Icelandic krona since 4 December 2008.

II Euro reference exchange rates of the European Central Bank *

Other European and non-European countries										Period
United Kingdom	Australia	Brazil	Canada	China	Croatia	Hong Kong	Iceland	India		
Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Croatian kuna HRK	Hong Kong dollar HKD	Icelandic krona ISK 1	Indian rupee INR		
0.79120	1.2278	2.5503	1.2400	7.9686	7.4733	9.7484	–	69.7960	2012 Sep	3
0.79210	1.2267	2.5548	1.2390	7.9843	7.4725	9.7568	–	70.0160		4
0.79035	1.2337	2.5695	1.2422	7.9860	7.4628	9.7566	–	70.3000		5
0.79360	1.2341	2.5756	1.2470	8.0177	7.4450	9.8028	–	70.3490		6
0.79670	1.2279	2.5769	1.2472	8.0604	7.4355	9.8546	–	70.2450		7
0.79970	1.2349	2.5847	1.2486	8.0970	7.4303	9.9091	–	70.8370		10
0.79780	1.2301	2.5851	1.2429	8.1016	7.4203	9.9161	–	70.7440		11
0.80170	1.2322	2.6036	1.2566	8.1592	7.4070	10.0006	–	71.2230		12
0.80145	1.2357	2.6190	1.2599	8.1733	7.4080	10.0121	–	71.5570		13
0.80745	1.2366	2.6431	1.2628	8.2696	7.4160	10.1520	–	71.1140		14
0.80695	1.2452	2.6411	1.2733	8.2745	7.4005	10.1444	–	70.7360		17
0.80350	1.2527	2.6532	1.2732	8.2496	7.3985	10.1199	–	70.5240		18
0.80270	1.2455	2.6317	1.2672	8.2040	7.4000	10.0806	–	70.2040		19
0.80017	1.2461	2.6284	1.2678	8.1668	7.3910	10.0425	–	70.3866		20
0.79870	1.2365	2.6289	1.2654	8.1895	7.3932	10.0682	–	69.4400		21
0.79680	1.2415	2.6175	1.2668	8.1491	7.4265	10.0130	–	69.0680		24
0.79650	1.2393	2.6192	1.2677	8.1566	7.4475	10.0266	–	68.9470		25
0.79490	1.2421	2.6118	1.2633	8.0961	7.4515	9.9600	–	68.7400		26
0.79390	1.2354	2.6136	1.2658	8.1150	7.4550	9.9821	–	68.3290		27
0.79805	1.2396	2.6232	1.2684	8.1261	7.4468	10.0258	–	68.3480		28
0.79830	1.2431	2.6098	1.2667	8.0926	7.4255	9.9850	–	67.4870	Oct	1
0.80060	1.2531	2.6174	1.2693	8.1779	7.4460	10.0266	–	67.7470		2
0.80085	1.2625	2.6148	1.2727	8.1707	7.4625	10.0073	–	67.4430		3
0.80395	1.2673	2.6179	1.2783	8.2090	7.4820	10.0432	–	67.0020		4
0.80325	1.2682	2.6258	1.2750	8.2226	7.4810	10.0805	–	67.4220		5
0.80840	1.2721	2.6348	1.2683	8.1498	7.4800	10.0476	–	68.1840		8
0.80790	1.2663	2.6289	1.2632	8.1465	7.4865	10.0422	–	68.2779		9
0.80495	1.2574	2.6199	1.2594	8.1210	7.4920	9.9922	–	68.3150		10
0.80525	1.2573	2.6339	1.2645	8.1086	7.5225	10.0148	–	68.0200		11
0.80650	1.2654	2.6428	1.2678	8.1267	7.5223	10.0541	–	68.5060		12
0.80745	1.2661	2.6459	1.2682	8.1318	7.5085	10.0540	–	68.7660		15
0.80970	1.2693	2.6534	1.2870	8.1728	7.5148	10.1116	–	68.9550		16
0.81150	1.2690	2.6676	1.2915	8.2059	7.5405	10.1704	–	69.3590		17
0.81190	1.2632	2.6631	1.2843	8.2006	7.5430	10.1671	–	70.0470		18
0.81275	1.2586	2.6440	1.2885	8.1514	7.5425	10.1029	–	70.1800		19
0.81450	1.2657	2.6498	1.2987	8.1705	7.5605	10.1242	–	69.8540		22
0.81365	1.2662	2.6373	1.2961	8.1308	7.5630	10.0791	–	69.9210		23
0.80830	1.2526	2.6213	1.2807	8.0858	7.5640	10.0304	–	69.6690		24
0.80490	1.2510	2.6345	1.2884	8.1102	7.5530	10.0701	–	69.6100		25
0.80120	1.2486	2.6148	1.2865	8.0661	7.5380	10.0041	–	69.3590		26
0.80455	1.2455	2.6169	1.2895	8.0530	7.5375	9.9963	–	69.7590		29
0.80620	1.2489	2.6334	1.2961	8.0884	7.5295	10.0457	–	69.9510		30
0.80645	1.2528	2.6389	1.3005	8.1041	7.5270	10.0697	–	69.9200		31
0.80315	1.2491	2.6352	1.2969	8.0970	7.5230	10.0557	–	69.6820	Nov	1
0.80160	1.2374	2.6106	1.2783	8.0205	7.5295	9.9589	–	69.1470		2
0.79990	1.2338	2.5999	1.2732	7.9820	7.5250	9.9024	–	69.7720		5
0.80095	1.2263	2.6033	1.2722	8.0166	7.5325	9.9203	–	69.6770		6
0.79840	1.2228	2.5911	1.2662	7.9770	7.5375	9.8788	–	69.1020		7
0.79655	1.2230	2.5918	1.2690	7.9698	7.5375	9.8719	–	69.2390		8
0.79725	1.2251	2.6145	1.2730	7.9277	7.5330	9.8391	–	69.5440		9
0.80200	1.2200	2.6053	1.2725	7.9333	7.5300	9.8704	–	69.8830		12
0.79965	1.2187	2.6186	1.2709	7.9116	7.5363	9.8399	–	69.7900		13
0.80260	1.2217	2.6280	1.2741	7.9222	7.5370	9.8634	–	69.7500		14
0.80545	1.2350	2.6332	1.2782	7.9520	7.5375	9.8876	–	69.7560		15
0.80245	1.2337	2.6391	1.2753	7.9471	7.5375	9.8803	–	70.3210		16
0.80320	1.2283	2.6494	1.2744	7.9569	7.5415	9.8930	–	70.2740		19
0.80465	1.2331	2.6648	1.2755	7.9837	7.5497	9.9290	–	70.5710		20
0.80370	1.2358	2.6784	1.2774	7.9800	7.5600	9.9249	–	70.5750		21
0.80770	1.2420	2.6959	1.2841	8.0349	7.5535	9.9934	–	71.0958		22
0.81010	1.2393	2.7263	1.2865	8.0406	7.5580	10.0049	–	71.6902		23
0.80995	1.2416	2.6932	1.2884	8.0707	7.5625	10.0472	–	72.1120		26
0.80810	1.2372	2.6878	1.2846	8.0647	7.5525	10.0449	–	71.7520		27
0.80687	1.2339	2.6947	1.2823	8.0260	7.5505	9.9908	–	71.5000		28
0.81053	1.2432	2.7264	1.2886	8.0917	7.5391	10.0704	–	71.2400		29
0.81080	1.2474	2.7391	1.2904	8.0899	7.5385	10.0643	–	70.6760		30
0.81210	1.2517	2.7477	1.2964	8.1328	7.5320	10.1193	–	71.5220	Dec	3
0.81230	1.2497	2.7575	1.3013	8.1506	7.5265	10.1463	–	71.5710		4
0.81190	1.2483	2.7511	1.2960	8.1395	7.5200	10.1255	–	71.2780		5
0.81135	1.2456	2.7199	1.2961	8.1439	7.5320	10.1308	–	70.7690		6
0.80610	1.2318	2.6860	1.2806	8.0358	7.5238	10.0015	–	70.3000		7
0.80440	1.2318	2.6877	1.2761	8.0684	7.5263	10.0208	–	70.4750		10

II Euro reference exchange rates of the European Central Bank *

1 Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)							
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period		Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2012 Sep	3	12,007.25	5.0556	98.43	1,422.42	3.9118	16.6224	1.5753	7.3015
	4	12,042.66	5.0528	98.58	1,425.56	3.9087	16.5518	1.5818	7.2890
	5	12,048.55	5.0630	98.67	1,429.81	3.9262	16.5615	1.5847	7.3070
	6	12,093.06	5.0883	99.36	1,432.57	3.9381	16.5162	1.5830	7.3725
	7	12,168.59	5.0576	100.26	1,435.34	3.9478	16.5019	1.5787	7.3730
	10	12,228.05	5.0847	99.98	1,442.33	3.9638	16.6018	1.5770	7.3900
	11	12,239.56	5.0668	99.70	1,441.82	3.9512	16.6711	1.5690	7.3890
	12	12,343.39	5.0955	100.45	1,453.36	3.9640	16.7652	1.5739	7.4070
	13	12,375.34	5.1137	100.24	1,457.37	3.9780	16.8038	1.5675	7.4190
	14	12,447.27	5.1038	102.24	1,461.73	3.9770	16.7204	1.5719	7.4285
	17	12,388.75	5.0948	102.61	1,462.17	3.9853	16.7236	1.5786	7.4725
	18	12,409.61	5.0891	102.64	1,460.38	4.0030	16.7283	1.5787	7.4655
	19	12,407.35	5.0870	102.38	1,450.92	3.9792	16.6816	1.5720	7.4315
	20	12,370.30	5.0750	101.21	1,453.99	3.9810	16.7056	1.5729	7.4320
	21	12,410.27	5.0538	101.58	1,453.66	3.9611	16.6641	1.5601	7.4215
	24	12,351.43	5.0608	100.79	1,446.53	3.9691	16.6727	1.5742	7.4370
	25	12,386.15	5.0566	100.57	1,447.36	3.9714	16.6079	1.5684	7.4000
	26	12,324.62	5.0227	99.82	1,438.77	3.9611	16.5957	1.5675	7.4030
	27	12,335.52	5.0517	99.98	1,437.65	3.9604	16.5225	1.5534	7.3800
	28	12,380.86	5.0603	100.37	1,439.33	3.9596	16.6086	1.5536	7.3695
Oct	1	12,334.98	5.0357	100.42	1,435.49	3.9433	16.5824	1.5533	7.3780
	2	12,388.38	5.0210	101.02	1,438.56	3.9462	16.5813	1.5521	7.3730
	3	12,374.75	4.9948	101.10	1,437.89	3.9499	16.5952	1.5709	7.4115
	4	12,418.81	5.0140	101.88	1,441.73	3.9599	16.5643	1.5788	7.4285
	5	12,467.96	5.0144	102.02	1,444.13	3.9691	16.5844	1.5775	7.3935
	8	12,438.19	5.0045	101.45	1,442.02	3.9813	16.6357	1.5854	7.4020
	9	12,445.44	4.9970	101.35	1,439.28	3.9805	16.5661	1.5770	7.4050
	10	12,385.19	4.9775	100.94	1,436.57	3.9623	16.5624	1.5732	7.3985
	11	12,389.32	4.9776	101.26	1,438.56	3.9622	16.6904	1.5796	7.3825
	12	12,438.76	4.9619	101.70	1,441.35	3.9658	16.6949	1.5815	7.4005
	15	12,455.29	4.9512	102.10	1,439.82	3.9671	16.6288	1.5895	7.4100
	16	12,515.85	4.9636	102.94	1,443.90	3.9789	16.6848	1.6023	7.3910
	17	12,577.46	4.9809	103.23	1,450.48	3.9769	16.8231	1.6009	7.3960
	18	12,599.42	4.9900	104.01	1,448.93	3.9843	16.7891	1.5983	7.3770
	19	12,526.16	4.9842	103.27	1,439.17	3.9785	16.7871	1.5910	7.3840
	22	12,552.67	4.9871	104.27	1,441.87	3.9868	16.8251	1.5972	7.3865
	23	12,505.13	4.9848	103.84	1,434.96	3.9754	16.8471	1.6002	7.4170
	24	12,437.74	4.9917	103.33	1,428.48	3.9619	16.7825	1.5887	7.4350
	25	12,482.86	5.0107	104.15	1,425.37	3.9545	16.8077	1.5775	7.4615
	26	12,448.82	5.0046	103.15	1,416.90	3.9435	16.8304	1.5740	7.4675
	29	12,389.97	5.0117	102.69	1,416.13	3.9487	16.8290	1.5717	7.4520
	30	12,463.11	5.0459	103.00	1,414.71	3.9560	16.9152	1.5765	7.4380
	31	12,481.56	5.0403	103.78	1,417.18	3.9597	16.9685	1.5810	7.3855
Nov	1	12,485.32	5.0227	103.82	1,416.07	3.9600	16.9402	1.5685	7.3705
	2	12,368.10	4.9919	103.55	1,402.58	3.9237	16.6645	1.5533	7.3305
	5	12,297.67	4.9885	102.60	1,396.33	3.9142	16.6796	1.5515	7.3425
	6	12,312.93	4.9867	102.60	1,396.16	3.9219	16.6568	1.5451	7.3220
	7	12,251.94	4.9544	102.11	1,384.34	3.8917	16.5991	1.5403	7.3195
	8	12,263.02	4.9668	101.74	1,388.05	3.9017	16.6548	1.5591	7.3020
	9	12,221.96	4.9661	100.44	1,382.42	3.8903	16.7982	1.5622	7.3015
	12	12,243.86	4.9988	101.13	1,386.28	3.9017	16.7975	1.5591	7.3030
	13	12,223.90	4.9855	100.93	1,384.35	3.8970	16.8062	1.5544	7.3260
	14	12,249.52	4.9954	102.00	1,380.85	3.8914	16.8079	1.5658	7.3220
	15	12,276.21	5.0450	103.66	1,388.09	3.9097	16.9170	1.5727	7.3595
	16	12,272.52	5.0496	103.44	1,390.81	3.9127	16.8339	1.5739	7.3695
	19	12,288.36	5.0310	103.60	1,386.91	3.9101	16.7125	1.5621	7.3715
	20	12,343.73	5.0285	104.39	1,388.01	3.9169	16.7542	1.5684	7.3350
	21	12,337.14	5.0113	105.49	1,387.05	3.9190	16.6777	1.5741	7.3260
	22	12,423.85	4.9875	106.42	1,399.76	3.9465	16.7523	1.5809	7.3250
	23	12,422.81	5.0052	106.19	1,402.61	3.9485	16.7933	1.5760	7.3290
	26	12,472.66	5.0114	106.47	1,408.22	3.9605	16.8255	1.5770	7.3370
	27	12,444.34	4.9987	106.46	1,406.92	3.9492	16.8137	1.5743	7.3575
	28	12,403.25	4.9810	105.44	1,403.25	3.9351	16.8552	1.5710	7.3415
	29	12,490.31	4.9740	106.72	1,407.53	3.9569	16.8116	1.5763	7.3500
	30	12,470.89	4.9541	107.37	1,406.31	3.9475	16.7648	1.5865	7.3760
Dec	3	12,534.89	4.9758	107.36	1,413.94	3.9727	16.8362	1.5891	7.3490
	4	12,580.93	4.9957	107.28	1,419.25	3.9830	16.9802	1.5866	7.3465
	5	12,582.01	4.9672	107.31	1,414.07	3.9735	16.9098	1.5826	7.3560
	6	12,591.79	4.9849	107.66	1,417.21	3.9845	16.8684	1.5693	7.3360
	7	12,417.98	4.9491	106.19	1,397.67	3.9434	16.6145	1.5506	7.3305
	10	12,452.80	4.9504	106.23	1,394.66	3.9583	16.5673	1.5501	7.3250

* See Explanatory notes, p 57.

II Euro reference exchange rates of the European Central Bank *

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	Period
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	
52.669	40.7375	1.5682	10.5856	1.2008	39.250	2.2878	1.2568	2012 Sep 3
52.671	40.4940	1.5677	10.5390	1.2010	39.246	2.2881	1.2579	4
52.792	40.6550	1.5702	10.5560	1.2014	39.331	2.2905	1.2578	5
52.845	40.6844	1.5743	10.5615	1.2049	39.468	2.2951	1.2638	6
52.870	40.3911	1.5739	10.4434	1.2128	39.643	2.2918	1.2706	7
53.072	40.5510	1.5794	10.4652	1.2090	39.721	2.3025	1.2776	10
53.125	40.5783	1.5745	10.4847	1.2074	39.742	2.3065	1.2787	11
53.583	40.4920	1.5844	10.7313	1.2083	39.926	2.3284	1.2896	12
53.834	40.5506	1.5873	10.8431	1.2130	40.047	2.3386	1.2910	13
54.078	40.1130	1.5973	10.8003	1.2162	40.280	2.3501	1.3095	14
54.401	40.1550	1.6020	10.8353	1.2160	40.318	2.3542	1.3086	17
54.534	40.4445	1.6011	10.7780	1.2113	40.311	2.3486	1.3054	18
54.165	40.5170	1.5921	10.7164	1.2095	40.085	2.3323	1.3002	19
54.109	40.6040	1.5878	10.8060	1.2088	40.024	2.3335	1.2954	20
54.109	40.2662	1.5893	10.7305	1.2110	40.016	2.3314	1.2988	21
53.931	40.3205	1.5871	10.7171	1.2095	39.949	2.3259	1.2916	24
54.000	40.1090	1.5860	10.5973	1.2092	39.999	2.3194	1.2932	25
53.910	40.1730	1.5844	10.5700	1.2088	39.807	2.3053	1.2845	26
53.928	40.0350	1.5812	10.5499	1.2084	39.871	2.3038	1.2874	27
53.961	40.1400	1.5848	10.7125	1.2099	39.811	2.3203	1.2930	28
53.731	40.2230	1.5827	10.7321	1.2095	39.648	2.3117	1.2877	Oct 1
53.758	40.1600	1.5885	10.8000	1.2102	39.630	2.3170	1.2930	2
53.630	40.1770	1.5896	10.8852	1.2104	39.564	2.3127	1.2904	3
53.779	40.2900	1.5910	11.0599	1.2123	39.617	2.3386	1.2951	4
53.831	40.2520	1.5951	11.1983	1.2112	39.721	2.3375	1.3002	5
53.748	40.3506	1.5951	11.5770	1.2110	39.785	2.3494	1.2958	8
53.646	40.2740	1.5913	11.3321	1.2111	39.701	2.3490	1.2953	9
53.470	40.0900	1.5833	11.1516	1.2110	39.582	2.3375	1.2889	10
53.548	40.1155	1.5857	11.2664	1.2087	39.671	2.3407	1.2918	11
53.744	40.2000	1.5834	11.1779	1.2093	39.740	2.3437	1.2970	12
53.710	40.1885	1.5838	11.3632	1.2091	39.782	2.3463	1.2971	15
53.896	40.2810	1.5928	11.3680	1.2091	40.012	2.3585	1.3046	16
53.896	40.2880	1.5954	11.3669	1.2106	40.187	2.3629	1.3120	17
54.078	40.3022	1.5972	11.3305	1.2094	40.207	2.3570	1.3118	18
53.921	40.1888	1.5914	11.2411	1.2085	40.044	2.3445	1.3035	19
53.982	40.4252	1.5962	11.2708	1.2097	40.156	2.3449	1.3063	22
53.792	40.6150	1.5929	11.3724	1.2098	39.990	2.3437	1.3005	23
53.613	40.6250	1.5832	11.3602	1.2100	39.758	2.3365	1.2942	24
53.588	40.5850	1.5845	11.3116	1.2097	39.876	2.3369	1.2993	25
53.392	40.6150	1.5774	11.2745	1.2090	39.679	2.3288	1.2908	26
53.219	40.5871	1.5754	11.2009	1.2087	39.636	2.3237	1.2898	29
53.384	40.6450	1.5808	11.1852	1.2085	39.780	2.3307	1.2962	30
53.527	40.7049	1.5853	11.2692	1.2076	39.876	2.3312	1.2993	31
53.487	40.6714	1.5830	11.2351	1.2072	39.846	2.3251	1.2975	Nov 1
52.897	40.3150	1.5707	11.1572	1.2073	39.514	2.2975	1.2850	2
52.748	40.4824	1.5659	11.1668	1.2063	39.379	2.2793	1.2777	5
52.801	40.3057	1.5661	11.1490	1.2075	39.373	2.2741	1.2800	6
52.183	40.0973	1.5586	11.0253	1.2065	39.117	2.2713	1.2746	7
52.413	40.1530	1.5593	11.0940	1.2058	39.100	2.2730	1.2736	8
52.275	40.1422	1.5563	11.1168	1.2054	38.907	2.2760	1.2694	9
52.272	40.2398	1.5572	11.0900	1.2057	39.020	2.2900	1.2735	12
52.181	40.3600	1.5539	11.1705	1.2046	38.951	2.2885	1.2696	13
52.372	40.3450	1.5549	11.2764	1.2040	39.082	2.2965	1.2726	14
52.630	40.3848	1.5622	11.4333	1.2042	39.186	2.2982	1.2756	15
52.728	40.4368	1.5638	11.2927	1.2042	39.191	2.2944	1.2745	16
52.489	40.3100	1.5632	11.2874	1.2045	39.205	2.3007	1.2762	19
52.766	40.1774	1.5683	11.3448	1.2049	39.285	2.3016	1.2809	20
52.716	39.9872	1.5691	11.4849	1.2041	39.311	2.3097	1.2805	21
53.012	40.1520	1.5795	11.5363	1.2045	39.582	2.3194	1.2893	22
53.048	40.1967	1.5802	11.4758	1.2050	39.631	2.3201	1.2909	23
53.146	40.2110	1.5851	11.5072	1.2046	39.774	2.3270	1.2964	26
52.908	40.1510	1.5832	11.4140	1.2043	39.764	2.3240	1.2961	27
52.695	40.1530	1.5775	11.4339	1.2033	39.614	2.3101	1.2891	28
53.001	40.0600	1.5857	11.4055	1.2043	39.905	2.3241	1.2994	29
52.989	40.1786	1.5859	11.4717	1.2054	39.867	2.3213	1.2986	30
53.445	40.3751	1.5911	11.5385	1.2087	40.020	2.3329	1.3057	Dec 3
53.449	40.3515	1.5941	11.5504	1.2136	40.179	2.3367	1.3092	4
53.378	40.2670	1.5921	11.4554	1.2128	40.083	2.3350	1.3065	5
53.525	40.3332	1.5936	11.4205	1.2114	40.079	2.3388	1.3072	6
52.876	39.9503	1.5757	11.2242	1.2077	39.593	2.3118	1.2905	7
52.908	39.7440	1.5795	11.2365	1.2068	39.630	2.3167	1.2930	10

II Euro reference exchange rates of the European Central Bank *

2 Monthly averages +

EUR 1 = CU ...

