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to the Monthly Report

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Banking statistics	monthly
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## Abbreviations and symbols

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

<b>B</b>	Buying rate
<b>M</b>	Middle rate
<b>S</b>	Selling rate
<b>V</b>	Calculated value

<b>e</b>	Estimated
<b>p</b>	Provisional
<b>r</b>	Revised
<b>.</b>	Data unknown, not to be published or not meaningful
<b>–</b>	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
2001 January 1	Spain	Spanish peseta	ESP	166.386
	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	<sup>1</sup> 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	<sup>2</sup> 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	<sup>3</sup> 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	<sup>4</sup> 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	<sup>4</sup> 0.429300	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	<sup>5</sup> 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. <sup>1</sup> Until 31 December 2000; accession to EMU on 1 January 2001. <sup>2</sup> Until 31 December 2010; accession to EMU on 