Period	EU member countries										Other European and non-	
	Bulgaria	Czech Republic	Denmark	Hungary	Latvia	Lithuania	Poland	Romania	Sweden	United Kingdom	Australia	Brazil
	Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Latvian lats LVL	Lithuanian litas LTL	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL ¹
2007 Nov	1.9558	26.733	7.4543	254.50	0.7005	3.4528	3.6575	3.4739	9.2889	0.70896	1.6373	2.5920
2007 Dec	1.9558	26.317	7.4599	253.18	0.6975	3.4528	3.6015	3.5351	9.4319	0.72064	1.6703	2.6050
2008 Jan	1.9558	26.050	7.4505	256.03	0.6982	3.4528	3.6092	3.6937	9.4314	0.74725	1.6694	2.6111
2008 Feb	1.9558	25.377	7.4540	262.15	0.6967	3.4528	3.5768	3.6557	9.3642	0.75094	1.6156	2.5516
2008 Mar	1.9558	25.208	7.4561	259.94	0.6970	3.4528	3.5363	3.7194	9.4020	0.77494	1.6763	2.6445
2008 Apr	1.9558	25.064	7.4603	253.75	0.6974	3.4528	3.4421	3.6428	9.3699	0.79487	1.6933	2.6602
2008 May	1.9558	25.100	7.4609	247.69	0.6987	3.4528	3.4038	3.6583	9.3106	0.79209	1.6382	2.5824
2008 June	1.9558	24.316	7.4586	242.42	0.7032	3.4528	3.3736	3.6556	9.3739	0.79152	1.6343	2.5185
2008 July	1.9558	23.528	7.4599	231.82	0.7035	3.4528	3.2591	3.5764	9.4566	0.79308	1.6386	2.5097
2008 Aug	1.9558	24.287	7.4595	235.88	0.7039	3.4528	3.2920	3.5271	9.3984	0.79279	1.6961	2.4103
2008 Sep	1.9558	24.497	7.4583	240.68	0.7060	3.4528	3.3747	3.6248	9.5637	0.79924	1.7543	2.5712
2008 Oct	1.9558	24.768	7.4545	260.15	0.7093	3.4528	3.5767	3.7479	9.8506	0.78668	1.9345	2.9112
2008 Nov	1.9558	25.193	7.4485	265.32	0.7092	3.4528	3.7326	3.7838	10.1275	0.83063	1.9381	2.8967
2008 Dec	1.9558	26.120	7.4503	265.02	0.7084	3.4528	4.0044	3.9227	10.7538	0.90448	2.0105	3.2266
2009 Jan	1.9558	27.169	7.4519	279.86	0.7043	3.4528	4.2300	4.2354	10.7264	0.91819	1.9633	3.0596
2009 Feb	1.9558	28.461	7.4514	298.30	0.7056	3.4528	4.6467	4.2864	10.9069	0.88691	1.9723	2.9685
2009 Mar	1.9558	27.231	7.4509	304.14	0.7083	3.4528	4.6210	4.2828	11.1767	0.91966	1.9594	3.0198
2009 Apr	1.9558	26.774	7.4491	295.26	0.7093	3.4528	4.4326	4.2041	10.8796	0.89756	1.8504	2.9197
2009 May	1.9558	26.731	7.4468	281.93	0.7092	3.4528	4.4103	4.1700	10.5820	0.88445	1.7831	2.8232
2009 June	1.9558	26.545	7.4457	280.46	0.7015	3.4528	4.5084	4.2131	10.8713	0.85670	1.7463	2.7391
2009 July	1.9558	25.793	7.4458	272.06	0.7006	3.4528	4.2965	4.2184	10.8262	0.86092	1.7504	2.7221
2009 Aug	1.9558	25.646	7.4440	270.05	0.7013	3.4528	4.1311	4.2183	10.2210	0.86265	1.7081	2.6314
2009 Sep	1.9558	25.346	7.4428	271.84	0.7039	3.4528	4.1584	4.2420	10.1976	0.89135	1.6903	2.6520
2009 Oct	1.9558	25.861	7.4438	268.49	0.7088	3.4528	4.2146	4.2871	10.3102	0.91557	1.6341	2.5771
2009 Nov	1.9558	25.812	7.4415	270.92	0.7088	3.4528	4.1646	4.2896	10.3331	0.89892	1.6223	2.5777
2009 Dec	1.9558	26.089	7.4419	273.22	0.7077	3.4528	4.1439	4.2284	10.4085	0.89972	1.6185	2.5566
2010 Jan	1.9558	26.133	7.4424	269.43	0.7088	3.4528	4.0703	4.1383	10.1939	0.88305	1.5624	2.5383
2010 Feb	1.9558	25.979	7.4440	271.21	0.7090	3.4528	4.0144	4.1196	9.9505	0.87604	1.5434	2.5237
2010 Mar	1.9558	25.541	7.4416	265.40	0.7083	3.4528	3.8906	4.0866	9.7277	0.90160	1.4882	2.4233
2010 Apr	1.9558	25.308	7.4428	265.53	0.7076	3.4528	3.8782	4.1306	9.6617	0.87456	1.4463	2.3550
2010 May	1.9558	25.663	7.4413	276.78	0.7075	3.4528	4.0567	4.1767	9.6641	0.85714	1.4436	2.2750
2010 June	1.9558	25.780	7.4409	281.49	0.7082	3.4528	4.1055	4.2434	9.5723	0.82771	1.4315	2.2057
2010 July	1.9558	25.328	7.4522	283.75	0.7090	3.4528	4.0814	4.2608	9.4954	0.83566	1.4586	2.2600
2010 Aug	1.9558	24.806	7.4495	281.45	0.7085	3.4528	3.9899	4.2396	9.4216	0.82363	1.4337	2.2691
2010 Sep	1.9558	24.651	7.4476	282.10	0.7091	3.4528	3.9548	4.2655	9.2241	0.83987	1.3943	2.2476
2010 Oct	1.9558	24.531	7.4567	274.01	0.7094	3.4528	3.9496	4.2787	9.2794	0.87638	1.4164	2.3378
2010 Nov	1.9558	24.633	7.4547	275.51	0.7094	3.4528	3.9520	4.2940	9.3166	0.85510	1.3813	2.3391
2010 Dec	1.9558	25.174	7.4528	277.62	0.7096	3.4528	3.9962	4.2929	9.0559	0.84813	1.3304	2.2387
2011 Jan	1.9558	24.449	7.4518	275.33	0.7034	3.4528	3.8896	4.2624	8.9122	0.84712	1.3417	2.2371
2011 Feb	1.9558	24.277	7.4555	271.15	0.7037	3.4528	3.9264	4.2457	8.7882	0.84635	1.3543	2.2765
2011 Mar	1.9558	24.393	7.4574	270.89	0.7072	3.4528	4.0145	4.1621	8.8864	0.86653	1.3854	2.3220
2011 Apr	1.9558	24.301	7.4574	265.29	0.7092	3.4528	3.9694	4.1004	8.9702	0.88291	1.3662	2.2889
2011 May	1.9558	24.381	7.4566	266.96	0.7093	3.4528	3.9404	4.1142	8.9571	0.87788	1.3437	2.3131
2011 June	1.9558	24.286	7.4579	266.87	0.7091	3.4528	3.9702	4.1937	9.1125	0.88745	1.3567	2.2850
2011 July	1.9558	24.335	7.4560	267.68	0.7092	3.4528	3.9951	4.2413	9.1340	0.88476	1.3249	2.2329
2011 Aug	1.9558	24.273	7.4498	272.37	0.7093	3.4528	4.1195	4.2505	9.1655	0.87668	1.3651	2.2888
2011 Sep	1.9558	24.556	7.4462	285.05	0.7093	3.4528	4.3379	4.2838	9.1343	0.87172	1.3458	2.3946
2011 Oct	1.9558	24.841	7.4442	296.79	0.7061	3.4528	4.3516	4.3244	9.1138	0.87036	1.3525	2.4336
2011 Nov	1.9558	25.464	7.4412	309.15	0.7015	3.4528	4.4324	4.3560	9.1387	0.85740	1.3414	2.4210
2011 Dec	1.9558	25.514	7.4341	304.19	0.6975	3.4528	4.4774	4.3282	9.0184	0.84405	1.3003	2.4175
2012 Jan	1.9558	25.531	7.4353	307.33	0.6990	3.4528	4.3760	4.3417	8.8503	0.83210	1.2405	2.3084
2012 Feb	1.9558	25.042	7.4341	290.68	0.6988	3.4528	4.1835	4.3513	8.8196	0.83696	1.2327	2.2729
2012 Mar	1.9558	24.676	7.4354	292.26	0.6977	3.4528	4.1370	4.3668	8.8873	0.83448	1.2538	2.3674
2012 Apr	1.9558	24.809	7.4393	294.81	0.6993	3.4528	4.1782	4.3789	8.8650	0.82188	1.2718	2.4405
2012 May	1.9558	25.313	7.4335	293.67	0.6981	3.4528	4.2937	4.4412	8.9924	0.80371	1.2825	2.5357
2012 June	1.9558	25.640	7.4325	293.57	0.6969	3.4528	4.2973	4.4626	8.8743	0.80579	1.2550	2.5658
2012 July	1.9558	25.447	7.4384	286.28	0.6963	3.4528	4.1837	4.5549	8.5451	0.78827	1.1931	2.4914
2012 Aug	1.9558	25.021	7.4454	278.93	0.6963	3.4528	4.0934	4.5176	8.2805	0.78884	1.1841	2.5170
2012 Sep	1.9558	24.752	7.4539	284.22	0.6962	3.4528	4.1345	4.5022	8.4929	0.79821	1.2372	2.6066
2012 Oct	1.9558	24.939	7.4582	282.09	0.6962	3.4528	4.1071	4.5624	8.6145	0.80665	1.2596	2.6333
2012 Nov	1.9558	25.365	7.4587	282.26	0.6962	3.4528	4.1321	4.5273	8.6076	0.80389	1.2331	2.6512

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. 1 Up to December 2007, ECB indicative rates. 2 The ECB has not fixed a euro reference exchange rate for the

Icelandic krona since 4 December 2008. 3 Up to December 2008, ECB indicative rates. 4 Up to December 2010, ECB indicative rates.

II Euro reference exchange rates of the European Central Bank *

European countries												
Canada	China	Croatia	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		Period
Canadian dollar CAD	Chinese yuan renminbi CNY	Croatian kuna HRK	Hong Kong dollar HKD	Icelandic krona ISK 2	Indian rupee INR 3	Indonesian rupiah IDR	New Israeli sheqel ILS 4	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR		
1.4163	10.8957	7.3365	11.4211	89.34	57.7965	13,608.92	5.7445	162.89	1,348.46	4.9279		2007 Nov
1.4620	10.7404	7.3178	11.3619	90.82	57.3607	13,620.45	5.6909	163.55	1,356.79	4.8576		Dec
1.4862	10.6568	7.3155	11.4863	94.50	57.7981	13,839.19	5.5168	158.68	1,387.66	4.8090		2008 Jan
1.4740	10.5682	7.2707	11.4996	98.06	58.5077	13,542.26	5.3210	157.97	1,392.57	4.7548		Feb
1.5519	10.9833	7.2662	12.0832	112.08	62.3968	14,241.09	5.4478	156.59	1,523.14	4.9455		Mar
1.5965	11.0237	7.2654	12.2728	116.65	62.9946	14,497.21	5.5462	161.56	1,555.98	4.9819		Apr
1.5530	10.8462	7.2539	12.1341	117.46	65.5590	14,436.99	5.2550	162.31	1,613.18	5.0081		May
1.5803	10.7287	7.2469	12.1425	123.28	66.5632	14,445.41	5.2276	166.26	1,604.95	5.0666		June
1.5974	10.7809	7.2297	12.3004	123.61	67.5111	14,442.77	5.3231	168.45	1,604.58	5.1258		July
1.5765	10.2609	7.1947	11.6932	122.07	64.3236	13,700.21	5.3246	163.63	1,566.23	4.9843		Aug
1.5201	9.8252	7.1223	11.1905	131.33	65.4115	13,430.23	5.0807	153.20	1,630.26	4.9461		Sep
1.5646	9.1071	7.1639	10.3368	274.64	64.5866	13,283.63	4.8854	133.52	1,759.07	4.6895		Oct
1.5509	8.6950	7.1366	9.8687	242.95	62.1436	14,984.85	4.9569	123.28	1,783.12	4.5682		Nov
1.6600	9.2205	7.2245	10.4240	290.00	65.1465	15,276.62	5.2033	122.51	1,850.06	4.7755		Dec
1.6233	9.0496	7.3603	10.2687	–	64.5104	14,802.07	5.1793	119.73	1,801.97	4.7291		2009 Jan
1.5940	8.7406	7.4309	9.9128	–	62.8849	15,233.33	5.2437	118.30	1,843.90	4.6466		Feb
1.6470	8.9210	7.4430	10.1138	–	66.8026	15,477.84	5.4354	127.65	1,894.48	4.7949		Mar
1.6188	9.0110	7.4172	10.2229	–	66.0471	14,552.65	5.5290	130.25	1,760.14	4.7562		Apr
1.5712	9.3157	7.3515	10.5807	–	66.1762	14,137.45	5.5552	131.85	1,710.18	4.8057		May
1.5761	9.5786	7.2954	10.8638	–	66.9191	14,315.40	5.5260	135.39	1,768.80	4.9305		June
1.5824	9.6246	7.3307	10.9182	–	68.2333	14,241.51	5.4784	133.09	1,778.43	4.9963		July
1.5522	9.7485	7.3287	11.0587	–	68.9570	14,270.78	5.4694	135.31	1,768.99	5.0185		Aug
1.5752	9.9431	7.3102	11.2858	–	70.4154	14,346.84	5.4813	133.14	1,768.58	5.0862		Sep
1.5619	10.1152	7.2419	11.4828	–	69.2160	14,057.25	5.5194	133.91	1,739.94	5.0425		Oct
1.5805	10.1827	7.2952	11.5588	–	69.4421	14,115.45	5.6352	132.97	1,735.17	5.0553		Nov
1.5397	9.9777	7.2907	11.3296	–	68.0924	13,830.84	5.5373	131.21	1,703.03	4.9859		Dec
1.4879	9.7436	7.2938	11.0783	–	65.5361	13,263.60	5.2964	130.34	1,624.76	4.8170		2010 Jan
1.4454	9.3462	7.3029	10.6305	–	63.4291	12,786.05	5.1258	123.46	1,582.70	4.6743		Feb
1.3889	9.2623	7.2616	10.5313	–	61.7352	12,434.53	5.0772	123.03	1,542.59	4.5083		Mar
1.3467	9.1505	7.2594	10.4065	–	59.6203	12,101.70	4.9773	125.33	1,494.53	4.2935		Apr
1.3060	8.5794	7.2630	9.7843	–	57.6166	11,517.01	4.7640	115.83	1,465.81	4.0874		May
1.2674	8.3245	7.2225	9.5091	–	56.8582	11,169.39	4.7048	110.99	1,483.22	3.9853		June
1.3322	8.6538	7.2198	9.9308	–	59.8100	11,546.78	4.9236	111.73	1,538.85	4.0924		July
1.3411	8.7520	7.2525	10.0193	–	60.0584	11,573.26	4.8906	110.04	1,522.39	4.0654		Aug
1.3515	8.8104	7.2874	10.1470	–	60.0771	11,716.16	4.8792	110.26	1,517.10	4.0570		Sep
1.4152	9.2665	7.3277	10.7835	–	61.7399	12,407.16	5.0192	113.67	1,560.30	4.3092		Oct
1.3831	9.0895	7.3830	10.5941	–	61.4539	12,224.00	4.9770	112.69	1,544.16	4.2588		Nov
1.3327	8.7873	7.3913	10.2776	–	59.6472	11,925.21	4.7618	110.11	1,513.74	4.1313		Dec
1.3277	8.8154	7.4008	10.3945	–	60.7161	12,077.47	4.7909	110.38	1,495.50	4.0895		2011 Jan
1.3484	8.9842	7.4149	10.6312	–	62.0142	12,165.92	4.9939	112.77	1,524.99	4.1541		Feb
1.3672	9.1902	7.3915	10.9093	–	62.9526	12,263.18	4.9867	114.40	1,568.05	4.2483		Mar
1.3834	9.4274	7.3639	11.2269	–	64.1128	12,493.48	4.9573	120.42	1,567.52	4.3502		Apr
1.3885	9.3198	7.4052	11.1551	–	64.4735	12,290.33	4.9740	116.47	1,555.99	4.3272		May
1.4063	9.3161	7.4065	11.2021	–	64.5200	12,327.02	4.9169	115.75	1,555.32	4.3585		June
1.3638	9.2121	7.4316	11.1104	–	63.3537	12,171.27	4.8801	113.26	1,510.29	4.2716		July
1.4071	9.1857	7.4620	11.1846	–	65.0717	12,249.95	5.0841	110.43	1,542.01	4.2822		Aug
1.3794	8.7994	7.4936	10.7333	–	65.5964	12,118.49	5.0788	105.75	1,544.04	4.2456		Sep
1.3981	8.7308	7.4849	10.6616	–	67.5519	12,150.54	5.0253	105.06	1,578.17	4.2963		Oct
1.3897	8.6154	7.4923	10.5495	–	68.8330	12,214.99	5.0521	105.02	1,537.42	4.2756		Nov
1.3481	8.3563	7.5136	10.2496	–	69.2066	11,965.40	4.9725	102.55	1,513.26	4.1639		Dec
1.3073	8.1465	7.5543	10.0187	–	66.0601	11,709.25	4.9141	99.33	1,474.96	4.0151		2012 Jan
1.3193	8.3314	7.5815	10.2553	–	65.0589	11,913.82	4.9474	103.77	1,485.58	3.9978		Feb
1.3121	8.3326	7.5358	10.2474	–	66.5399	12,082.50	4.9679	108.88	1,487.83	4.0229		Mar
1.3068	8.2921	7.4991	10.2163	–	68.1939	12,068.69	4.9362	107.00	1,495.40	4.0277		Apr
1.2916	8.0806	7.5383	9.9291	–	69.6407	11,913.51	4.8974	101.97	1,481.36	3.9688		May
1.2874	7.9676	7.5434	9.7192	–	70.1673	11,830.22	4.8763	99.26	1,458.61	3.9836		June
1.2461	7.8288	7.5006	9.5308	–	68.1061	11,605.16	4.9042	97.07	1,404.11	3.8914		July
1.2315	7.8864	7.4853	9.6177	–	68.8632	11,777.55	4.9779	97.58	1,403.93	3.8643		Aug
1.2583	8.1273	7.4291	9.9686	–	70.0452	12,287.93	5.0717	100.49	1,444.65	3.9599		Sep
1.2801	8.1390	7.5140	10.0574	–	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649		Oct
1.2787	7.9998	7.5410	9.9423	–	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230		Nov

II Euro reference exchange rates of the European Central Bank *

2 Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico Mexican peso MXN ¹	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira ² TRY	United States US dollar USD
2007 Nov	15.9776	1.9231	7.9519	63.271	35.9174	2.1242	9.8553	1.6485	46.120	1.7498	1.4684
2007 Dec	15.8096	1.8930	8.0117	60.556	35.7927	2.1108	9.9626	1.6592	44.153	1.7195	1.4570
2008 Jan	16.0639	1.9054	7.9566	60.079	36.0300	2.1062	10.3101	1.6203	44.758	1.7322	1.4718
2008 Feb	15.8786	1.8513	7.9480	59.845	36.1357	2.0808	11.2899	1.6080	46.085	1.7632	1.4748
2008 Mar	16.6678	1.9344	7.9717	64.031	36.8259	2.1489	12.3712	1.5720	48.848	1.9309	1.5527
2008 Apr	16.5608	1.9960	7.9629	65.790	37.0494	2.1493	12.2729	1.5964	49.752	2.0500	1.5751
2008 May	16.2402	2.0011	7.8648	66.895	36.9042	2.1259	11.8696	1.6247	49.942	1.9408	1.5557
2008 Jun	16.0617	2.0424	7.9915	68.903	36.7723	2.1278	12.3467	1.6139	51.649	1.9206	1.5553
2008 July	16.1119	2.0900	8.0487	70.694	36.8261	2.1438	12.0328	1.6193	52.821	1.9128	1.5770
2008 Aug	15.1269	2.1097	7.9723	67.307	36.2502	2.1024	11.4680	1.6212	50.697	1.7669	1.4975
2008 Sep	15.2805	2.1293	8.1566	67.113	36.3727	2.0549	11.5899	1.5942	49.264	1.7843	1.4370
2008 Oct	16.8177	2.1891	8.5928	63.882	35.2144	1.9666	12.9341	1.5194	45.872	1.9612	1.3322
2008 Nov	16.6735	2.2554	8.8094	62.496	34.7964	1.9183	12.8785	1.5162	44.677	2.0342	1.2732
2008 Dec	18.0764	2.4119	9.4228	64.505	37.8999	1.9888	13.4275	1.5393	47.107	2.0894	1.3449
2009 Jan	18.3762	2.4132	9.2164	62.354	42.3282	1.9742	13.1255	1.4935	46.218	2.1233	1.3239
2009 Feb	18.6536	2.4851	8.7838	60.832	45.8079	1.9411	12.8005	1.4904	45.156	2.1280	1.2785
2009 Mar	19.1278	2.4527	8.8388	63.105	45.1451	1.9949	12.9870	1.5083	46.667	2.2340	1.3050
2009 Apr	17.7645	2.3123	8.7867	63.462	44.2135	1.9823	11.8784	1.5147	46.741	2.1277	1.3190
2009 May	17.9969	2.2663	8.7943	64.600	43.5678	1.9939	11.4475	1.5118	47.241	2.1251	1.3650
2009 Jun	18.6813	2.1967	8.9388	67.036	43.5553	2.0357	11.2718	1.5148	47.844	2.1675	1.4016
2009 July	18.8143	2.1873	8.9494	67.724	44.3881	2.0421	11.2007	1.5202	47.969	2.1378	1.4088
2009 Aug	18.5571	2.1097	8.6602	68.803	45.1972	2.0577	11.3415	1.5236	48.543	2.1236	1.4268
2009 Sep	19.5255	2.0691	8.5964	69.967	44.7624	2.0720	10.9495	1.5148	49.239	2.1711	1.4562
2009 Oct	19.5856	2.0065	8.3596	69.419	43.6188	2.0714	11.0938	1.5138	49.504	2.1823	1.4816
2009 Nov	19.5478	2.0450	8.4143	70.165	43.1835	2.0711	11.2134	1.5105	49.634	2.2262	1.4914
2009 Dec	18.7787	2.0383	8.4066	67.706	43.9019	2.0392	10.9261	1.5021	48.544	2.2013	1.4614
2010 Jan	18.2820	1.9646	8.1817	65.702	42.5749	1.9930	10.6492	1.4765	47.150	2.1028	1.4272
2010 Feb	17.7154	1.9615	8.0971	63.317	41.2845	1.9326	10.4964	1.4671	45.360	2.0756	1.3686
2010 Mar	17.0587	1.9301	8.0369	61.999	40.1219	1.8990	10.0589	1.4482	44.111	2.0821	1.3569
2010 Apr	16.3957	1.8814	7.9323	59.788	39.1335	1.8505	9.8658	1.4337	43.279	1.9983	1.3406
2010 May	15.9856	1.8010	7.8907	57.315	38.2707	1.7503	9.6117	1.4181	40.714	1.9459	1.2565
2010 Jun	15.5346	1.7667	7.9062	56.594	38.1507	1.7081	9.3398	1.3767	39.635	1.9274	1.2209
2010 July	16.3699	1.7925	8.0201	59.072	39.1317	1.7588	9.6351	1.3460	41.273	1.9669	1.2770
2010 Aug	16.4571	1.8059	7.9325	58.245	39.1898	1.7482	9.4192	1.3413	40.937	1.9484	1.2894
2010 Sep	16.7361	1.7955	7.9156	57.772	40.2564	1.7439	9.3236	1.3089	40.264	1.9528	1.3067
2010 Oct	17.2845	1.8498	8.1110	60.285	42.1471	1.8116	9.6165	1.3452	41.636	1.9800	1.3898
2010 Nov	16.8386	1.7703	8.1463	59.485	42.3360	1.7739	9.5320	1.3442	40.826	1.9717	1.3661
2010 Dec	16.3797	1.7587	7.9020	58.050	40.7385	1.7262	9.0143	1.2811	39.805	2.0159	1.3220
2011 Jan	16.1926	1.7435	7.8199	59.089	40.2557	1.7193	9.2652	1.2779	40.827	2.0919	1.3360
2011 Feb	16.4727	1.7925	7.8206	59.558	39.9469	1.7421	9.8126	1.2974	41.918	2.1702	1.3649
2011 Mar	16.8063	1.8877	7.8295	60.870	39.8061	1.7757	9.6862	1.2867	42.506	2.2108	1.3999
2011 Apr	16.9211	1.8331	7.8065	62.361	40.5363	1.8024	9.7200	1.2977	43.434	2.1975	1.4442
2011 May	16.7177	1.8024	7.8384	61.953	40.0573	1.7763	9.8461	1.2537	43.398	2.2603	1.4349
2011 Jun	16.9931	1.7666	7.8302	62.468	40.2670	1.7763	9.7807	1.2092	43.923	2.3077	1.4388
2011 July	16.6491	1.6877	7.7829	60.961	39.8343	1.7359	9.7000	1.1766	42.949	2.3654	1.4264
2011 Aug	17.5456	1.7108	7.7882	60.836	41.2954	1.7340	10.1532	1.1203	42.875	2.5147	1.4343
2011 Sep	17.9370	1.6932	7.7243	59.322	42.3239	1.7229	10.3956	1.2005	41.902	2.4736	1.3770
2011 Oct	18.4315	1.7361	7.7474	59.412	42.8569	1.7493	10.9188	1.2295	42.297	2.5089	1.3706
2011 Nov	18.5646	1.7584	7.7868	58.743	41.8082	1.7476	11.0547	1.2307	41.969	2.4565	1.3556
2011 Dec	18.1174	1.7102	7.7451	57.537	41.5686	1.7070	10.7829	1.2276	41.099	2.4632	1.3179
2012 Jan	17.3140	1.6132	7.6752	56.208	40.4394	1.6510	10.3405	1.2108	40.718	2.3759	1.2905
2012 Feb	16.9159	1.5845	7.5522	56.419	39.4232	1.6585	10.1289	1.2071	40.614	2.3264	1.3224
2012 Mar	16.8239	1.6104	7.5315	56.634	38.7804	1.6624	10.0475	1.2061	40.557	2.3631	1.3201
2012 Apr	17.1900	1.6095	7.5698	56.145	38.8087	1.6459	10.3060	1.2023	40.639	2.3520	1.3162
2012 May	17.4237	1.6538	7.5655	54.908	39.5585	1.6152	10.4412	1.2012	40.077	2.3149	1.2789
2012 Jun	17.4529	1.6062	7.5401	53.510	41.1766	1.6016	10.5050	1.2011	39.640	2.2837	1.2526
2012 July	16.4263	1.5390	7.4579	51.452	39.9467	1.5494	10.1379	1.2011	38.873	2.2281	1.2288
2012 Aug	16.3600	1.5306	7.3239	52.173	39.6334	1.5480	10.2585	1.2011	38.974	2.2291	1.2400
2012 Sep	16.6413	1.5721	7.3945	53.629	40.4006	1.5837	10.6512	1.2089	39.842	2.3177	1.2856
2012 Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
2012 Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. ¹ Up to December 2007, ECB indicative rates. ² Up to end-2008, New Turkish lira.

II Euro reference exchange rates of the European Central Bank *

3 End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries										
Period	Bulgaria	Cyprus	Czech Republic	Denmark	Estonia	Greece	Hungary	Latvia	Lithuania	Malta
	Bulgarian lev BGN 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Greek drachma GRD 2	Hungarian forint HUF	Latvian lats LVL 1	Lithuanian litas LTL 1	Maltese lira MTL 1 2
End of year										
1999	.	0.57667	36.103	7.4433	15.6466	330.30	254.70	0.5881	4.0169	0.4151
2000	1.9543	0.57369	35.047	7.4631	15.6466	340.75	265.00	0.5764	3.7229	0.4075
2001	1.9463	0.57504	31.962	7.4365	15.6466	–	245.18	0.5563	3.5228	0.3994
2002	1.9546	0.57316	31.577	7.4288	15.6466	–	236.29	0.6140	3.4525	0.4182
2003	1.9557	0.58637	32.410	7.4450	15.6466	–	262.50	0.6725	3.4524	0.4317
2004	1.9559	0.58000	30.464	7.4388	15.6466	–	245.97	0.6979	3.4528	0.4343
2005	1.9563	0.57350	29.000	7.4605	15.6466	–	252.87	0.6962	3.4528	0.4293
2006	1.9558	0.57820	27.485	7.4560	15.6466	–	251.77	0.6972	3.4528	0.4293
2007	1.9558	0.585274	26.628	7.4583	15.6466	–	253.73	0.6964	3.4528	0.4293
2008	1.9558	–	26.875	7.4506	15.6466	–	266.70	0.7083	3.4528	–
2009	1.9558	–	26.473	7.4418	15.6466	–	270.42	0.7093	3.4528	–
2010	1.9558	–	25.061	7.4535	15.6466	–	277.95	0.7094	3.4528	–
2011	1.9558	–	25.787	7.4342	–	–	314.58	0.6995	3.4528	–
Annual averages +										
1999	.	0.57884	36.884	7.4355	15.6466	325.76	252.77	0.6256	4.2641	0.4258
2000	3 1.9477	0.57392	35.599	7.4538	15.6466	336.63	260.04	0.5592	3.6952	0.4041
2001	1.9482	0.57589	34.068	7.4521	15.6466	–	256.59	0.5601	3.5823	0.4030
2002	1.9492	0.57530	30.804	7.4305	15.6466	–	242.96	0.5810	3.4594	0.4089
2003	1.9490	0.58409	31.846	7.4307	15.6466	–	253.62	0.6407	3.4527	0.4261
2004	1.9533	0.58185	31.891	7.4399	15.6466	–	251.66	0.6652	3.4529	0.4280
2005	1.9558	0.57683	29.782	7.4518	15.6466	–	248.05	0.6962	3.4528	0.4299
2006	1.9558	0.57578	28.342	7.4591	15.6466	–	264.26	0.6962	3.4528	0.4293
2007	1.9558	0.58263	27.766	7.4506	15.6466	–	251.35	0.7001	3.4528	0.4293
2008	1.9558	–	24.946	7.4560	15.6466	–	251.51	0.7027	3.4528	–
2009	1.9558	–	26.435	7.4462	15.6466	–	280.33	0.7057	3.4528	–
2010	1.9558	–	25.284	7.4473	15.6466	–	275.48	0.7087	3.4528	–
2011	1.9558	–	24.590	7.4506	–	–	279.37	0.7063	3.4528	–
EU member countries (cont'd)										
EU member countries (cont'd)						Other European and non-European countries				
Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada	China	
Polish zloty PLN	Romanian Leu (old)/(new) ROL/RON 1 4	Slovak koruna SKK 1 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 5	Canadian dollar CAD	Chinese yuan renminbi CNY 6	
End of year										
1999	4.1587	18,345	42.402	198.9055	8.5625	0.62170	1.5422	.	1.4608	.
2000	3.8498	24,142	43.933	213.5401	8.8313	0.62410	1.6770	1.8149	1.3965	7.7017
2001	3.4953	27,817	42.780	218.8364	9.3012	0.60850	1.7280	2.0465	1.4077	7.2945
2002	4.0210	35,135	41.503	230.1577	9.1528	0.65050	1.8556	3.7124	1.6550	8.6801
2003	4.7019	41,158	41.170	236.7000	9.0800	0.70480	1.6802	3.6698	1.6234	10.4539
2004	4.0845	39,390	38.745	239.7600	9.0206	0.70505	1.7459	3.6201	1.6416	11.2741
2005	3.8600	4 3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725	9.5204
2006	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.0421	10.2793
2007	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449	10.7524
2008	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998	9.4956
2009	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128	9.8350
2010	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322	8.8220
2011	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215	8.1588
Annual averages +										
1999	4.2274	16,345	44.123	194.4732	8.8075	0.65874	1.6523	.	1.5840	.
2000	4.0082	19,922	42.602	206.6127	8.4452	0.60948	1.5889	7 1.6821	1.3706	7 7.6168
2001	3.6721	26,004	43.300	217.9797	9.2551	0.62187	1.7319	2.1069	1.3864	7.4131
2002	3.8574	31,270	42.694	225.9772	9.1611	0.62883	1.7376	2.7896	1.4838	7.8265
2003	4.3996	37,551	41.489	233.8493	9.1242	0.69199	1.7379	3.4701	1.5817	9.3626
2004	4.5268	40,510	40.022	239.0874	9.1243	0.67866	1.6905	3.6362	1.6167	10.2967
2005	4.0230	4 3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087	10.1955
2006	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237	10.0096
2007	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	2.6633	1.4678	10.4178
2008	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737	1.5594	10.2236
2009	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674	1.5850	9.5277
2010	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314	1.3651	8.9712
2011	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265	1.3761	8.9960

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. 1 Up to September 2000, ECB indicative rates. 2 Accession to the euro area, see p 7 (Table I 1). 3 Average from 19 July to 29 December 2000. 4 Currency conversion effective from 1 July 2005:

ROL 10,000 = RON 1; to calculate the annual average for 2005, the rates set in (old) Romanian lei were converted at a rate of 10,000:1 and included in the calculation. 5 Up to December 2007, ECB indicative rates. 6 Up to March 2005, ECB indicative rates. 7 Average from 13 January to 29 December 2000.

II Euro reference exchange rates of the European Central Bank *

3 End-of-year rates and annual averages (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)										
	Croatia	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico
Period	Croatian kuna HRK ¹	Hong Kong dollar HKD ²	Icelandic krona ISK ^{2 3}	Indian rupee INR ⁴	Indonesian rupiah IDR ¹	New Israeli sheqel ILS ⁵	Japanese yen JPY	South Korean won KRW ²	Malaysian ringgit MYR ¹	Mexican peso MXN ⁶
End of year										
1999	.	7.8033	72.83	.	7,052.77	.	102.73	1,137.28	3.8148	9.5320
2000	7.5800	7.2578	78.80	43.4290	9,077.75	3.7620	106.92	1,177.08	3.5380	8.9255
2001	7.3490	6.8723	91.48	42.4950	9,227.43	3.8746	115.33	1,161.55	3.3475	8.0466
2002	7.4750	8.1781	84.74	50.2930	9,387.21	4.9708	124.39	1,243.76	3.9857	10.9605
2003	7.6451	9.8049	89.46	57.5780	10,643.10	5.5424	135.05	1,506.32	4.8019	14.1807
2004	7.6650	10.5881	83.60	59.2590	12,653.91	5.8922	139.65	1,410.05	5.1802	15.2235
2005	7.3715	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	7.3504	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	7.3308	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	7.3555	10.7858	³ -	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	7.3000	11.1709	-	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	7.3830	10.3856	-	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	7.5370	10.0510	-	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
Annual averages ⁺										
1999	.	8.2694	77.18	.	8,386.62	.	121.32	1,267.26	4.0498	10.1945
2000	⁷ 7.6410	7.1973	72.58	⁷ 41.3561	7,731.57	⁷ 3.7506	99.47	1,043.50	3.5101	8.7361
2001	7.4820	6.9855	87.42	42.2471	9,167.71	3.7672	108.68	1,154.83	3.4036	8.3710
2002	7.4130	7.3750	86.18	45.9248	8,785.12	4.4800	118.06	1,175.50	3.5933	9.1628
2003	7.5688	8.8079	86.65	52.6100	9,685.54	5.1340	130.97	1,346.90	4.2983	12.2144
2004	7.4967	9.6881	87.14	56.3008	11,127.34	5.5706	134.44	1,422.62	4.7273	14.0386
2005	7.4008	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	7.3247	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	7.3376	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	7.2239	11.4541	³ 143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	7.3400	10.8114	-	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	7.2891	10.2994	-	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	7.4390	10.8362	-	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877

Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD ²	South African rand ZAR ²	Swiss franc CHF	Thai baht THB ¹	Turkish lira / New Turkish lira TRY / TRY ^{2 8}	US dollar USD
End of year										
1999	1.9357	8.0765	40.407	27.6689	1.6718	6.1870	1.6051	37.598	544,641	1.0046
2000	2.1120	8.2335	46.562	26.6746	1.6126	7.0392	1.5232	40.291	624,267	0.9305
2001	2.1215	7.9515	45.437	26.8631	1.6306	10.4302	1.4829	38.945	1,269,500	0.8813
2002	1.9975	7.2756	56.318	33.5108	1.8199	9.0094	1.4524	45.237	1,738,000	1.0487
2003	1.9244	8.4141	70.171	36.9555	2.1450	8.3276	1.5579	50.041	1,771,638	1.2630
2004	1.8871	8.2365	76.510	37.7879	2.2262	7.6897	1.5429	53.042	1,836,200	1.3621
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	⁸ 1.5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
Annual averages ⁺										
1999	2.0145	8.3104	41.675	26.5187	1.8064	6.5188	1.6003	40.335	447,238	1.0658
2000	2.0288	8.1129	40.737	26.0182	1.5923	6.3899	1.5579	37.032	574,816	0.9236
2001	2.1300	8.0484	45.660	26.1510	1.6039	7.6873	1.5105	39.841	1,102,425	0.8956
2002	2.0366	7.5086	48.837	29.7028	1.6912	9.9072	1.4670	40.637	1,439,680	0.9456
2003	1.9438	8.0033	61.336	34.6699	1.9703	8.5317	1.5212	46.923	1,694,851	1.1312
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	⁸ 1.6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. ¹ Up to March 2005, ECB indicative rates. ² Up to September 2000, ECB indicative rates. ³ The ECB has not fixed a euro reference exchange rate for the Icelandic krona since 4 December 2008. ⁴ Up to December 2008, ECB indicative rates. ⁵ Up to December 2010, ECB indica-

tive rates. ⁶ Up to December 2007, ECB indicative rates. ⁷ Average from 13 January to 29 December 2000. ⁸ Currency conversion effective from 1 January 2005: 1,000,000 Turkish lira (TRL) = 1 New Turkish lira (TRY), designated as Turkish lira (TRY) since 1 January 2009.

II. Euro reference exchange rates of the European Central Bank

4 Exchange rates of major currencies



1 Last monthly average: November 2012. **2** Last updated: 10 December 2012.

III Effective exchange rates of the euro *

1 Annual and monthly averages

1999 Q1 = 100

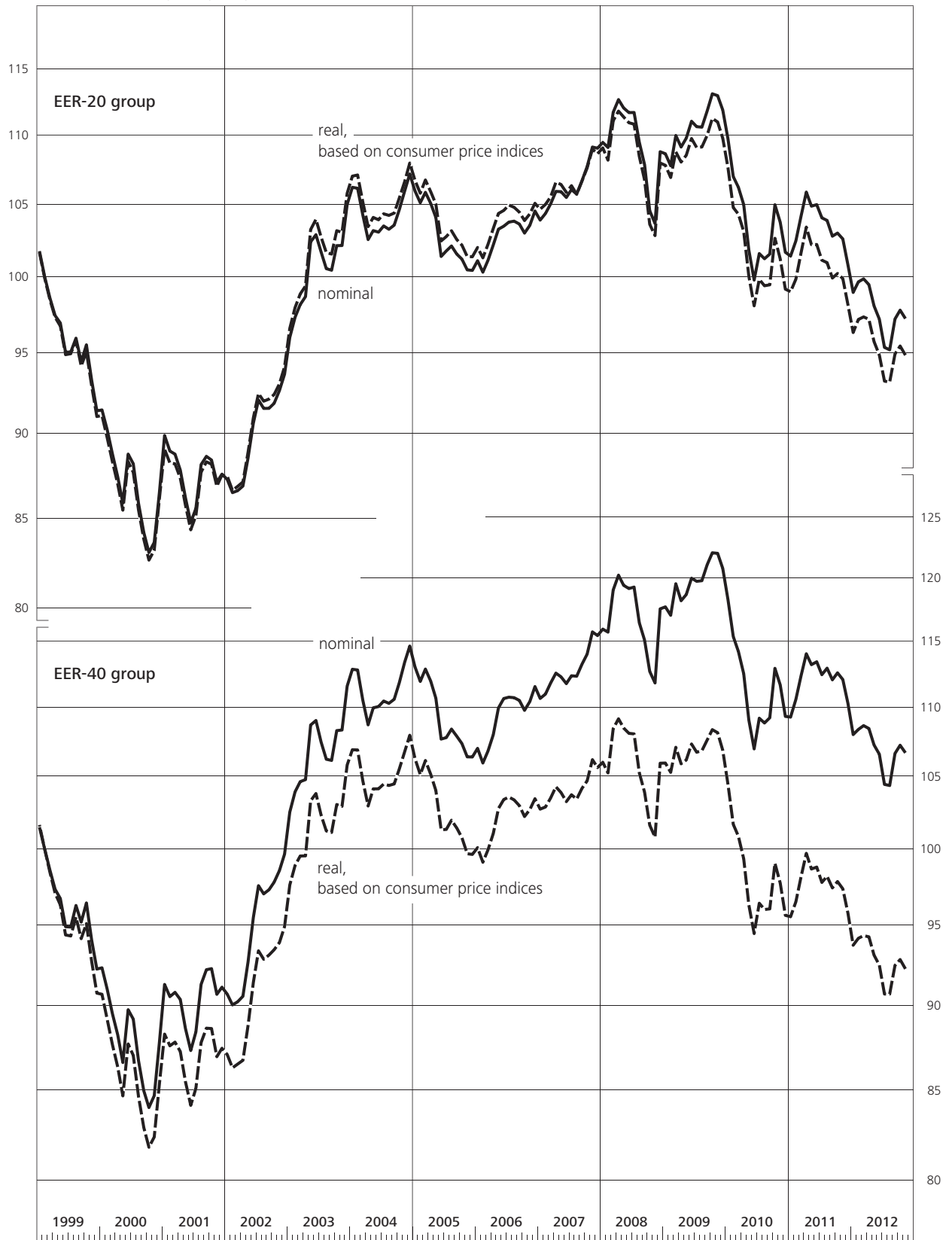
Period	Effective exchange rate of the euro ¹				<i>Memo item</i> Indicators of the German economy's price competitiveness based on consumer price indices					
	EER-20		EER-40		24 selected industrial countries			36 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	Euro-area countries	Non-euro- area countries			
1999	96.2	96.0	96.5	95.8	98.2	100.0	95.8	98.0	97.7	
2000	87.0	86.5	87.9	85.8	92.9	99.0	85.7	91.9	90.9	
2001	87.6	87.2	90.4	87.1	92.9	98.1	86.8	91.4	90.8	
2002	90.0	90.3	94.8	90.7	93.5	96.9	89.6	91.9	91.7	
2003	100.6	101.5	106.8	101.6	97.0	95.7	99.2	96.5	96.7	
2004	104.4	105.3	111.3	105.2	98.4	95.4	102.9	98.0	98.2	
2005	102.9	103.8	109.3	102.7	98.4	95.2	103.3	96.9	96.5	
2006	102.8	103.8	109.3	102.0	98.5	94.8	104.2	96.4	95.8	
2007	106.2	106.5	112.8	104.0	100.8	95.1	109.8	97.8	96.9	
2008	109.4	108.6	116.9	105.9	102.2	94.5	114.9	97.8	97.0	
2009	110.6	109.2	119.7	106.8	101.7	94.4	113.8	97.9	97.3	
2010	103.6	101.6	111.4	98.1	98.8	94.0	106.1	93.8	92.2	
2011	103.4	100.7	112.1	97.6	98.2	93.6	105.2	93.1	91.7	
2008 July	111.7	110.8	119.3	108.0	103.5	94.5	118.9	98.6	97.9	
Aug	109.5	108.4	116.4	105.2	102.5	94.4	116.2	97.5	96.4	
Sep	107.8	106.7	115.1	103.9	101.7	94.5	113.6	96.7	95.8	
Oct	104.5	103.6	112.7	101.6	99.8	94.3	108.4	95.1	94.5	
Nov	103.6	102.8	111.8	100.8	99.7	94.4	108.1	94.9	94.2	
Dec	108.8	107.9	117.5	105.9	101.5	94.4	113.3	97.3	96.9	
2009 Jan	108.6	107.8	117.7	105.9	101.3	94.5	112.5	97.3	96.9	
Feb	107.7	106.9	117.0	105.3	100.6	94.6	110.1	97.1	96.8	
Mar	110.0	108.8	119.5	107.1	101.4	94.4	112.9	97.7	97.5	
Apr	109.1	108.0	118.2	105.9	101.4	94.4	112.8	97.3	96.8	
May	109.8	108.5	118.7	106.1	101.5	94.3	113.2	97.5	96.9	
June	111.0	109.7	120.0	107.3	101.9	94.6	114.0	98.3	97.7	
July	110.6	109.1	119.7	106.7	101.8	94.5	113.7	97.8	97.2	
Aug	110.6	109.1	119.8	106.8	101.9	94.6	114.0	97.9	97.4	
Sep	111.8	110.0	121.1	107.6	102.1	94.4	114.9	98.2	97.6	
Oct	113.1	111.2	122.0	108.3	102.6	94.4	116.4	98.8	98.1	
Nov	113.0	111.0	122.0	108.1	102.3	94.3	115.9	98.6	97.9	
Dec	111.9	109.8	120.8	106.8	102.2	94.4	115.1	98.2	97.4	
2010 Jan	109.7	107.6	118.3	104.4	101.2	94.3	112.7	97.0	95.9	
Feb	107.0	104.8	115.3	101.6	100.2	94.2	109.7	95.6	94.3	
Mar	106.2	104.3	114.2	100.8	100.2	94.2	109.7	95.2	93.8	
Apr	105.0	103.1	112.5	99.3	99.5	93.9	108.3	94.4	92.7	
May	101.8	100.0	109.0	96.3	98.2	94.0	104.5	93.0	91.2	
June	99.8	98.1	106.9	94.4	97.2	94.0	101.6	92.1	90.3	
July	101.6	99.8	109.2	96.4	97.8	94.0	103.2	92.9	91.2	
Aug	101.2	99.4	108.8	96.0	97.6	93.9	102.8	92.7	91.0	
Sep	101.5	99.5	109.2	96.0	97.7	93.9	103.2	92.7	91.0	
Oct	105.0	102.6	112.9	99.0	99.1	93.8	107.4	94.2	92.6	
Nov	103.7	101.2	111.7	97.7	98.8	94.0	106.1	93.7	92.0	
Dec	101.7	99.2	109.3	95.6	97.8	94.0	103.4	92.7	91.0	
2011 Jan	101.4	99.0	109.3	95.5	97.8	93.9	103.5	92.4	90.7	
Feb	102.4	99.8	110.6	96.5	98.1	93.8	104.5	92.8	91.2	
Mar	104.1	101.6	112.3	98.1	98.6	93.8	106.1	93.5	91.9	
Apr	105.9	103.4	114.0	99.7	99.5	93.8	108.7	94.3	92.7	
May	104.9	102.2	113.2	98.6	98.9	93.6	107.2	93.7	92.1	
June	105.0	102.2	113.4	98.8	99.0	93.6	107.3	93.7	92.2	
July	104.0	101.1	112.4	97.8	98.6	93.7	106.1	93.3	91.8	
Aug	103.9	100.9	112.9	98.2	98.1	93.6	105.0	93.1	91.8	
Sep	102.8	99.9	112.0	97.4	97.7	93.6	103.8	92.7	91.5	
Oct	103.0	100.2	112.6	97.8	97.8	93.5	104.2	92.9	91.8	
Nov	102.6	99.9	112.1	97.3	97.6	93.5	103.7	92.8	91.6	
Dec	100.8	98.1	110.3	95.7	96.8	93.3	101.8	91.8	90.6	
2012 Jan	98.9	96.3	108.0	93.7	96.2	93.3	100.0	90.8	89.4	
Feb	99.6	97.2	108.4	94.1	96.8	93.5	101.5	91.3	89.7	
Mar	99.8	97.3	108.6	94.3	96.8	93.3	101.9	91.2	89.6	
Apr	99.5	97.2	108.4	94.2	96.7	93.3	101.4	91.1	89.5	
May	98.0	95.7	107.2	93.1	95.9	93.2	99.5	90.4	88.9	
June	97.2	94.9	106.6	92.5	95.5	93.1	98.5	89.9	88.6	
July	95.3	93.2	104.4	90.7	94.8	93.1	96.8	89.1	87.5	
Aug	95.2	93.1	104.3	90.7	94.9	93.1	96.9	89.1	87.5	
Sep	97.2	94.9	106.6	p 92.4	95.6	93.0	98.9	89.9	p 88.5	
Oct	97.8	p 95.4	107.2	p 92.8	p 95.8	92.9	p 99.8	p 90.1	p 88.6	
Nov	97.2	p 94.8	106.7	p 92.2	p 95.7	p 92.8	p 99.5	p 89.8	p 88.3	

* See Explanatory notes, p 57. 1 Source: ECB.

III. Effective exchange rates of the euro*

2 Nominal and real effective exchange rates based on consumer price indices

1999 Q1 = 100, monthly averages, log scale



* Source: ECB.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month			
					September 2012	October 2012	November 2012	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 46.7604	AFN 52.0000	AFN 52.8800	AFN 51.2100	
		S	USD 1 =	AFN 46.8604	AFN 52.1000	AFN 52.9800	AFN 51.3100	
	AFN	B	EUR 1 =	AFN 65.2609	AFN 66.5200	AFN 68.1400	AFN 65.8300	
		S	EUR 1 =	AFN 65.5209	AFN 66.7800	AFN 68.4000	AFN 66.0900	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 100.91	ALL 108.34	ALL 107.62	ALL 107.58
M			EUR 1 =	ALL 140.41	ALL 140.19	ALL 139.81	ALL 139.82	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 72.8318	DZD 79.3403	DZD 79.1258	DZD 78.5639	
		S	USD 1 =	DZD 72.8468	DZD 79.3553	DZD 79.1408	DZD 78.5789	
	DZD	B	EUR 1 =	DZD 102.3850	DZD 102.5235	DZD 102.7923	DZD 101.9052	
		S	EUR 1 =	DZD 102.4227	DZD 102.5588	DZD 102.8197	DZD 101.9561	
Angola								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 93.661	AOA 95.179	AOA 95.232	AOA 95.473	
		S	USD 1 =	AOA 94.129	AOA 95.655	AOA 95.708	AOA 95.951	
	AOA	B	EUR 1 =	AOA 130.985	AOA 122.467	AOA 123.383	AOA 123.065	
		S	EUR 1 =	AOA 131.657	AOA 123.070	AOA 123.990	AOA 123.652	
Antigua and Barbuda								
St John's 459	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909	
		V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 4.0914	ARS 4.6570	ARS 4.7260	ARS 4.7980	
		S	USD 1 =	ARS 4.1314	ARS 4.6970	ARS 4.7660	ARS 4.8380	
	ARS	B	EUR 1 =	ARS 5.6929	ARS 5.9842	ARS 6.1235	ARS 6.2326	
		S	EUR 1 =	ARS 5.7490	ARS 6.0474	ARS 6.1872	ARS 6.2967	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 372.62	AMD 406.25	AMD 405.47	AMD 405.32	
		M	EUR 1 =	AMD 518.77	AMD 525.73	AMD 527.03	AMD 526.83	
Aruba								
Oranjestad 474	Aruban florin = 100 cent	B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 249.35	AWG 230.29	AWG 231.41	AWG 231.29	
		S	EUR 100 =	AWG 251.86	AWG 232.60	AWG 233.74	AWG 233.61	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 1.0348	USD 1.0464	USD 1.0378	USD 1.0431
		M	AUD 1 =	EUR 0.7433	EUR 0.8093	EUR 0.8008	EUR 0.8025
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 0.7895	AZN 0.7852	AZN 0.7849	AZN 0.7847
		M	EUR 1 =	AZN 1.0995	AZN 1.0155	AZN 1.0171	AZN 1.0197
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		B	EUR 1 =	BSD 1.37601	BSD 1.26470	BSD 1.27040	BSD 1.27080
		S	EUR 1 =	BSD 1.42698	BSD 1.32350	BSD 1.32920	BSD 1.32960
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.5119272	BHD 0.4704597	BHD 0.4756201	BHD 0.4737480
		S	EUR 1 =	BHD 0.5435928	BHD 0.4995603	BHD 0.5050399	BHD 0.5030520
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 74.6219	BDT 81.2500	BDT 80.7500	BDT 81.1000
		S	USD 1 =	BDT 75.5926	BDT 82.2400	BDT 81.7400	BDT 82.0900
		B	EUR 1 =	BDT 102.8104	BDT 103.2162	BDT 103.3698	BDT 103.8366
		S	EUR 1 =	BDT 106.9388	BDT 107.1580	BDT 107.3661	BDT 107.8826
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		S	USD 1 =	BBD 2.03414	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.78014	BBD 2.57238	BBD 2.58095	BBD 2.57477
		S	EUR 1 =	BBD 2.84170	BBD 2.62061	BBD 2.62933	BBD 2.62305
Belarus							
Minsk 073	Belarusian rouble BYR	M	USD 1 =	BYR 5,067.00	BYR 8,500.00	BYR 8,530.00	BYR 8,580.00
		M	EUR 1 =	BYR 7,024.34	BYR 10,990.00	BYR 11,030.00	BYR 11,110.00

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Belize							
Belmopan 421	Belize dollar = 100 cents BZD	B S	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
			USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
		B S	EUR 1 =	BZD 2.7773	BZD 2.5618	BZD 2.5077	BZD 2.5773
			EUR 1 =	BZD 2.8263	BZD 2.6070	BZD 2.5519	BZD 2.6228
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents BMD	B S	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
			USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
		V, B V, S	EUR 1 =	BMD 1.3864	BMD 1.2878	BMD 1.2941	BMD 1.2934
			EUR 1 =	BMD 1.3980	BMD 1.2986	BMD 1.3049	BMD 1.3042
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 46.85	BTN 52.46	BTN 53.96	BTN 54.84
			USD 1 =	BTN 47.18	BTN 52.83	BTN 54.33	BTN 55.22
		B S	EUR 1 =	BTN 65.45	BTN 67.92	BTN 69.79	BTN 71.16
			EUR 1 =	BTN 65.90	BTN 68.39	BTN 70.26	BTN 71.65
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B S	USD 1 =	BOB 6.89	BOB 6.86	BOB 6.86	BOB 6.86
			USD 1 =	BOB 6.99	BOB 6.96	BOB 6.96	BOB 6.96
		V, B V, S	EUR 1 =	BOB 9.5847	BOB 8.8700	BOB 8.9132	BOB 8.9084
			EUR 1 =	BOB 9.7239	BOB 8.9993	BOB 9.0431	BOB 9.0383
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.396814	BAM 1.508848	BAM 1.505123	BAM 1.501416
			USD 1 =	BAM 1.403815	BAM 1.516412	BAM 1.512667	BAM 1.508942
		B / S	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe BWP	B S	BWP 1 =	USD 0.1467	USD 0.1307	USD 0.1273	USD 0.1258
			BWP 1 =	USD 0.1464	USD 0.1304	USD 0.1269	USD 0.1255
		B S	EUR 1 =	EUR 0.1048	EUR 0.1011	EUR 0.0979	EUR 0.0969
			EUR 1 =	EUR 0.1045	EUR 0.1008	EUR 0.0976	EUR 0.0966

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Brazil							
Brasilia 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 1.6739	BRL 2.0300	BRL 2.0308	BRL 2.1068
		S	USD 1 =	BRL 1.6746	BRL 2.0306	BRL 2.0313	BRL 2.1074
	BRL	B	EUR 1 =	BRL 2.3258	BRL 2.6100	BRL 2.6339	BRL 2.7384
		S	EUR 1 =	BRL 2.3271	BRL 2.6109	BRL 2.6348	BRL 2.7394
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.2463	BND 1.2155	BND 1.2091	BND 1.2105
		S	USD 1 =	BND 1.2674	BND 1.2364	BND 1.2301	BND 1.2314
	BND	B	EUR 1 =	BND 1.7276	BND 1.5569	BND 1.5548	BND 1.5580
		S	EUR 1 =	BND 1.7843	BND 1.6134	BND 1.6117	BND 1.6144
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.40677	BGN 1.51263	BGN 1.50530	BGN 1.50611
		M	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,250.4301	BIF 1,458.1030	BIF 1,468.1459	BIF 1,493.5246
		S	USD 1 =	BIF 1,282.0866	BIF 1,495.0170	BIF 1,505.3141	BIF 1,531.3354
	BIF	B	EUR 1 =	BIF 1,746.9807	BIF 1,886.2749	BIF 1,902.7171	BIF 1,940.6859
		S	EUR 1 =	BIF 1,791.2081	BIF 1,934.0287	BIF 1,950.8871	BIF 1,989.8171
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,066	KHR 4,043	KHR 4,030	KHR 3,992
		B	EUR 1 =	KHR 5,684	KHR 5,220	KHR 5,202	KHR 5,178
		S	EUR 1 =	KHR 5,694	KHR 5,221	KHR 5,202	KHR 5,178
Cameroon ¹							
Yaoundé 302	CFA franc XAF	2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 0.9891	CAD 0.9837	CAD 0.9996	CAD 0.9932
		M	EUR 1 =	CAD 1.3752	CAD 1.2646	CAD 1.2953	CAD 1.2921
Cape Verde							
Praia 247	Cape Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 78.901	CVE 85.548	CVE 84.967	CVE 84.757
		S	USD 1 =	CVE 79.103	CVE 85.750	CVE 85.169	CVE 84.959
		2 B/S	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Cayman Islands							
George Town 463	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 1.1600	KYD 1.0775	KYD 1.0828	KYD 1.0822
Central African Republic ¹							
Bangui 306	CFA franc XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 484.15	CLP 470.48	CLP 480.03	CLP 479.42
		M	EUR 1 =	CLP 673.05	CLP 607.78	CLP 622.20	CLP 621.98
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.4586	CNY 6.3410	CNY 6.3002	CNY 6.2892
		M	EUR 1 =	CNY 8.9937	CNY 8.1885	CNY 8.1654	CNY 8.1618
		M	HKD 1 =	CNY 0.82915	CNY 0.81782	CNY 0.81291	CNY 0.81150
China (Taiwan)							
Taipeh 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 29.36	TWD 29.27	TWD 29.18	TWD 29.02
		S	USD 1 =	TWD 29.46	TWD 29.37	TWD 29.28	TWD 29.12
		B	EUR 1 =	TWD 40.77	TWD 37.69	TWD 37.69	TWD 37.58
		S	EUR 1 =	TWD 41.17	TWD 38.09	TWD 38.09	TWD 37.98
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	B	USD 1 =	COP 1,849.87	COP 1,797.78	COP 1,829.15	COP 1,817.35
		S	USD 1 =	COP 1,850.81	COP 1,798.38	COP 1,830.63	COP 1,818.50
		V, B	EUR 1 =	COP 2,572.22	COP 2,324.53	COP 2,376.61	COP 2,360.01
		V, S	EUR 1 =	COP 2,573.51	COP 2,325.31	COP 2,378.54	COP 2,361.50
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 2 Value against the US dollar. 3 Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 899.4758	CDF 898.4303	CDF 901.3270	CDF 899.2584
		S	USD 1 =	CDF 936.1890	CDF 935.1009	CDF 938.1158	CDF 935.9628
	CDF	B	EUR 1 =	CDF 1,257.2075	CDF 1,155.6802	CDF 1,168.9649	CDF 1,168.7443
		S	EUR 1 =	CDF 1,308.5260	CDF 1,202.9311	CDF 1,216.6778	CDF 1,216.4481
Cook Islands ¹							
Avarua 837	Cook Islands dollar = 100 cents NZD	² B	NZD 1 =	EUR 0.5787	EUR 0.6589	EUR 0.6468	EUR 0.6457
		S	NZD 1 =	EUR 0.5596	EUR 0.6345	EUR 0.6227	EUR 0.6217
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 501.51	CRC 492.42	CRC 492.46	CRC 492.81
		S	USD 1 =	CRC 512.56	CRC 503.31	CRC 503.24	CRC 503.17
	CRC	V, B	EUR 1 =	CRC 702.0121	CRC 636.6991	CRC 639.8533	CRC 639.9631
		V, S	EUR 1 =	CRC 717.4620	CRC 650.7798	CRC 653.8597	CRC 653.4166
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb 092	Croatian kuna = 100 lipa	B	USD 1 =	HRK 5.328058	HRK 5.739874	HRK 5.798743	HRK 5.796574
		S	USD 1 =	HRK 5.360122	HRK 5.774416	HRK 5.833641	HRK 5.831458
	HRK	B	EUR 1 =	HRK 7.412527	HRK 7.427397	HRK 7.510533	HRK 7.528010
		S	EUR 1 =	HRK 7.457136	HRK 7.472095	HRK 7.555731	HRK 7.573314
Cuba ¹							
Havana 448	Convertible peso / Cuban peso = 100 centavos	B	CUC 1 =	USD 1.04738	USD 1.03360	USD 1.03360	USD 1.03360
		S	CUC 1 =	USD 0.98143	USD 0.96852	USD 0.96852	USD 0.96852
	CUC / CUP	B	EUR 1 =	CUC 1.33623	CUC 1.24548	CUC 1.25488	CUC 1.25802
		S	EUR 1 =	CUC 1.42612	CUC 1.32920	CUC 1.33921	CUC 1.34256
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 249.35	ANG 230.29	ANG 231.41	ANG 231.29
		S	EUR 100 =	ANG 254.38	ANG 234.93	ANG 236.07	ANG 235.95
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Czech Republic							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 17.688	CZK 19.316	CZK 19.290	CZK 19.449
		M	EUR 1 =	CZK 24.602	CZK 24.865	CZK 25.065	CZK 25.260

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Parity in relation to New Zealand dollar. ³ Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 536.22	DKK 576.60	DKK 574.14	DKK 574.46
			EUR 100 =	DKK 745.03	DKK 745.55	DKK 745.98	DKK 746.00
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
			S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 245.73	DJF 224.63	DJF 227.60	DJF 227.48
			S	EUR 1 =	DJF 255.46	DJF 235.34	DJF 236.07	DJF 235.95
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
			S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909
			V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 38.0688	DOP 39.2566	DOP 39.6389	DOP 40.0809
			S	USD 1 =	DOP 38.1450	DOP 39.3358	DOP 39.7598	DOP 40.2023
		V, B	EUR 1 =	DOP 53.2879	DOP 50.7588	DOP 51.5028	DOP 52.0491
			V, S	EUR 1 =	DOP 53.3943	DOP 50.8612	DOP 51.6599	DOP 52.2067
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 5.9367	EGP 6.0850	EGP 6.1075	EGP 6.1075
			S	USD 1 =	EGP 5.9647	EGP 6.1125	EGP 6.1325	EGP 6.1325
		B	EUR 1 =	EGP 8.2472	EGP 7.7876	EGP 7.9063	EGP 7.9218
			S	EUR 1 =	EGP 8.3821	EGP 7.9823	EGP 8.0988	EGP 8.1112
El Salvador 1							
San Salvador 428	El Salvador colón = 100 centavos SVC	B / S	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B/S	EUR 1 =	SVC 12.1800	SVC 11.3138	SVC 11.3689	SVC 11.3628
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	B	USD 1 =	ERN 15.0000	ERN 15.0000	ERN 15.0000	ERN 15.0000
			S	USD 1 =	ERN 15.7500	ERN 15.7500	ERN 15.7500
		B	EUR 1 =	ERN 20.9264	ERN 19.3575	ERN 19.3425	ERN 19.4775
			S	EUR 1 =	ERN 21.6859	ERN 20.1170	ERN 20.1020	ERN 20.2370
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 2 Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B S	USD 1 =	ETB 16.924275	ETB 17.9635	ETB 18.0346	ETB 18.1109
			USD 1 =	ETB 17.262764	ETB 18.3228	ETB 18.3953	ETB 18.4731
	ETB	B S	EUR 1 =	ETB 23.685008	ETB 23.0759	ETB 23.3566	ETB 23.5297
			EUR 1 =	ETB 24.158704	ETB 23.5374	ETB 23.8237	ETB 24.0003
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound = 100 pence FKP	2	FKP 1 =	GBP 1	GBP 1	GBP 1	GBP 1
Fiji							
Suva 815	Fiji dollar = 100 cents	B S	FJD 1 =	USD 0.5702	USD 0.5731	USD 0.5694	USD 0.5700
			FJD 1 =	USD 0.5532	USD 0.5561	USD 0.5524	USD 0.5530
	FJD	B S	FJD 1 =	EUR 0.4079	EUR 0.4428	EUR 0.4387	EUR 0.4385
			FJD 1 =	EUR 0.3959	EUR 0.4308	EUR 0.4267	EUR 0.4265
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Gabon ¹							
Libreville 314	CFA franc XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M M	USD 1 =	GMD 29.32	GMD 33.67	GMD 32.50	GMD 34.01
			EUR 1 =	GMD 40.72	GMD 43.81	GMD 43.02	GMD 44.31
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M M	USD 1 =	GEL 1.6856	GEL 1.6593	GEL 1.6607	GEL 1.6565
			EUR 1 =	GEL 2.3464	GEL 2.1461	GEL 2.1509	GEL 2.1516
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

² Value against the pound sterling; for rates see United Kingdom. ³ Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month			
					September 2012	October 2012	November 2012	
Ghana								
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 1.5090	GHS 1.8835	GHS 1.8652	GHS 1.8690	
		S	USD 1 =	GHS 1.5412	GHS 1.9188	GHS 1.8949	GHS 1.9021	
	GHS	B	EUR 1 =	GHS 2.1110	GHS 2.4347	GHS 2.4166	GHS 2.4339	
		S	EUR 1 =	GHS 2.1556	GHS 2.4800	GHS 2.4544	GHS 2.4768	
	Gibraltar							
	Gibraltar 044	Gibraltar pound = 100 pence GIP		2	GIP 1 = GBP 1	GBP 1	GBP 1	GBP 1
Greece								
Athens 009	Euro = 100 cent EUR		M	EUR 1 = USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986	
Grenada								
St George's 473	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909	
		V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282	
	Guatemala							
	Guatemala City 416	Quetzal = 100 centavos GTQ		M	USD 1 = GTQ 7.79111	GTQ 7.95719	GTQ 7.83552	GTQ 7.89134
			V, M	EUR 1 = GTQ 10.90491	GTQ 10.28865	GTQ 10.18069	GTQ 10.24769	
Guinea								
Conakry 260	Guinean franc	B	USD 1 =	GNF 6,705.1928	GNF 6,675.7767	GNF 6,659.5741	GNF 6,657.4181	
		S	USD 1 =	GNF 7,068.3309	GNF 7,088.7114	GNF 7,071.5066	GNF 7,069.2172	
	GNF	B	EUR 1 =	GNF 9,368.1248	GNF 8,631.3120	GNF 8,631.4074	GNF 8,664.5631	
		S	EUR 1 =	GNF 9,874.2252	GNF 9,165.2075	GNF 9,165.3089	GNF 9,200.5154	
	Guinea Bissau ¹							
	Bissau 257	CFA franc XOF		3	EUR 1 = XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana								
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 203.66	GYD 203.99	GYD 203.74	GYD 203.74	
		S	USD 1 =	GYD 206.08	GYD 206.42	GYD 206.16	GYD 206.16	
	GYD	B	EUR 1 =	GYD 285.23	GYD 263.78	GYD 264.72	GYD 264.82	
		S	EUR 1 =	GYD 288.84	GYD 267.12	GYD 268.08	GYD 268.18	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. **1** Explanatory notes on individual countries, see pp 61–63.

2 Value against the pound sterling; for rates see United Kingdom. **3** Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 40.5687	HTG 42.3222	HTG 42.4121	HTG 42.5778
		V, M	EUR 1 =	HTG 56.7855	HTG 54.7226	HTG 55.1060	HTG 55.2915
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 18.9197	HNL 19.7317	HNL 19.8057	HNL 19.8876
		S	USD 1 =	HNL 19.0522	HNL 19.8701	HNL 19.9441	HNL 20.0262
		V, B	EUR 1 =	HNL 26.4855	HNL 25.5131	HNL 25.7335	HNL 25.8260
		V, S	EUR 1 =	HNL 26.6711	HNL 25.6920	HNL 25.9134	HNL 26.0060
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.7729	HKD 7.7444	HKD 7.7404	HKD 7.73892
		S	USD 1 =	HKD 7.7975	HKD 7.7636	HKD 7.7596	HKD 7.75948
		B	EUR 1 =	HKD 10.8060	HKD 9.9966	HKD 10.0023	HKD 10.06008
		S	EUR 1 =	HKD 10.8756	HKD 10.0645	HKD 10.0702	HKD 10.12002
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 200.94	HUF 219.17	HUF 218.13	HUF 215.60
		M	EUR 1 =	HUF 280.28	HUF 283.71	HUF 283.55	HUF 280.35
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 115.89	ISK 123.37	ISK 126.69	ISK 125.32
		S	USD 1 =	ISK 116.44	ISK 123.95	ISK 127.29	ISK 125.92
		B	EUR 1 =	ISK 160.97	ISK 159.52	ISK 164.75	ISK 162.95
		S	EUR 1 =	ISK 161.87	ISK 160.42	ISK 165.67	ISK 163.87
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 46.39	INR 52.31	INR 53.61	INR 53.96
		S	USD 1 =	INR 47.27	INR 53.13	INR 54.43	INR 54.78
		B	EUR 1 =	INR 64.31	INR 67.35	INR 69.16	INR 69.88
		S	EUR 1 =	INR 65.94	INR 68.94	INR 70.76	INR 71.49
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 8,733.04	IDR 9,540.00	IDR 9,567.00	IDR 9,557.00
		S	USD 1 =	IDR 8,820.96	IDR 9,636.00	IDR 9,663.00	IDR 9,653.00
		B	EUR 1 =	IDR 12,153.85	IDR 12,342.85	IDR 12,401.70	IDR 12,424.10
		S	EUR 1 =	IDR 12,278.46	IDR 12,471.87	IDR 12,528.08	IDR 12,552.76
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 10,618	IRR 12,260	IRR 12,260	IRR 12,260
		M	EUR 1 =	IRR 14,845	IRR 15,762	IRR 15,890	IRR 15,885

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month			
					September 2012	October 2012	November 2012	
Iraq								
Baghdad 612	Iraqi dinar = 1,000 fils	B	USD 1 =	IQD 1,168.000	IQD 1,164.000	IQD 1,164.000	IQD 1,164.000	
		S	USD 1 =	IQD 1,170.000	IQD 1,166.000	IQD 1,166.000	IQD 1,166.000	
	IQD	B	EUR 1 =	IQD 1,635.066	IQD 1,500.358	IQD 1,510.614	IQD 1,502.339	
		S	EUR 1 =	IQD 1,635.884	IQD 1,501.108	IQD 1,511.369	IQD 1,503.091	
	Ireland							
	Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Israel								
Jerusalem 624	New Israeli sheqel = 100 agorot ILS	M	USD 1 =	ILS 3.5791	ILS 3.9120	ILS 3.8780	ILS 3.8100	
		M	EUR 1 =	ILS 4.9818	ILS 5.0649	ILS 5.0415	ILS 4.9550	
Italy								
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986	
Jamaica								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 85.6964	JMD 89.5075	JMD 90.5185	JMD 91.2208	
		S	USD 1 =	JMD 86.0884	JMD 89.9339	JMD 91.0914	JMD 91.8892	
	JMD	B	EUR 1 =	JMD 119.8060	JMD 115.0223	JMD 117.4615	JMD 118.3478	
		S	EUR 1 =	JMD 120.3454	JMD 115.6430	JMD 118.1681	JMD 119.1798	
Japan								
Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 78.79	JPY 76.60	JPY 78.66	JPY 81.12	
		S	USD 1 =	JPY 80.79	JPY 78.60	JPY 80.66	JPY 83.12	
	JPY	B	EUR 1 =	JPY 109.63	JPY 98.74	JPY 101.79	JPY 105.05	
		S	EUR 1 =	JPY 112.63	JPY 101.74	JPY 104.79	JPY 108.05	
Jordan								
Amman 628	Jordanian dinar = 1,000 fils	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080	
		S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100	
	JOD	B	EUR 1 =	JOD 0.98624	JOD 0.90900	JOD 0.91644	JOD 0.91608	
		S	EUR 1 =	JOD 0.99865	JOD 0.92016	JOD 0.92449	JOD 0.92257	
Kazakhstan								
Astana 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 146.69	KZT 149.86	KZT 150.66	KZT 150.52	
		M	EUR 1 =	KZT 204.25	KZT 194.02	KZT 194.89	KZT 195.25	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 88.5983	KES 85.1861	KES 85.0928	KES 85.8556	
		S	USD 1 =	KES 88.8574	KES 85.3806	KES 85.2622	KES 86.0139	
	KES	B	EUR 1 =	KES 123.9396	KES 110.0092	KES 110.2421	KES 111.4937	
		S	EUR 1 =	KES 124.3294	KES 110.2839	KES 110.4950	KES 111.7311	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Kiribati ¹							
Bairiki / Tarawa 812	Australian dollar / Kiribati = 100 cents AUD	² M	AUD 1 =	EUR 0.7433	EUR 0.8093	EUR 0.8008	EUR 0.8025
Korea, Democratic People's Republic of							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 97.75	KPW 101.17	KPW 100.97	KPW 100.65
		S	USD 1 =	KPW 98.25	KPW 101.69	KPW 101.49	KPW 101.17
	KPW	B	EUR 1 =	KPW 136.28	KPW 130.00	KPW 130.25	KPW 130.65
		S	EUR 1 =	KPW 136.98	KPW 130.66	KPW 130.92	KPW 131.32
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,097.92	KRW 1,101.20	KRW 1,079.40	KRW 1,071.90
		S	USD 1 =	KRW 1,119.56	KRW 1,122.80	KRW 1,100.60	KRW 1,093.10
	KRW	B	EUR 1 =	KRW 1,526.83	KRW 1,424.10	KRW 1,402.19	KRW 1,394.58
		S	EUR 1 =	KRW 1,557.67	KRW 1,452.86	KRW 1,430.51	KRW 1,422.74
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.27418	KWD 0.27980	KWD 0.27975	KWD 0.28010
		S	USD 1 =	KWD 0.27812	KWD 0.28340	KWD 0.28335	KWD 0.28420
	KWD	B	EUR 1 =	KWD 0.383582	KWD 0.359711	KWD 0.363689	KWD 0.363738
		S	EUR 1 =	KWD 0.389100	KWD 0.364339	KWD 0.368369	KWD 0.369062
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 46.1180	KGS 47.1484	KGS 47.1354	KGS 47.2578
		M	EUR 1 =	KGS 64.4549	KGS 61.0289	KGS 60.9838	KGS 61.3170
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,010	LAK 7,986	LAK 7,985	LAK 7,983
		S	USD 1 =	LAK 8,047	LAK 8,023	LAK 8,022	LAK 8,020
	LAK	B	EUR 1 =	LAK 11,192	LAK 10,302	LAK 10,338	LAK 10,325
		S	EUR 1 =	LAK 11,245	LAK 10,351	LAK 10,387	LAK 10,374
Latvia							
Riga 054	Latvian lats = 100 santims LVL	M	USD 1 =	LVL 0.5050	LVL 0.5460	LVL 0.5440	LVL 0.5430
		M	EUR 1 =	LVL 0.702804	LVL 0.702804	LVL 0.702804	LVL 0.702804
Lebanon							
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		M	EUR 1 =	LBP 2,100.36	LBP 1,951.76	LBP 1,960.65	LBP 1,959.75

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Parity in relation to Australian dollar.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	.	LSL 8.2754	LSL 8.6289	LSL 8.8244
		M	EUR 1 =	.	LSL 10.7015	LSL 11.1810	LSL 11.4592
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 71.79	LRD 72.50	LRD 72.00	LRD 72.00
		S	USD 1 =	LRD 72.75	LRD 73.50	LRD 73.00	LRD 73.00
		V, B	EUR 1 =	LRD 100.5219	LRD 93.7425	LRD 93.5496	LRD 93.4992
		V, S	EUR 1 =	LRD 101.8643	LRD 95.0355	LRD 94.8489	LRD 94.7978
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 1.2173	LYD 1.2528	LYD 1.2525	LYD 1.2578
		S	USD 1 =	LYD 1.2234	LYD 1.2591	LYD 1.2588	LYD 1.2641
		B	EUR 1 =	LYD 1.7060	LYD 1.6106	LYD 1.6236	LYD 1.6278
		S	EUR 1 =	LYD 1.7145	LYD 1.6187	LYD 1.6317	LYD 1.6359
Lithuania							
Vilnius 055	Lithuanian litas = 100 centas LTL	M	USD 1 =	LTL 2.4829	LTL 2.6790	LTL 2.6688	LTL 2.6633
		M	EUR 1 =	LTL 3.4528	LTL 3.4528	LTL 3.4528	LTL 3.4528
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Macao ¹							
Macao 743	Pataca = 100 avos MOP	B	USD 1 =	MOP 7.9676	MOP 7.9362	MOP 7.9328	MOP 7.9326
		S	USD 1 =	MOP 8.0678	MOP 8.0361	MOP 8.0325	MOP 8.0324
		B	EUR 1 =	MOP 11.1450	MOP 10.2495	MOP 10.2839	MOP 10.2933
		S	EUR 1 =	MOP 11.2852	MOP 10.3785	MOP 10.4133	MOP 10.4229
Macedonia ¹							
Skopje 096	Macedonian denar = 100 deni MKD	B	USD 1 =	MKD 44.0216	MKD 47.3266	MKD 47.2087	MKD 47.0932
		S	USD 1 =	MKD 44.4640	MKD 47.8022	MKD 47.6831	MKD 47.5665
		B	EUR 1 =	MKD 61.2235	MKD 61.1933	MKD 61.1919	MKD 61.1929
		S	EUR 1 =	MKD 61.8388	MKD 61.8083	MKD 61.8069	MKD 61.8079
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 2,027.47	MGA 2,204.03	MGA 2,213.46	MGA 2,248.46
		M	EUR 1 =	MGA 2,820.10	MGA 2,849.53	MGA 2,862.59	MGA 2,922.78
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 155.8148	MWK 295.9816	MWK 311.1886	MWK 322.8045
		S	USD 1 =	MWK 158.0740	MWK 301.9610	MWK 317.4752	MWK 329.3259
		B	EUR 1 =	MWK 217.8922	MWK 382.2010	MWK 403.2693	MWK 418.9680
		S	EUR 1 =	MWK 221.0331	MWK 389.9223	MWK 411.4161	MWK 427.4320

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.0277	MYR 3.0347	MYR 3.0165	MYR 3.0120
		S	USD 1 =	MYR 3.0888	MYR 3.1023	MYR 3.0836	MYR 3.0790
	MYR	B	EUR 1 =	MYR 4.2042	MYR 3.9102	MYR 3.9020	MYR 3.8990
		S	EUR 1 =	MYR 4.3150	MYR 4.0132	MYR 4.0048	MYR 4.0017
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 14.71	MVR 15.39	MVR 15.37	MVR 15.38
		V, M	EUR 1 =	MVR 20.59101	MVR 19.89927	MVR 19.97024	MVR 19.97247
Mali 1							
Bamako 232	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 279.70	MRO 301.25	MRO 296.26	MRO 297.37
		S	USD 1 =	MRO 282.50	MRO 304.27	MRO 299.23	MRO 300.36
	MRO	B	EUR 1 =	MRO 390.61	MRO 386.71	MRO 384.19	MRO 384.87
		S	EUR 1 =	MRO 394.53	MRO 390.59	MRO 388.04	MRO 388.72
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 28.0024	MUR 29.6066	MUR 30.1188	MUR 30.0397
		S	USD 1 =	MUR 29.3407	MUR 30.9580	MUR 31.4882	MUR 31.3697
	MUR	B	EUR 1 =	MUR 39.1454	MUR 38.2549	MUR 38.9908	MUR 38.9964
		S	EUR 1 =	MUR 41.0191	MUR 40.0391	MUR 40.8154	MUR 40.7872
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 12.4594	MXN 12.8563	MXN 13.0694	MXN 12.9370
		S	USD 1 =	MXN 12.4624	MXN 12.8593	MXN 13.0714	MXN 12.9390
	MXN	V, B	EUR 1 =	MXN 17.3129	MXN 16.6232	MXN 16.9811	MXN 16.8000
		V, S	EUR 1 =	MXN 17.3171	MXN 16.6271	MXN 16.9837	MXN 16.8026
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 11.7249	MDL 12.3851	MDL 12.2657	MDL 12.3768
		M	EUR 1 =	MDL 16.3079	MDL 15.9323	MDL 15.8773	MDL 16.0731
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 1,273.18	MNT 1,394.47	MNT 1,397.28	MNT 1,397.28
		M	EUR 1 =	MNT 1,778.36	MNT 1,803.26	MNT 1,812.97	MNT 1,819.05

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 2 Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Montenegro							
Podgorica 097	Euro = 100 cent EUR	B S	USD 1 =	EUR 0.7174	EUR 0.7711	EUR 0.7692	EUR 0.7673
			USD 1 =	EUR 0.7217	EUR 0.7757	EUR 0.7738	EUR 0.7719
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	B S	USD 1 =	MAD 8.0546	MAD 8.5571	MAD 8.5292	MAD 8.5337
			USD 1 =	MAD 8.1030	MAD 8.6086	MAD 8.5804	MAD 8.5850
		B S	EUR 1 =	MAD 11.218	MAD 11.071	MAD 11.079	MAD 11.078
			EUR 1 =	MAD 11.285	MAD 11.137	MAD 11.146	MAD 11.144
Mozambique							
Maputo 366	Metical = 100 centavos MZN	B S	USD 1 =	MZN 28.75	MZN 28.66	MZN 29.24	MZN 29.69
			USD 1 =	MZN 28.95	MZN 28.86	MZN 29.44	MZN 29.89
		B S	EUR 1 =	MZN 40.25	MZN 37.04	MZN 38.02	MZN 38.56
			EUR 1 =	MZN 40.52	MZN 37.30	MZN 38.28	MZN 38.82
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M M	USD 1 =	.	MMK 861.00	MMK 851.00	MMK 852.00
			EUR 1 =	.	MMK 1,111.80	MMK 1,102.80	MMK 1,103.10
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M M	USD 1 =	.	NAD 8.2325	NAD 8.6908	NAD 8.7689
			EUR 1 =	.	NAD 10.6460	NAD 11.2094	NAD 11.4061
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa NPR	B S	USD 1 =	NPR 74.82	NPR 83.95	NPR 86.14	NPR 87.71
			USD 1 =	NPR 75.42	NPR 84.55	NPR 86.74	NPR 88.31
		B S	EUR 1 =	NPR 104.44	NPR 108.52	NPR 111.42	NPR 113.78
			EUR 1 =	NPR 105.28	NPR 109.29	NPR 112.19	NPR 114.56
Netherlands							
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
New Caledonia ¹							
Nouméa 809	CFP franc XPF	2	XPF 1000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
New Zealand							
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.8040	USD 0.8495	USD 0.8358	USD 0.8364
		S	NZD 1 =	USD 0.7825	USD 0.8241	USD 0.8107	USD 0.8112
	NZD	B	NZD 1 =	EUR 0.5787	EUR 0.6589	EUR 0.6468	EUR 0.6457
		S	NZD 1 =	EUR 0.5596	EUR 0.6345	EUR 0.6227	EUR 0.6217
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 22.4684	NIO 23.8314	NIO 23.9301	NIO 24.0260
		V, M	EUR 1 =	NIO 31.4483	NIO 30.8140	NIO 31.0924	NIO 31.2002
Niger 1							
Niamey 240	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria							
Abuja 288	Naira = 100 kobo NGN	B	USD 1 =	NGN 151.40	NGN 154.78	NGN 154.74	NGN 154.76
		S	USD 1 =	NGN 152.40	NGN 155.78	NGN 155.74	NGN 155.76
	B	EUR 1 =	NGN 210.7990	NGN 200.2079	NGN 201.1620	NGN 201.2963	
	S	EUR 1 =	NGN 212.2517	NGN 201.5014	NGN 202.4620	NGN 202.5970	
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 5.5986	NOK 5.6973	NOK 5.7211	NOK 5.6553
		S	USD 1 =	NOK 5.6204	NOK 5.7193	NOK 5.7431	NOK 5.6773
	B	EUR 1 =	NOK 7.7927	NOK 7.3633	NOK 7.4227	NOK 7.3622	
	S	EUR 1 =	NOK 7.8227	NOK 7.3933	NOK 7.4527	NOK 7.3922	
Oman							
Muscat 649	Rial Omani = 1,000 baisa OMR	B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
	B	EUR 1 =	OMR 0.5368352	OMR 0.4946304	OMR 0.4980864	OMR 0.4985088	
	S	EUR 1 =	OMR 0.5382845	OMR 0.4959570	OMR 0.4994990	OMR 0.4999610	
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 86.18	PKR 94.50	PKR 95.60	PKR 96.30
		S	USD 1 =	PKR 86.38	PKR 94.70	PKR 95.80	PKR 96.50
	B	EUR 1 =	PKR 120.00	PKR 122.19	PKR 123.90	PKR 125.16	
	S	EUR 1 =	PKR 120.28	PKR 122.45	PKR 124.16	PKR 125.42	
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.4510	USD 0.5045	USD 0.5030	USD 0.5000
		S	PGK 1 =	USD 0.4090	USD 0.4625	USD 0.4610	USD 0.4580
	B	PGK 1 =	EUR 0.3189	EUR 0.3855	EUR 0.3830	EUR 0.3801	
	S	PGK 1 =	EUR 0.2984	EUR 0.3650	EUR 0.3625	EUR 0.3596	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 2 Value against the euro. 3 Parity in relation to US dollar; for rates see United States.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 4,192.36	PYG 4,449.22	PYG 4,464.51	PYG 4,422.52
		S	USD 1 =	PYG 4,211.47	PYG 4,461.30	PYG 4,472.13	PYG 4,427.24
	PYG	V, B	EUR 1 =	PYG 5,825.19	PYG 5,752.84	PYG 5,800.74	PYG 5,743.08
		V, S	EUR 1 =	PYG 5,851.84	PYG 5,768.46	PYG 5,810.64	PYG 5,749.21
Peru							
Lima 504	Nuevo sol = 100 céntimos	B	USD 1 =	PEN 2.750	PEN 2.597	PEN 2.591	PEN 2.578
		S	USD 1 =	PEN 2.751	PEN 2.598	PEN 2.592	PEN 2.579
	PEN	B	EUR 1 =	PEN 3.721	PEN 3.284	PEN 3.274	PEN 3.303
		S	EUR 1 =	PEN 3.943	PEN 3.423	PEN 3.445	PEN 3.396
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 42.99788	PHP 41.37349	PHP 40.85756	PHP 40.57975
		S	USD 1 =	PHP 43.67654	PHP 42.02651	PHP 41.50244	PHP 41.22025
	PHP	B	EUR 1 =	PHP 59.58113	PHP 53.18112	PHP 52.71724	PHP 52.26588
		S	EUR 1 =	PHP 61.07363	PHP 54.51330	PHP 54.03780	PHP 53.57514
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 2.9636	PLN 3.1780	PLN 3.1806	PLN 3.1585
		M	EUR 1 =	PLN 4.1329	PLN 4.1138	PLN 4.1350	PLN 4.1064
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Qatar							
Doha 644	Qatari riyal = 100 dirham	B	USD 1 =	QAR 3.6300	QAR 3.6300	QAR 3.6300	QAR 3.6300
		S	USD 1 =	QAR 3.6502	QAR 3.6502	QAR 3.6502	QAR 3.6502
	QAR	B	EUR 1 =	QAR 5.0194	QAR 4.608	QAR 4.645	QAR 4.667
		S	EUR 1 =	QAR 5.1532	QAR 4.754	QAR 4.791	QAR 4.814
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.0475	RON 3.5029	RON 3.4873	RON 3.4687
		M	EUR 1 =	RON 4.2403	RON 4.5331	RON 4.5358	RON 4.5059
Russian Federation							
Moscow 075	Russian rouble = 100 kopeken RUB	M	USD 1 =	RUB 29.3948	RUB 30.9169	RUB 31.5252	RUB 31.0565
		M	EUR 1 =	RUB 40.9121	RUB 39.9786	RUB 40.7148	RUB 40.2057

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 595.637126	RWF 617.749524	RWF 622.156613	RWF 624.694823
		S	USD 1 =	RWF 605.244176	RWF 627.713226	RWF 632.191397	RWF 634.770545
	RWF	B	EUR 1 =	RWF 828.431163	RWF 794.734763	RWF 805.381735	RWF 811.228696
		S	EUR 1 =	RWF 841.792956	RWF 807.553065	RWF 818.371763	RWF 824.313030
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound = 100 pence SHP	2	SHP 1 =	GBP 1	GBP 1	GBP 1	GBP 1
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909
		V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909
		V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.7420	XCD 3.4758	XCD 3.4928	XCD 3.4909
		V, S	EUR 1 =	XCD 3.7819	XCD 3.5130	XCD 3.5301	XCD 3.5282
Samoa							
Apia 819	Tala = 100 sene	B	WST 1 =	USD 0.4432	USD 0.4493	USD 0.4469	USD 0.4476
		S	WST 1 =	USD 0.4262	USD 0.4323	USD 0.4299	USD 0.4306
	WST	B	WST 1 =	EUR 0.3305	EUR 0.3659	EUR 0.3630	EUR 0.3631
		S	WST 1 =	EUR 0.2985	EUR 0.3209	EUR 0.3180	EUR 0.3181
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 17,564.28	STD 19,073.57	STD 18,901.40	STD 18,854.86
		S	USD 1 =	STD 17,827.74	STD 19,359.67	STD 19,184.93	STD 19,137.68
	STD	B	EUR 1 =	STD 24,500.00	STD 24,500.00	STD 24,500.00	STD 24,500.00
		S	EUR 1 =	STD 24,500.00	STD 24,500.00	STD 24,500.00	STD 24,500.00
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah	B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 5.1248	SAR 4.6960	SAR 4.7269	SAR 4.7588
		S	EUR 1 =	SAR 5.4277	SAR 5.0107	SAR 5.0071	SAR 4.9773

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the pound sterling; for rates see United Kingdom.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Senegal ¹							
Dakar 248	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade 099	Serbian dinar = 100 para	B	USD 1 =	RSD 73.0693	RSD 88.6709	RSD 87.1614	RSD 86.3911
		S	USD 1 =	RSD 73.5090	RSD 89.2045	RSD 87.6860	RSD 86.9111
	RSD	B	EUR 1 =	RSD 101.6215	RSD 114.6869	RSD 112.9437	RSD 112.2999
		S	EUR 1 =	RSD 102.2331	RSD 115.3771	RSD 113.6235	RSD 112.9757
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.1720	SCR 12.6751	SCR 12.6971	SCR 12.8489
		S	USD 1 =	SCR 12.6076	SCR 13.2165	SCR 13.2347	SCR 13.2208
	SCR	B	EUR 1 =	SCR 16.9934	SCR 16.6946	SCR 16.6339	SCR 16.7408
		S	EUR 1 =	SCR 17.6852	SCR 16.8523	SCR 17.0853	SCR 17.0014
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 4,314.46	SLL 4,291.82	SLL 4,296.67	SLL 4,293.37
		S	USD 1 =	SLL 4,402.46	SLL 4,378.52	SLL 4,383.47	SLL 4,380.10
	SLL	V, B	EUR 1 =	SLL 6,040.16	SLL 5,549.32	SLL 5,582.66	SLL 5,575.37
		V, S	EUR 1 =	SLL 6,163.31	SLL 5,661.43	SLL 5,695.44	SLL 5,688.00
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.2572	SGD 1.2254	SGD 1.2205	SGD 1.2209
		M	EUR 1 =	SGD 1.7493	SGD 1.5844	SGD 1.5819	SGD 1.5864
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 249.35	ANG 230.29	ANG 231.41	ANG 231.29
S		EUR 100 =	ANG 254.38	ANG 234.93	ANG 236.07	ANG 235.95	
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents	B	SBD 1 =	USD 0.1327	USD 0.1372	USD 0.1374	USD 0.1371
		S	SBD 1 =	USD 0.1301	USD 0.1347	USD 0.1349	USD 0.1346
	SBD	B	SBD 1 =	EUR 0.0970	EUR 0.1092	EUR 0.1083	EUR 0.1086
		S	SBD 1 =	EUR 0.0922	EUR 0.1034	EUR 0.1025	EUR 0.1028

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Somalia ¹							
Mogadishu 342	Somali shilling	B S	USD 1 =	.	.	.	.
	SOS		USD 1 =	.	.	.	.
South Africa							
Pretoria Seat of Parliament: Cape Town 388	South African rand = 100 cents	B S	USD 1 =	ZAR 7.0972	ZAR 8.1060	ZAR 8.4754	ZAR 8.6707
			USD 1 =	ZAR 7.4101	ZAR 8.4235	ZAR 8.7929	ZAR 8.9882
	ZAR	B S	EUR 1 =	ZAR 9.8878	ZAR 10.4487	ZAR 10.9834	ZAR 11.2524
			EUR 1 =	ZAR 10.3395	ZAR 10.8984	ZAR 11.4313	ZAR 11.6996
South Sudan ¹							
Juba 225	South Sudanese pound = 100 piastres	B S	USD 1 =	.	.	.	.
			USD 1 =	.	.	.	.
	SSP	B S	EUR 1 =	.	.	.	.
			EUR 1 =	.	.	.	.
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2930	USD 1.2993	USD 1.2986
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B S	USD 1 =	LKR 109.78	LKR 127.89	LKR 128.52	LKR 128.82
			USD 1 =	LKR 111.47	LKR 131.17	LKR 131.60	LKR 131.70
	LKR	B S	EUR 1 =	LKR 151.94	LKR 164.54	LKR 165.72	LKR 166.54
			EUR 1 =	LKR 156.13	LKR 170.27	LKR 171.21	LKR 171.79
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B S	USD 1 =	SDG 2.6678	SDG 4.3980	SDG 4.3980	SDG 4.3980
			USD 1 =	SDG 2.6812	SDG 4.4200	SDG 4.4200	SDG 4.4200
	SDG	B S	EUR 1 =	SDG 3.7372	SDG 5.6554	SDG 5.7003	SDG 5.6981
			EUR 1 =	SDG 3.7558	SDG 5.6837	SDG 5.7288	SDG 5.7265
Suriname							
Paramaribo 492	Surinamese dollar = 100 cent	B S	USD 1 =	SRD 3.250	SRD 3.250	SRD 3.250	SRD 3.250
			USD 1 =	SRD 3.350	SRD 3.350	SRD 3.350	SRD 3.350
	SRD	B S	EUR 1 =	SRD 4.545	SRD 4.184	SRD 4.213	SRD 4.223
			EUR 1 =	SRD 4.685	SRD 4.313	SRD 4.343	SRD 4.353
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B S	USD 1 =	SZL 7.2535	SZL 8.2541	SZL 8.6496	SZL 8.8154
			USD 1 =	SZL 7.3160	SZL 8.2641	SZL 8.6565	SZL 8.8172
	SZL	B S	EUR 1 =	SZL 10.11231	SZL 10.6676	SZL 11.2012	SZL 11.4107
			EUR 1 =	SZL 10.20037	SZL 10.6830	SZL 11.2110	SZL 11.4156
Sweden							
Stockholm 030	Swedish krona = 100 öre	B S	USD 1 =	SEK 6.4654	SEK 6.4959	SEK 6.6004	SEK 6.6174
			USD 1 =	SEK 6.5329	SEK 6.5634	SEK 6.6679	SEK 6.6849
	SEK	B S	EUR 1 =	SEK 9.0294	SEK 8.4219	SEK 8.6027	SEK 8.6386
			EUR 1 =	SEK 9.0809	SEK 8.4734	SEK 8.6542	SEK 8.6901

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.8874	CHF 0.9351	CHF 0.9287	CHF 0.9250
		B	EUR 1 =	CHF 1.2351	CHF 1.2098	CHF 1.2077	CHF 1.2044
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 48.35	SYP 67.94	SYP 69.22	SYP 70.86
		S	USD 1 =	SYP 48.82	SYP 68.35	SYP 69.64	SYP 71.28
		B	EUR 1 =	SYP 67.72	SYP 87.30	SYP 89.60	SYP 91.70
		S	EUR 1 =	SYP 68.38	SYP 87.91	SYP 90.23	SYP 92.34
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 4.6180	TJS 4.7645	TJS 4.7641	TJS 4.7697
		M	EUR 1 =	TJS 6.4482	TJS 6.2695	TJS 6.1571	TJS 6.1135
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 1,546.0382	TZS 1,561.4554	TZS 1,564.1683	TZS 1,563.5644
		S	USD 1 =	TZS 1,577.5900	TZS 1,577.0700	TZS 1,579.8100	TZS 1,579.2000
		B	EUR 1 =	TZS 2,162.9209	TZS 2,019.7426	TZS 2,026.3801	TZS 2,032.3210
		S	EUR 1 =	TZS 2,207.5726	TZS 2,040.0978	TZS 2,047.4338	TZS 2,052.8021
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.4137	THB 30.6911	THB 30.5548	THB 30.5538
		S	USD 1 =	THB 30.6939	THB 30.9664	THB 30.8348	THB 30.8394
		B	EUR 1 =	THB 42.2220	THB 39.5489	THB 39.4960	THB 39.5671
		S	EUR 1 =	THB 42.8457	THB 40.1416	THB 40.0843	THB 40.1634
Togo ¹							
Lomé 280	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	B	TOP 1 =	USD 0.6116	USD 0.6224	USD 0.5910	USD 0.5904
		S	TOP 1 =	USD 0.5705	USD 0.5735	USD 0.5690	USD 0.5684
		B	TOP 1 =	EUR 0.4567	EUR 0.5100	EUR 0.4707	EUR 0.4699
		S	TOP 1 =	EUR 0.3968	EUR 0.4309	EUR 0.4257	EUR 0.4249
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.3798	TTD 6.3970	TTD 6.3757	TTD 6.3699
		S	USD 1 =	TTD 6.4290	TTD 6.4395	TTD 6.4410	TTD 6.4432
		B	EUR 1 =	TTD 8.7115	TTD 8.0475	TTD 8.0741	TTD 8.1360
		S	EUR 1 =	TTD 9.1061	TTD 8.3548	TTD 8.3530	TTD 8.4249

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.
² Value against the euro.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 1.3896	TND 1.5648	TND 1.5649	TND 1.5651
		S	USD 1 =	TND 1.4039	TND 1.5679	TND 1.5680	TND 1.5683
	TND	B	EUR 1 =	TND 1.9343	TND 2.0226	TND 2.0269	TND 2.0375
		S	EUR 1 =	TND 1.9536	TND 2.0267	TND 2.0309	TND 2.0416
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 1.6694	TRY 1.7820	TRY 1.7928	TRY 1.7797
		S	USD 1 =	TRY 1.6774	TRY 1.7906	TRY 1.8014	TRY 1.7883
	TRY	B	EUR 1 =	TRY 2.3298	TRY 2.2929	TRY 2.3216	TRY 2.3108
		S	EUR 1 =	TRY 2.3410	TRY 2.3040	TRY 2.3328	TRY 2.3219
Turkmenistan							
Ashgabat 080	Turkmen manat = 100 tenge TMT	M	USD 1 =	TMT 2.85	TMT 2.85	TMT 2.85	TMT 2.85
		M	EUR 1 =	TMT 3.9699	TMT 3.6634	TMT 3.6853	TMT 3.6970
Uganda							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 2,527.23	UGX 2,531.09	UGX 2,584.06	UGX 2,683.42
		S	USD 1 =	UGX 2,542.59	UGX 2,540.70	UGX 2,593.88	UGX 2,693.32
	UGX	B	EUR 1 =	UGX 3,531.84	UGX 3,255.23	UGX 3,353.59	UGX 3,482.81
		S	EUR 1 =	UGX 3,553.52	UGX 3,267.59	UGX 3,366.34	UGX 3,495.66
Ukraine							
Kyiv 072	Hryvnia = 100 kopeken UAH	M	USD 100 =	UAH 796.76	UAH 799.30	UAH 799.30	UAH 799.30
		M	EUR 100 =	UAH 1,108.3707	UAH 1,029.0188	UAH 1,036.0527	UAH 1,038.6104
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	B	USD 1 =	AED 3.653	AED 3.653	AED 3.653	AED 3.653
		S	USD 1 =	AED 3.685	AED 3.685	AED 3.685	AED 3.685
	AED	B	EUR 1 =	AED 5.04921	AED 4.63023	AED 4.72013	AED 4.66886
		S	EUR 1 =	AED 5.25707	AED 4.83540	AED 4.91376	AED 4.86002
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.6030	USD 1.6149	USD 1.6110	USD 1.6028
		M	EUR 1 =	GBP 0.8678	GBP 0.7966	GBP 0.8043	GBP 0.8114
United States							
Washington 400	US dollar = 100 cents	B	EUR 1 =	USD 1.3925	USD 1.2846	USD 1.2956	USD 1.3002
		S	EUR 1 =	USD 1.3928	USD 1.2848	USD 1.2961	USD 1.3003
	USD	B	GBP 1 =	USD 1.6037	USD 1.6144	USD 1.6131	USD 1.6017
		S	GBP 1 =	USD 1.6040	USD 1.6149	USD 1.6134	USD 1.6022

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					September 2012	October 2012	November 2012
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	B / S	USD 1 =	UYU 19.297	UYU 20.980	UYU 19.901	UYU 19.651
		B / S	EUR 1 =	UYU 26.824	UYU 26.970	UYU 25.818	UYU 25.549
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tijin UZS	M	USD 1 =	UZS 1,717.81	UZS 1,938.60	UZS 1,956.21	UZS 1,969.43
		M	EUR 1 =	UZS 2,388.94	UZS 2,528.98	UZS 2,548.21	UZS 2,524.34
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 90.30	VUV 91.10	VUV 91.50	VUV 91.20
		S	USD 1 =	VUV 95.48	VUV 95.68	VUV 96.10	VUV 95.78
		B	EUR 1 =	VUV 126.57	VUV 117.43	VUV 118.37	VUV 118.12
		S	EUR 1 =	VUV 131.93	VUV 121.93	VUV 122.90	VUV 122.64
Venezuela, Bolivarian Republic of							
Caracas 484	Bolívar = 100 céntimos VEF	B	USD 1 =	VEF 4.2893	VEF 4.2893	VEF 4.2893	VEF 4.2893
		S	USD 1 =	VEF 4.3000	VEF 4.3000	VEF 4.3000	VEF 4.3000
		B	EUR 1 =	VEF 5.96906383	VEF 5.51217943	VEF 5.55807494	VEF 5.57909251
		S	EUR 1 =	VEF 5.98499948	VEF 5.52679000	VEF 5.57409000	VEF 5.59344000
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 20,677	VND 20,860	VND 20,825	VND 20,825
		S	USD 1 =	VND 20,714	VND 20,900	VND 20,865	VND 20,870
		B	EUR 1 =	VND 28,955.73	VND 26,734.32	VND 26,821.05	VND 26,865.82
		S	EUR 1 =	VND 29,480.24	VND 27,148.00	VND 27,196.99	VND 27,277.79
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 213.75	YER 214.87	YER 214.87	YER 214.87
		S	USD 1 =	YER 213.85	YER 214.91	YER 214.91	YER 214.91
		B	EUR 1 =	YER 299.34	YER 276.87	YER 279.02	YER 278.02
		S	EUR 1 =	YER 299.48	YER 276.92	YER 279.07	YER 278.07
Zambia ¹							
Lusaka 378	Kwacha = 100 ngwee ZMK	B	USD 1 =	ZMK 4,850.21	ZMK 5,083.45	ZMK 5,265.92	ZMK 5,211.02
		S	USD 1 =	ZMK 4,870.21	ZMK 5,103.45	ZMK 5,285.92	ZMK 5,231.02
		B	EUR 1 =	ZMK 6,780.79	ZMK 6,573.38	ZMK 6,849.92	ZMK 6,763.90
		S	EUR 1 =	ZMK 6,810.06	ZMK 6,600.26	ZMK 6,878.05	ZMK 6,790.91
Zimbabwe ¹							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	.	.	.	.
		M	EUR 1 =	.	.	.	.

IV Overview of world currencies *

2 Currencies in selected territories and states in which the currency of another country is legal tender

As of end-November 2012

Country or territory (country code)	Currency of country or area	Country or territory (country code)	Currency of country or area
Åland Islands	Finland	Madeira (010)	Portugal
Alhucemas	Spain	Marie-Galante (001)	France
American Samoa (830)	United States	Marshall Islands (824)	United States
Andaman Islands	India	Martinique (001)	France
Andorra (043)	France/Spain	Mayotte (377)	France
Anguilla (446)	Antigua and Barbuda	Melilla (023)	Spain
Azores (010)	Portugal	Micronesia, Federated States of (823)	United States
		Monaco ¹ (001)	France
		Montserrat (470)	Antigua and Barbuda
		Mooréa	New Caledonia
Baker Island (832)	United States		
Balearics	Spain		
Bali	Indonesia		
Bonaire (475)	United States	Nauru (803)	Australia
Bora-Bora	New Caledonia	Newfoundland	Canada
Borneo (northern part) (701)	Malaysia	Nicobar Islands	India
Borneo (southern part) (700)	Indonesia	Niue (838)	New Zealand
British Virgin Islands (468)	United States	Norfolk Island (836)	Australia
		Northern Mariana Islands (820)	United States
Canary Islands (011)	Spain		
Ceuta (021)	Spain		
Chafarinas (Islands)	Spain	Palau (825)	United States
Christmas Island (834)	Australia	Pescadores	China (Taiwan)
Cocos Islands (833)	Australia	Pitcairn Islands Group (813)	New Zealand
		Puerto Rico (400)	United States
Désirade (001)	France		
		Réunion (001)	France
Easter Island	Chile		
Ecuador (500)	United States		
		Saba (475)	United States
Faroe Islands ¹ (041)	Denmark	San Marino ¹ (047)	Italy
(French) Guiana (001)	France	Spitzbergen/Spitsbergen (028)	Norway
French Polynesia (822)	New Caledonia	St Barthélemy (001)	France
		St Eustatius (475)	United States
		St Martin (northern part) (001)	France
		St Pierre and Miquelon (408)	France
		Sumatra	Indonesia
		Swan Islands (424)	Honduras
Galapagos Islands (500)	United States		
Gozo (Island of)	Malta		
Greenland (406)	Denmark	Tahiti (822)	New Caledonia
Guadeloupe (001)	France	Tibet (720)	China
Guam (831)	United States	Timor-Leste ¹ (626)	United States
Guernsey ¹ (107)	United Kingdom	Tokelau (839)	New Zealand/Samoa
		Turks and Caicos Islands ¹ (454)	United States
		Tuvalu ¹ (807)	Australia
Howland Island (832)	United States		
		Vatican City ¹ (045)	Italy
Isle of Man ¹ (109)	United Kingdom	Virgin Islands of the United States (457)	United States
Jarvis Island	United States		
Java	Indonesia		
Jersey ¹ (108)	United Kingdom		
Kosovo (095)	Euro area	Wallis and Futuna (Islands) (811)	New Caledonia
		Western Sahara	Morocco
Laccadive Islands	India		
Les Saintes Islands (001)	France	Zanzibar (Island) (352)	Tanzania, United Republic of
Liechtenstein (037)	Switzerland		

Sources: Central banks and The Statesman's Yearbook. * See Explanatory notes, p 57. ¹ Local currency is also in use.

V Value of the special drawing right in selected currencies *

1 End of year

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krone NOK
1999	1.37251	1.36467	0.848150	140.111	1.98094	2.19297	11.6873	10.1549	11.0218
2000	1.30291	1.40022	0.873149	149.704	1.95462	2.13221	12.4232	10.4500	11.5288
2001	1.25673	1.42474	0.866469	165.491	2.00147	2.10605	13.3943	10.5685	11.3251
2002	1.35952	1.29639	0.843483	162.414	2.14750	1.88539	11.9542	9.62844	9.47006
2003	1.48597	1.17654	0.832619	158.575	1.92047	1.83800	10.7715	8.82099	9.91886
2004	1.55301	1.14016	0.804085	161.161	1.86920	1.75738	10.2351	8.46296	9.37796
2005	1.42927	1.21155	0.830055	168.610	1.66418	1.87848	11.3363	9.03881	9.67427
2006	1.50440	1.14229	0.766377	178.948	1.75308	1.83582	10.3390	8.51702	9.41017
2007	1.58025	1.07346	0.788780	179.947	1.56144	1.77857	10.2088	8.02021	8.55074
2008	1.54027	1.10675	1.05657	140.464	1.88621	1.63839	12.0833	8.18003	10.7802
2009	1.56769	1.08822	0.968007	143.797	1.64075	1.61551	11.3070	8.10688	9.05608
2010	1.54003	1.15966	0.997755	125.436	1.54142	1.44702	10.4761	8.64469	9.06742
2011	1.53527	1.18654	0.992989	119.321	1.56254	1.44453	10.6293	8.82099	9.20039

Source: IMF, Washington. * See Explanatory notes, pp 59–60. 1 ISO currency code: XDR.

2 End of month

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krone NOK
2009 Mar	1.49507	1.12344	1.04259	146.667	1.88409	1.70199	12.3867	8.36764	9.98742
Apr	1.49783	1.12831	1.01041	146.188	1.78841	1.70079	11.9602	8.40400	9.84388
May	1.54805	1.09806	0.958368	149.387	1.69682	1.66152	11.8581	8.17541	9.74915
June	1.55223	1.09822	0.937339	148.936	1.80446	1.67687	11.9327	8.17855	9.90383
July	1.55333	1.09869	0.937664	148.079	1.67604	1.68381	11.4480	8.18090	9.57506
Aug	1.56606	1.09730	0.957992	145.174	1.71750	1.66394	11.1739	8.16733	9.44448
Sep	1.58437	1.08200	0.983294	142.229	1.69876	1.63032	11.1025	8.05477	9.15374
Oct	1.58989	1.07425	0.962399	145.284	1.71295	1.62630	11.1531	7.99571	9.01453
Nov	1.61018	1.07181	0.977469	139.683	1.70261	1.61437	11.2109	7.97684	9.12375
Dec	1.56769	1.08822	0.968007	143.797	1.64075	1.61551	11.3070	8.10688	9.05608
2010 Jan	1.55419	1.11284	0.963066	139.644	1.65522	1.63159	11.3961	8.28432	9.13868
Feb	1.53258	1.12939	1.00676	136.783	1.61320	1.65105	11.0001	8.40576	9.08422
Mar	1.51824	1.12637	1.00214	141.576	1.54192	1.60964	11.0186	8.38553	9.08306
Apr	1.51112	1.13490	0.985853	142.136	1.52865	1.62823	10.9178	8.48356	9.02074
May	1.47433	1.19051	1.01120	134.606	1.54790	1.69430	11.5698	8.85865	9.47831
June	1.47890	1.20520	0.984291	131.030	1.56852	1.59898	11.4947	8.97722	9.60836
July	1.51852	1.16558	0.974906	131.352	1.56255	1.57835	10.9827	8.68470	9.25523
Aug	1.50891	1.18999	0.979557	127.126	1.60533	1.54090	11.2150	8.85928	9.54918
Sep	1.55619	1.14023	0.977871	129.786	1.60256	1.51417	10.4848	8.49697	9.08538
Oct	1.57179	1.13429	0.987177	126.654	1.60133	1.55481	10.6488	8.45745	9.29213
Nov	1.52578	1.17385	0.982598	128.394	1.56606	1.52242	10.6919	8.74868	9.49767
Dec	1.54003	1.15966	0.997755	125.436	1.54142	1.44702	10.4761	8.64469	9.06742
2011 Jan	1.56194	1.14077	0.982907	128.157	1.56537	1.47306	10.2112	8.50362	9.04282
Feb	1.57305	1.13709	0.968983	128.518	1.53199	1.46026	10.0714	8.47860	8.76586
Mar	1.58550	1.11600	0.98528	131.803	1.54079	1.45042	9.99261	8.32168	8.74172
Apr	1.62096	1.09082	0.972479	132.910	1.53764	1.40440	9.73388	8.13491	8.48882
May	1.60077	1.11280	0.969989	129.422	1.55083	1.36514	9.87274	8.29710	8.63424
June	1.60045	1.10735	0.99978	129.188	1.54331	1.33541	10.0972	8.25941	8.62351
July	1.59900	1.12132	0.982608	124.002	1.52512	1.28096	10.1859	8.35317	8.67566
Aug	1.60936	1.11374	0.988181	123.261	1.57460	1.30278	10.2248	8.29869	8.61987
Sep	1.56162	1.15650	1.00136	119.667	1.62237	1.40765	10.7088	8.60630	9.12251
Oct	1.58590	1.13271	0.989707	125.603	1.57559	1.38053	10.2169	8.42957	8.72357
Nov	1.55156	1.15632	0.994075	121.099	1.58212	1.43007	10.7459	8.59964	8.96507
Dec	1.53527	1.18654	0.992989	119.321	1.56254	1.44453	10.6293	8.82099	9.20039
2012 Jan	1.55108	1.17720	0.982386	118.441	1.55915	1.41707	10.4728	8.75197	9.01274
Feb	1.55602	1.15750	0.975991	125.493	1.53517	1.39529	10.2052	8.60667	9.16103
Mar	1.54909	1.15984	0.967633	127.257	1.54769	1.39898	10.2563	8.62917	8.81943
Apr	1.55055	1.17341	0.953534	125.735	1.53256	1.40976	10.4211	8.72882	8.90321
May	1.51026	1.21765	0.974108	119.008	1.56296	1.46344	10.9270	9.04945	9.16103
June	1.51755	1.20536	0.972602	120.342	1.54653	1.44987	10.5670	8.95993	9.07993
July	1.50833	1.22788	0.961575	117.876	1.51044	1.47530	10.2610	9.13626	9.11278
Aug	1.52201	1.20689	0.960929	119.402	1.50116	1.45200	10.1599	8.99297	8.80134
Sep	1.54219	1.19272	0.952499	119.628	1.51705	1.44272	10.0680	8.89229	8.78974
Oct	1.54057	1.18569	0.955922	122.691	1.53995	1.43057	10.2185	8.84502	8.75695
Nov	1.53481	1.18190	0.955849	126.545	1.52437	1.41970	10.2063	8.81686	8.71771

Source: IMF, Washington. * See Explanatory notes, pp 59–60. 1 ISO currency code: XDR.

V Value of the special drawing right in selected currencies *

3 Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krona NOK	
2012 Sep	4	1.52287	1.21064	0.959343	119.317	1.50200	1.45327	10.1625	9.02055	8.82441
	5	1.52158	1.20972	0.956974	119.459	1.50667	1.45707	10.2578	9.01356	8.83931
	6	1.52444	1.20624	0.958231	119.608	1.49777	1.45493	10.2959	8.98812	8.89300
	7	1.52670	1.20156	0.958681	120.441	1.49280	1.46151	10.2852	8.95407	8.85912
	10	1.53284	1.19978	0.958323	119.914	1.49636	1.44915	10.1459	8.94095	8.86643
	11	1.53435	1.19993	0.956755	120.017	1.49200	1.44705	10.1787	8.94222	8.86627
	12	1.54089	1.19486	0.956242	120.004	1.50344	1.44196	10.1760	8.90662	8.85026
	13	1.54030	1.19311	0.956471	119.774	1.50225	1.44557	10.1435	8.89292	8.85167
	14	1.54935	1.18316	0.954271	120.291	1.50442	1.44074	10.1662	8.82106	8.78912
	17	1.54948	1.18407	0.954408	.	1.50656	1.43668	10.2002	8.82753	8.84799
	18	1.54693	1.18503	0.951611	121.589	1.50702	1.43494	10.1982	8.83314	8.84674
	19	1.54333	1.18699	0.952263	122.154	1.50397	1.43422	10.1110	8.84838	8.82122
	20	1.54228	1.19058	0.952553	120.452	1.50743	1.43957	10.1164	8.87571	8.84838
	21	1.54550	1.18995	0.949677	121.075	.	1.43763	10.1146	8.87091	8.83119
	24	1.54074	1.19289	0.951013	120.270	1.51008	1.44352	10.1168	8.89458	8.87162
	25	1.54152	1.19202	0.950561	120.007	1.50606	1.44348	10.1511	8.88826	8.82091
	26	1.53940	1.19845	0.950778	119.673	1.51508	1.44658	10.1461	8.93575	8.87201
	27	1.53980	1.19605	0.950606	119.596	1.51116	1.44633	10.1483	8.91774	8.82690
	28	1.54219	1.19272	0.952499	119.628	1.51705	1.44272	10.0680	8.89229	8.78974
Oct	1	1.54000	1.19593	0.953862	120.012	1.51336	1.44391	10.1181	8.91615	8.82363
	2	1.54047	1.19139	0.954026	120.234	1.51413	1.44311	10.1531	8.88234	8.78410
	3	1.53944	1.19299	0.955466	120.415	1.51943	1.44307	10.2505	8.89569	8.84189
	4	1.54060	1.18956	0.956361	121.091	1.51318	1.44184	10.2655	8.86894	8.83673
	5	1.54425	1.18770	0.953944	121.316	1.50765	1.43893	10.2147	8.85504	8.78117
	9	1.53917	1.18827	0.961076	120.517	1.50654	1.44159	10.2379	8.86163	8.79910
	10	1.53624	1.19190	0.960034	120.211	1.50352	1.44545	10.2844	8.88944	8.81834
	11	1.53870	1.19113	0.959767	120.141	1.50515	1.43976	10.3390	8.88447	8.79353
	12	1.54114	1.18823	0.959371	120.825	1.51016	1.43696	10.3034	8.86289	8.79361
	15	1.54021	1.18743	0.959334	120.891	1.50694	1.43686	10.3248	8.85716	8.79879
	16	1.54257	1.18241	0.958718	121.586	1.52005	1.43228	10.2490	8.82013	8.73912
	17	1.54793	1.17983	0.957763	122.008	1.51636	1.42735	10.2080	8.80065	8.72600
	18	1.54647	1.17889	0.957625	122.387	1.51677	1.42646	10.1451	8.79368	8.69671
	19	1.54300	1.18374	0.960892	122.437	1.53251	1.42913	10.1079	8.82955	8.74065
	22	1.54253	1.18084	0.961501	122.354	1.53297	1.42823	10.1520	8.80770	8.72227
	23	1.53903	1.18342	0.962862	123.107	1.52888	1.43161	10.1709	8.82667	8.77740
	24	1.53655	1.18726	0.959978	122.693	1.52825	1.43560	10.2517	8.85606	8.82729
	25	1.53989	1.18517	0.954198	123.345	1.53096	1.43317	10.2709	8.83986	8.84306
	26	1.53582	1.18982	0.953807	123.234	1.53428	1.44059	10.3271	8.87500	8.88502
	29	1.53561	1.19058	0.956535	122.327	.	.	.	.	.
	30	1.53824	1.18673	0.957689	122.290	.	.	.	.	.
	31	1.54057	1.18569	0.955922	122.691	1.53995	1.43057	10.2185	8.84502	8.75695
Nov	1	1.53889	1.18605	0.952109	123.142	.	1.43302	10.2549	8.84760	8.74172
	2	1.53439	1.19408	0.953743	123.150	1.52886	1.43726	10.2480	8.90726	8.75319
	5	1.52913	1.19678	0.957139	123.064	1.52378	1.44273	10.2586	8.92674	8.78742
	6	1.52989	1.19523	0.957313	122.697	1.52010	1.44223	10.2454	8.91663	8.75143
	7	1.53065	1.20089	0.956901	122.605	1.52637	1.44264	10.2234	8.95784	8.78990
	8	1.52761	1.19944	0.957744	122.148	1.52547	1.44512	10.2359	8.94678	8.75841
	9	1.52755	1.20337	0.958010	121.486	1.52847	1.44797	10.2332	8.97457	8.78634
	12	1.52621	1.19844	0.961335	121.304	.	1.44731	10.3062	8.93767	8.75220
	13	1.52653	1.20237	0.959721	121.542	1.52897	1.44669	10.3422	8.96636	8.80848
	14	1.52623	1.19930	0.961770	121.350	1.52897	1.44228	10.3471	8.94446	8.78133
	15	1.52493	1.19546	0.962158	122.315	.	1.43786	10.3299	8.91655	8.79794
	16	1.52380	1.19561	0.960846	123.626	1.52807	1.44137	10.3220	8.91742	8.81112
	19	1.52594	1.19569	0.959472	124.318	1.52045	1.43957	10.3515	8.91790	8.81399
	20	1.52732	1.19238	0.959012	124.110	1.52274	1.43568	10.2908	8.89300	8.74608
	21	1.52549	1.19132	0.957442	124.861	1.52244	1.43365	10.3547	8.88415	8.72760
	26	1.53365	1.18301	0.957515	126.219	1.52583	1.42430	10.1713	8.82293	8.67973
	27	1.53325	1.18297	0.956544	125.726	1.52343	1.42576	10.1587	8.82278	8.70360
	28	1.53050	1.18726	0.957579	125.241	1.51964	1.42735	10.2420	8.85614	8.71634
	29	1.53450	1.18093	0.957928	126.105	1.52376	1.42279	10.1843	8.81018	8.67988
	30	1.53481	1.18190	0.955849	126.545	1.52437	1.41970	10.2063	8.81686	8.71771
Dec	3	1.53654	1.17679	0.957341	126.534	1.52547	1.42176	10.2243	8.77917	8.64827
	4	1.53990	1.17622	0.955155	126.426	1.52866	1.42749	10.1895	8.77501	8.64103
	5	1.53941	1.17827	0.955320	126.616	1.52586	1.42903	10.1510	8.78974	8.66731
	6	1.53825	1.17675	0.955019	126.783	1.52441	1.42565	10.1666	8.77755	8.63267
	7	1.53171	1.18692	0.955886	126.351	1.51487	1.43246	10.2027	8.85316	8.70072
	10	1.53148	1.18444	0.953953	126.439	1.51187	1.43132	10.2456	8.83478	8.67596

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2011

Exchange rate arrangement	Monetary Policy Framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste Zimbabwe	Kosovo Montenegro San Marino		Kiribati Tuvalu			
Currency board	Djibouti Hong Kong ECCU ² Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria Lithuania ³		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates Venezuela, Bolivarian Republic of	Cape Verde Comoros Denmark ³ Latvia ³ Sao Tome and Principe WAEMU ⁵ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁶ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco Samoa	Bhutan Lesotho Namibia Nepal Swaziland			
Stabilised arrangement	Cambodia Guyana Honduras Iraq Jamaica Lao People's Democratic Republic Lebanon Malawi ⁴ Maldives Suriname Trinidad and Tobago Viet Nam	Macedonia	Belarus Iran, Islamic Republic of Syrian Arab Republic Tunisia		Burundi ⁷ Pakistan ⁷ Tajikistan ⁷ Ukraine ^{4 7}		Azerbaijan ⁷ Bolivia ⁷ , Plurinational State of
Crawling peg	Nicaragua		Botswana		Uzbekistan ⁷		

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2011

Exchange rate arrangement	Monetary Policy Framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
Crawl-like arrangement	Ethiopia Kazakhstan	Croatia			Argentina ⁴ ⁷ Bangladesh ⁷ Congo ⁷ , Democratic Republic of the China ⁷ Dominican Republic ⁴ ⁷ Rwanda ⁴ ⁷ Sri Lanka ⁴ ⁷		Egypt ⁴ ⁸ Haiti ⁴ ⁷
Pegged exchange rate within horizontal bands			Tonga				
Other managed arrangement	Angola Liberia Sudan ⁴		Algeria Singapore Vanuatu		Guinea Nigeria Paraguay Solomon Islands Yemen		Costa Rica Kyrgyzstan Malaysia Mauritania Myanmar Russian Federation
Floating					Afghanistan Gambia Kenya Madagascar Mongolia Mozambique Papua New Guinea Seychelles Sierra Leone Tanzania, United Republic of Uganda Zambia	Albania Armenia ⁸ Brazil Colombia Georgia ⁴ ⁹ Ghana Guatemala Hungary Iceland Indonesia Israel Korea, Republic of Mexico Moldova, Republic of Peru Philippines Romania Serbia South Africa Thailand Turkey Uruguay	India Mauritius
Free floating						Australia Canada Chile Czech Republic New Zealand Norway Poland Sweden United Kingdom	Japan Somalia Switzerland United States EMU Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2011, Table 1, IMF, Washington. * See Explanatory notes, p 60. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. ² The member participates in the Eastern Caribbean Currency Union. ³ The member participates in ERM II. ⁴ The exchange rate arrangement was reclassified retroactively, overriding a previously published classification.

⁵ The member participates in the West African Economic and Monetary Union. ⁶ The member participates in the Central African Economic and Monetary Community. ⁷ The de facto monetary policy framework is an exchange rate anchor to the US dollar. ⁸ The de facto monetary policy framework is an exchange rate anchor to a composite. ⁹ The central bank has taken preliminary steps toward inflation targeting and is preparing for the transition to full-fledged inflation targeting.

VII ISO currency codes *

As of end-November 2012

ISO Code	Currency	Country ¹ or territory	ISO Code	Currency	Country ¹ or territory	ISO Code	Currency	Country ¹ or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUC	Convertible peso	Cuba ¹	GNF	Guinean franc	Guinea
			CUP	Cuban peso	Cuba	GTQ	Quetzal	Guatemala
AFN	Afghani	Afghanistan	CVE	Cape Verde escudo	Cape Verde	GYD	Guyana dollar	Guyana
ALL	Albanian lek	Albania	CZK	Czech koruna	Czech Republic			
AMD	Armenian dram	Armenia				HKD	Hong Kong dollar	Hong Kong
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HNL	Lempira	Honduras
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HRK	Croatian kuna	Croatia
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HTG	Gourde	Haiti
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HUF	Hungarian forint	Hungary
			EGP	Egyptian pound	Egypt	IDR	Indonesian rupiah	Indonesia
AWG	Aruban florin	Aruba	ERN	Nakfa	Eritrea	ILS	New Israeli sheqel	Israel
AZN	Azerbaijan manat	Azerbaijan	ETB	Birr	Ethiopia	INR	Indian rupee	India Bhutan
			EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	IQD	Iraqi dinar	Iraq
BAM	Convertible marka	Bosnia and Herzegovina			Åland Islands Andorra (French) Guiana Guadeloupe Martinique Mayotte Monaco Montenegro Réunion Saint Pierre and Miquelon Saint Barthélemy Saint Martin (northern part) San Marino Vatican City	IRR	Iranian rial	Iran, Islamic Republic of
BBD	Barbados dollar	Barbados				ISK	Icelandic krona	Iceland
BDT	Taka	Bangladesh				JMD	Jamaican dollar	Jamaica
BGN	Bulgarian lev	Bulgaria				JOD	Jordanian dinar	Jordan
BHD	Bahraini dinar	Bahrain				JPY	Japanese yen	Japan
BIF	Burundi franc	Burundi				KES	Kenya shilling	Kenya
BMD	Bermudian dollar	Bermuda				KGS	Kyrgyz som	Kyrgyzstan
BND	Brunei dollar	Brunei Darussalam				KHR	Riel	Cambodia
BOB	Boliviano	Bolivia, Plurinational State of				KMF	Comorian franc	Comoros
BRL	Brazilian real	Brazil				KPW	North Korean won	Korea, Democratic People's Republic of
BSD	Bahamian dollar	Bahamas				KRW	South Korean won	Korea, Republic of
BTN	Ngultrum	Bhutan				KWD	Kuwaiti dinar	Kuwait
BWP	Pula	Botswana				KYD	Cayman Islands dollar	Cayman Islands
BYR	Belarusian rouble	Belarus				KZT	Tenge	Kazakhstan
BZD	Belize dollar	Belize	FJD	Fiji dollar	Fiji			
			FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	LAK	Kip	Lao People's Democratic Republic
CAD	Canadian dollar	Canada				LBP	Lebanese pound	Lebanon
CDF	Congo franc	Congo, Democratic Republic of the	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LKR	Sri Lanka rupee	Sri Lanka
CHF	Swiss franc	Switzerland Liechtenstein				LRD	Liberian dollar	Liberia
CLP	Chilean peso	Chile	GEL	Lari	Georgia	LSL	Loti	Lesotho
CNY	Chinese yuan renminbi	China	GHS	Ghana cedi	Ghana	LTL	Lithuanian litas	Lithuania
COP	Colombian peso	Colombia	GIP	Gibraltar pound	Gibraltar	LVL	Latvian lats	Latvia
CRC	Costa Rican colón	Costa Rica	GMD	Dalasi	Gambia	LYD	Libyan dinar	Libya

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp 61–63.

Excerpts from official notifications and announcements on the euro and Exchange Rate Mechanism II

Council Regulation (EC) No 2866/98

of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro (published in the Official Journal of the European Communities L 359 of 31 December 1998)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 109I(4), first sentence thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

(1) Whereas according to Article 109j(4) of the Treaty, the third stage of Economic and Monetary Union shall start on 1 January 1999; whereas the Council, meeting in the composition of Heads of State or Government, has confirmed on 3 May 1998 that Belgium, Germany, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal and Finland fulfil the necessary conditions for the adoption of a single currency on 1 January 1999;

(2) Whereas according to Council Regulation (EC) No 974/98 of 3 May 1998 on the introduction of the euro, the euro shall be the currency of the Member States which adopt the single currency as from 1 January 1999; whereas the introduction of the euro requires the adoption of the conversion rates at which the euro will be substituted for the national currencies and at which rates the euro will be divided into national currency units; whereas the conversion rates in Article 1 are the conversion rates referred to in the third indent of Article 1 of Regulation (EC) No 974/98;

(3) Whereas according to Council Regulation (EC) No 1103/97 of 17 June 1997 on certain provisions relating to the introduction of the euro, every reference to the ECU in a legal instrument shall be replaced by a reference to

the euro at a rate of one euro to one ECU; whereas Article 109I(4), second sentence, of the Treaty, provides that the adoption of the conversion rates shall by itself not modify the external value of the ECU; whereas this is ensured by adopting as the conversion rates, the exchange rates against the ECU of the currencies of the Member States adopting the euro, as calculated by the Commission on 31 December 1998 according to the established procedure for the calculation of the daily official ECU rates;

(4) Whereas the Ministers of the Member States adopting the euro as their single currency, the Governors of the Central Banks of these Member States, the Commission and the European Monetary Institute/the European Central Bank, have issued two Communiqués on the determination and on the adoption of the irrevocable conversion rates for the euro dated 3 May 1998 and 26 September 1998, respectively;

(5) Whereas Regulation (EC) No 1103/97 stipulates that the conversion rates shall be adopted as one euro expressed in terms of each of the national currencies of the Member States adopting the euro; whereas in order to ensure a high degree of accuracy, these rates will be adopted with six significant figures and no inverse rates nor bilateral rates between the currencies of the Member States adopting the euro will be defined,

has adopted this Regulation:

Article 1

The irrevocably fixed conversion rates between the euro and the currencies of the Member States adopting the euro are:

¹ Editorial note: in the wording of the Treaty of Maastricht of 7 February 1992.

1 euro =	40.3399	Belgian francs
=	1.95583	German marks
=	166.386	Spanish pesetas
=	6.55957	French francs
=	0.787564	Irish pounds
=	1936.27	Italian lire
=	40.3399	Luxembourg francs
=	2.20371	Dutch guilders
=	13.7603	Austrian schillings
=	200.482	Portuguese escudos
=	5.94573	Finnish marks.

Article 2

This Regulation shall enter into force on 1 January 1999.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Communiqué of the European Union of 31 December 1998

The ministers of the euro-area Member States of the European Community, the European Central Bank and the ministers and the central bank governors of Denmark and Greece have decided, following a common procedure involving the European Commission and after consultation of the Monetary Committee, to fix the central rates of the participant currencies in the Exchange Rate Mechanism which comes into operation on 1 January 1999.

The euro central rates of the Danish krone and Greek drachma are as follows (units of national currency per euro):

Danish krone	7.46038
Greek drachma	353.109

A fluctuation band of plus or minus 2.25% will be observed around the central rate for the Danish krone. The standard fluctuation band of plus or minus 15% will be observed around the central rate for the Greek drachma. The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the central banks of Denmark and Greece in time for the opening of foreign exchange markets on 4 January 1999.

Council Regulation (EC) No 1478/2000

of 19 June 2000 amending Regulation (EC) No 2866/98 on the conversion rates between the euro and the currencies of the Member States adopting the euro (published in the Official Journal of the European Communities L 167 of 7 July 2000)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999 pursuant to Council Regulation (EC) No 974/98 of 3 May 1998 on the introduction of the euro.

(2) Council Decision 98/317/EC of 3 May 1998 in accordance with Article 121(4) of the Treaty stipulated that Greece did not fulfil the necessary conditions for the adoption of the single currency.

(3) Pursuant to Council Decision 2000/427/EC of 19 June 2000 in accordance with Article 122(2) of the Treaty on the adoption by Greece of the single currency on 1 January 2001 Greece now fulfils the necessary conditions, and the derogation of Greece should be abrogated with effect from 1 January 2001.

(4) The introduction of the euro in Greece requires the adoption of the conversion rate between the euro and the drachma,

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

has adopted this Regulation:

Article 1

In the list of conversion rates in Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the rates of the German mark and the Spanish peseta:

"= 340.750 Greek drachma".

Article 2

This Regulation shall enter into force on 1 January 2001.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Communiqué of the European Union of 27 June 2004

At the request of the Lithuanian authorities, the ministers of the euro area Member States of the European Union, the President of the European Central Bank and the ministers and the central bank governors of Denmark and Lithuania have decided, by mutual agreement, following a common procedure involving the European Commission and after consultation of the Economic and Financial Committee, to include the Lithuanian litas in the Exchange Rate Mechanism II (ERM II).

The central rate of the Lithuanian litas is set at

1 euro = 3.45280 litas.

The standard fluctuation band of plus or minus 15% will be observed around the central rate of the litas.

Following a careful assessment of the appropriateness and sustainability of Lithuania's currency board, it was accepted that Lithuania is joining the exchange rate mechanism with its existing currency board arrangement in place, as a unilateral commitment, thus placing no additional obligations on the ECB.

...

The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the Bank of Lithuania, in time for the opening of the foreign exchange markets on 28 June 2004.

Communiqué of the European Union of 29 April 2005

At the request of the Latvian authorities, the ministers of the euro area Member States of the European Union, the President of the European Central Bank and the ministers and the central bank governors of Denmark, Estonia, Lithuania, Slovenia and Latvia have decided, by mutual agreement, following a common procedure involving the European Commission and after consultation of the Economic and Financial Committee, to include the Latvian lats in the Exchange Rate Mechanism II (ERM II).

The central rate of the Latvian lats is set at

1 euro = 0.702804 lats.

The standard fluctuation band of plus or minus 15 percent will be observed around the central rate of the lats.

In line with the existing exchange rate regime, the Latvian authorities have declared that they will maintain the exchange rate of the lats at the central rate against the euro with a fluctuation band of plus or minus 1 percent as a unilateral commitment, thus placing no additional obligations on the ECB.

...

The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the Central Bank of Latvia, in time for the opening of the foreign exchange markets on 2 May 2005.

Council Regulation (EC) No 1086/2006

of 11 July 2006 amending Regulation (EC) No 2866/98 on the conversion rates between the euro and the currencies of the Member States adopting the euro (published in the Official Journal of the European Union L 195 of 15 July 2006)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Slovenia is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2006/495/EC of 11 July 2006 in accordance with Article 122(2) of the Treaty on the adoption by Slovenia of the single currency on January 2007, Slovenia fulfils the necessary conditions for the adoption of the single currency and the derogation of Slovenia is abrogated with effect from 1 January 2007.

(4) The introduction of the euro in Slovenia requires the adoption of the conversion rate between the euro and the tolar. This conversion rate should be set at 239.640 Slovenian tolar to 1 euro, which corresponds to the current central rate of the tolar in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In the list of conversion rates in Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the rates of the Portuguese escudo and the Finnish mark:

“= 239.640 Slovenian tolar”.

Article 2

This Regulation shall enter into force on 1 January 2007.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 1134/2007

of 10 July 2007 amending Regulation (EC) No 2866/98 as regards the conversion rate to the euro for Malta (published in the Official Journal of the European Union L 256 of 2 October 2007)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Malta is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2007/504/EC of 10 July 2007 in accordance with Article 122(2) of the Treaty on the adoption by Malta of the single currency on 1 January 2008, Malta fulfils the necessary conditions for the adoption of the single currency and the derogation of Malta is abrogated with effect from 1 January 2008.

(4) The introduction of the euro in Malta requires the adoption of the conversion rate between the euro and the Maltese lira. This conversion rate should be set at 0.4293 lira per 1 euro, which corresponds to the current central rate of the lira in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line shall be inserted between the conversion rates applicable to the Luxembourg franc and the Dutch guilder:

“= 0.429300 Maltese liras”.

Article 2

This Regulation shall enter into force on 1 January 2008.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 1135/2007

**of 10 July 2007 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Cyprus (published in the
Official Journal of the European Union L 256
of 2 October 2007)**

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Cyprus is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2007/503/EC of 10 July 2007 in accordance with Article 122(2) of the Treaty on the adoption by Cyprus of the single currency on 1 January 2008, Cyprus fulfils the necessary conditions for the adoption of the single currency and the derogation of Cyprus is abrogated with effect from 1 January 2008.

(4) The introduction of the euro in Cyprus requires the adoption of the conversion rate between the euro and

the Cyprus pound. This conversion rate should be set at 0.585274 pound per 1 euro, which corresponds to the current central rate of the pound in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line shall be inserted between the conversion rates applicable to the Italian lira and the Luxembourg franc:

“= 0.585274 Cyprus pounds”.

Article 2

This Regulation shall enter into force on 1 January 2008.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 694/2008

**of 8 July 2008 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Slovakia (published in the
Official Journal of the European Union L 195
of 24 July 2008)**

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

(2) According to Article 4 of the 2003 Act of Accession, Slovakia is a Member State with a derogation within the meaning of Article 122 of the Treaty.

(3) Pursuant to Council Decision 2008/608/EC of 8 July 2008 in accordance with Article 122(2) of the Treaty on the adoption by Slovakia of the single currency on 1 January 2009, Slovakia fulfils the necessary conditions for the adoption of the single currency and the derogation in favour of Slovakia shall be abrogated with effect from 1 January 2009.

(4) The introduction of the euro in Slovakia requires the adoption of the conversion rate between the euro and the Slovak koruna. This conversion rate shall be set at 30.1260 korunas per 1 euro, which corresponds to the current central rate of the koruna in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the conversion rates applicable to the Slovenian tolar and the Finnish mark:

"= 30.1260 Slovak korunas".

Article 2

This Regulation shall enter into force on 1 January 2009.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EU) No 671/2010

of 13 July 2010 amending Regulation (EC) No 2866/98 as regards the conversion rate to the euro for Estonia (published in the Official Journal of the European Union L 196 of 28 July 2010)

The Council of the European Union,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 140(3) thereof,

Having regard to the proposal from the European Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Estonia is a Member State with a derogation as defined in Article 139(1) of the Treaty on the Functioning of the European Union (hereinafter 'the Treaty').

(3) Pursuant to Council Decision 2010/416/EU of 13 July 2010 in accordance with Article 140(2) of the Treaty on the adoption by Estonia of the euro on 1 January 2011, Estonia fulfils the necessary conditions for the adoption of the euro and the derogation of Estonia is abrogated with effect from 1 January 2011.

(4) The introduction of the euro in Estonia requires the adoption of the conversion rate between the euro and the Estonian kroon. This conversion rate shall be set at 15.6466 kroon per 1 euro, which corresponds to the current central rate of the kroon in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line is inserted between the conversion rates applicable to the German mark and the Greek drachma:

"= 15.6466 Estonian kroons".

Article 2

This Regulation shall enter into force on 1 January 2011.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

■ Explanatory notes

■ Euro reference exchange rates of the European Central Bank

On 1 January 1999, 11 member states of the European Union initially adopted the euro as their single currency (see Excerpts from official notifications and announcements, pp 51-56). On 1 January 2001, Greece joined the European Monetary Union, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009 and Estonia on 1 January 2011 (for details, see Table I 1, p 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro-area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro reference exchange rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 2.15 pm CET. Only one reference rate, ie the middle rate, is established by this procedure.

■ Effective exchange rates of the euro

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on price competitiveness in the euro-area industrial sector. They are calculated by the ECB on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with 1999 Q1 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a decrease in the price competitiveness of the domestic economy. The weights are based on trade in manufactured goods (SITC 5-8) and also capture third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 58 shows trading partners' membership of the EER-12, EER-20 and EER-40 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked be-

yond the end of the first period. For information on the revision of trade weights carried out in February 2012, see ECB Monthly Bulletin, March 2012, pp 17-21.

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries concerned. If the price indices for determining the real effective exchange rate based on consumer price indices are not yet available, estimates are used for the calculation.

For further information on the calculation method, see the ECB's methodological notes relating to the daily nominal effective exchange rate of the euro and ECB Occasional Paper No 134 of June 2012, which can be downloaded from the ECB's website (www.ecb.int).

■ Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness, shown as a memo item, is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, *Monthly Report*, November 2001, pp 50-53, May 2007, pp 31-35 and February 2012, pp 34-35).

The indicators are broken down into three groups in Table III 1 (p 18).

The selected industrialised countries in the group of 24 comprise the respective euro-area countries (see Table I 1, p 7) as well as Canada, Denmark, Japan, Norway, Sweden, Switzerland, the United Kingdom and the United States.

The group of 36 countries comprise the euro-area countries and the EER-20 group. The group of 56 countries consist of the euro-area countries as well as the EER-40 group.

■ Overview of world currencies

The exchange rates listed in Table IV 1 (pp 20-42) are, in all cases, the latest end-of-month rates known to us in a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro^{o)}

Figures in %

As of February 2012

Trading partner	Calculation period for weights														
	EER-12					EER-20					EER-40				
	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009
	Period of use of weights														
Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	From 2007	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	From 2007	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	From 2007	
EER-40 group											100.0	100.0	100.0	100.0	100.0
EER-20 group						100.0	100.0	100.0	100.0	100.0					
EER-12 group	100.0	100.0	100.0	100.0	100.0										
Australia	1.2	1.2	1.3	1.4	1.5	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8
Canada	2.1	2.3	2.5	2.5	2.6	1.8	1.9	1.9	1.8	1.7	1.5	1.6	1.6	1.4	1.3
Denmark	3.7	3.4	3.6	3.8	4.1	3.2	2.8	2.8	2.7	2.6	2.6	2.3	2.3	2.2	2.1
Hong Kong	2.9	2.5	2.4	2.6	2.5	2.4	2.1	1.9	1.8	1.6	2.0	1.7	1.5	1.5	1.3
Japan	14.1	13.0	11.9	11.7	11.3	12.0	10.8	9.2	8.3	7.2	9.7	8.8	7.6	6.7	5.8
Korea, Republic of	4.2	3.9	4.3	5.6	6.2	3.6	3.3	3.4	4.0	3.9	2.9	2.7	2.8	3.2	3.1
Norway	1.9	1.7	1.6	1.9	2.1	1.6	1.4	1.3	1.3	1.3	1.3	1.2	1.0	1.1	1.1
Singapore	2.7	2.3	2.2	2.4	2.3	2.3	1.9	1.7	1.7	1.5	1.8	1.6	1.4	1.4	1.2
Sweden	6.7	6.3	6.0	7.0	7.4	5.8	5.2	4.7	4.9	4.7	4.7	4.3	3.8	4.0	3.7
Switzerland	9.6	8.7	8.9	9.2	10.2	8.2	7.2	6.9	6.5	6.5	6.6	5.9	5.7	5.2	5.2
United Kingdom	26.5	26.1	26.2	24.9	23.4	22.7	21.6	20.4	17.6	14.9	18.3	17.7	16.7	14.2	11.9
United States	24.4	28.6	29.2	27.1	26.5	20.9	23.7	22.7	19.2	16.9	16.9	19.4	18.6	15.5	13.5
Additional countries in the EER-20 group															
Bulgaria						0.3	0.4	0.4	0.5	0.6	0.3	0.3	0.4	0.4	0.5
China						5.5	6.5	9.2	14.1	18.8	4.4	5.3	7.6	11.4	15.0
Czech Republic						2.7	2.9	3.6	4.2	5.0	2.2	2.4	3.0	3.4	4.0
Hungary						1.9	2.6	3.0	3.2	3.2	1.5	2.2	2.5	2.6	2.6
Latvia						0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2
Lithuania						0.2	0.2	0.3	0.4	0.4	0.2	0.2	0.2	0.3	0.3
Poland						2.9	3.4	4.0	4.8	6.2	2.4	2.8	3.3	3.9	4.9
Romania						0.9	1.0	1.4	1.7	2.0	0.7	0.8	1.1	1.4	1.6
Additional countries in the EER-40 group															
Algeria											0.3	0.3	0.3	0.3	0.4
Argentina											0.6	0.5	0.3	0.3	0.3
Brazil											1.5	1.4	1.2	1.2	1.4
Chile											0.3	0.3	0.3	0.4	0.4
China (Taiwan)											2.3	2.4	2.1	1.8	1.4
Croatia											0.5	0.4	0.5	0.5	0.5
Iceland											0.0	0.1	0.1	0.1	0.1
India											1.5	1.3	1.5	1.8	2.1
Indonesia											1.0	0.8	0.7	0.6	0.6
Israel											1.0	1.0	0.9	0.7	0.7
Malaysia											1.2	1.1	1.2	1.1	1.0
Mexico											0.9	1.2	1.3	1.2	1.2
Morocco											0.6	0.6	0.6	0.6	0.6
New Zealand											0.1	0.1	0.1	0.1	0.1
Philippines											0.4	0.5	0.5	0.4	0.3
Russian Federation											2.4	1.8	2.2	2.9	3.4
South Africa											0.9	0.9	0.9	1.0	1.0
Thailand											1.2	1.0	1.0	1.0	1.1
Turkey											2.1	2.2	2.3	3.0	3.1
Venezuela, Bolivarian Republic of											0.2	0.2	0.2	0.2	0.2

^{o)} Figures have been rounded.

country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for the euro are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a "V" in the column "type of rate".

The previous-year average specified in this table was basically calculated from all of the rates or comparable figures available to us.

In addition to the generally accepted currency designation and its abbreviation, the three-character alphabetical ISO currency code is specified (see Table VII, pp 48-49). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, *inter alia*, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

The numerical country code is based on the list of countries for foreign trade and payments statistics of the Federal Republic of Germany, which can be found on the Deutsche Bundesbank's website under Service / Reporting System / External sector statistics / Code lists.

Value of the special drawing right

The value of a special drawing right (SDR) (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of four currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are reviewed every five years. As a result of the latest review, conducted in 2010, since 1 January 2011, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 30 December 2010 on the basis of the average exchange rates in the London spot exchange market in the fourth quarter of 2010 and the initial new percentage weights (column b) such that, on 30 December 2010, the new SDR value corresponded with the value calculated on the basis of the old basket.

	(a)	(b)
US dollar	0.660	41.9
Euro	0.423	37.4
Japanese yen	12.1	9.4
Pound sterling	0.111	11.3

The introduction of the euro as the single currency of initially 11 member states of the European Union necessitated an adjustment of the criteria used for selecting the currencies of the SDR valuation basket. The former criterion, according to which the currencies of the member states with the highest exports of goods and services were chosen, was extended to include exports by monetary unions incorporating IMF members. In a monetary union, exports of goods and services exclude cross-border trade between the members of the monetary union.

Moreover, a second selection criterion was introduced so as to ensure that the currencies included in the basket are actually the currencies used most commonly in international transactions. This includes the stipulation that the IMF must classify a currency included in the basket as being "freely usable". A currency is deemed to be freely usable if, in the estimation of the IMF Executive Board, it is widely used in payments for international transactions and is heavily traded in the major foreign exchange markets.

The respective weights of the various SDR basket currencies continue to depend on the value of exports of goods and services and the amount of reserves denominated in those currencies held by other member states of the IMF in the five years preceding the year of review.

The above-mentioned currency amounts are converted into US dollars on every business day on the basis of market rates. These market rates are normally the middle rates between the buying and selling rates fixed at noon in the London spot exchange market. The value of the SDR in terms of the US dollar is the sum of the US dollar equivalents of the currency amounts. Exchange rates for the SDR in terms of all other currencies are ascertained, using the rate for the SDR in terms of the US dollar, from the representative market exchange rates of these currencies for the US dollar; for the euro, it is the reference exchange rate of the European Central Bank.

The SDR is used by the IMF as the unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private organisations in Germany and abroad, *inter alia*, as the

“successor” to those units of account which had hitherto been defined in terms of gold (eg gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2011 (see Table VI, pp 46-47) is based on the IMF’s *Annual Report on Exchange Arrangements and Exchange Restrictions 2011*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

The IMF’s classification system is based on the actual, *de facto* exchange rate regimes identified and operating in member countries. These may differ from the official, *de jure* exchange rate arrangements in these countries.

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. A distinction is made between hard pegs (fixed exchange rate anchors) – such as exchange arrangements with no separate legal tender and a currency board arrangement (institutionalised, unilateral exchange rate peg) – and soft pegs (less stringent *de jure* and/or *de facto* exchange rate anchors). The latter comprise conventional pegged arrangements with a fixed exchange rate (exchange rate guarantee but no irrevocable parity), stabilised arrangements (exchange rate within a narrow band without any political obligation), crawling pegs (moving central rate without a band), crawl-like arrangements (moving central rate with an annual minimum rate of change) and pegged exchange rates within horizontal bands with or without a fixed central rate. In the case of floating exchange rate arrangements, a distinction is made between floating rates (market-determined with more frequent modes of intervention) and free-floating rates (market-determined with intervention in exceptional cases only). All other exchange rate arrangements are grouped under “Other managed arrangements”. The classification system presents members’ exchange rate arrangements

against alternative monetary policy frameworks in order to highlight the role of the exchange rate in broad economic policy and to illustrate that different exchange rate arrangements can be consistent with similar monetary frameworks.

The monetary policy frameworks listed are as follows.

Exchange rate anchor

The monetary authority buys or sells foreign exchange to maintain the exchange rate at its predetermined level or within a range. The exchange rate thus serves as the nominal anchor or intermediate target of monetary policy. These frameworks are associated with exchange rate arrangements with no separate legal tender, currency board arrangements, exchange rate pegs (or stabilised arrangements) with or without bands, crawling pegs (or crawl-like arrangements) and other managed arrangements.

Monetary aggregate target

The monetary authority uses its instruments to achieve a target growth rate for a monetary aggregate, such as reserve money, M1 or M2, and the targeted aggregate becomes the nominal anchor or intermediate target of monetary policy.

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authorities to achieve these targets, typically over a medium-term horizon. Additional key features normally include increased communication with the public and the markets about the plans and objectives of monetary policymakers and increased accountability of the central bank for achieving its inflation objectives. Monetary policy decisions are often guided by the deviation of forecasts of future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

The country has no explicitly stated nominal anchor, but instead monitors various indicators in conducting monetary policy. This category is also used when no relevant information on the country is available.

Explanatory notes on individual countries

Bangladesh

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 taka; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 taka.

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Monetary Union (Union Monétaire Ouest Africaine). The responsible monetary authority is the "Banque Centrale des Etats de l'Afrique de l'Ouest", whose CFA franc (F.CFA = Franc de la Communauté Financière Africaine) is legal tender only in the aforementioned countries.

Bhutan

The Indian rupee is likewise legal tender alongside the Bhutanese ngultrum (convertible at par).

Brunei Darussalam

Under an agreement between Brunei Darussalam and Singapore, the Singapore dollar (convertible at par) is also accepted as legal tender.

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Along with the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon, Cameroon is served by the "Banque des Etats de L'Afrique Centrale" (Bank of the Central African States), whose CFA Franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

The New Zealand dollar is also legal tender alongside the Cook Islands dollar (convertible at par).

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

Alongside the Cuban peso (CUP), which is used by residents to purchase their basic needs, there is a convertible peso (CUC), which is used particularly by foreigners.

Foreign currencies can be freely exchanged in Cuba for convertible pesos (CUC), and they enable both residents and foreigners to purchase items which the government considers to be luxury articles.

In its national accounts, the Cuban government fixes the ratio of convertible peso (CUC) to Cuban peso (CUP) at 1:1. In reality, Cuban pesos can only be exchanged for convertible pesos at a considerable discount.

The euro is also an accepted means of payment in some tourist centres.

El Salvador

The US dollar is likewise legal tender alongside the El Salvador colón.

Equatorial Guinea

See Explanatory notes on Cameroon.

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts are as follows: 1 lakh (in digits: 1,00,000) = 100,000 rupees; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 rupees.

Iran, Islamic Republic of

The term "toman" (an old Persian currency) is also used to denote 10 Iranian rials.

Kenya

The term "Kenya pound" is a unit of account equivalent to 20 Kenya shillings.

Kiribati

The Australian dollar (convertible at par) is also legal tender alongside some of Kiribati's own coins.

Lesotho

The South African rand is likewise legal tender alongside the loti.

Liberia

The US dollar is likewise legal tender alongside the Liberian dollar.

Macao

The Hong Kong dollar, to which the pataca is pegged at a rate of HKD 100 = MOP 103, is in circulation as a common currency alongside the pataca.

Macedonia

On 8 April 1993, Macedonia was admitted to the United Nations under the temporary designation "Former Yugoslav Republic of Macedonia"; this designation is in use within the European Union until further notice.

Mali

See Explanatory notes on Benin.

Namibia

The South African rand is likewise legal tender alongside the Namibia dollar.

New Caledonia

CFP was originally the abbreviation for "Colonies Françaises du Pacifique" and is still used as a currency symbol (in connection with the franc).

Niger

See Explanatory notes on Benin.

Panama

The US dollar is legal tender alongside the balboa, which is in circulation exclusively in coin form.

Sao Tome and Principe

The unit of account for 1,000 dobras is 1 conto.

Senegal

See Explanatory notes on Benin.

Singapore

Under an agreement between Singapore and Brunei Darussalam, the Brunei dollar (convertible at par) is also accepted as legal tender.

Somalia

No exchange rates have been available for the Somali shilling.

South Sudan

No exchange rates have been available for the South Sudanese pound.

Swaziland

The South African rand is likewise legal tender alongside the lilangeni.

Togo

See Explanatory notes on Benin.

United Arab Emirates

The United Arab Emirates include Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qaiwain.

United Kingdom

In Scotland and Northern Ireland, a small volume of bank-notes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

Zambia

The Bank of Zambia has announced that a currency changeover will take place on 1 January 2013 in the ratio of 1,000 Kwacha (old) = 1 Kwacha (new).

The new ISO-code should be ZMW.

Zimbabwe

In January 2009, the government accepted several foreign currencies as a means of payment (US dollar, South African rand, euro). Since April 2009, use of the Zimbabwe dollar has effectively been discontinued.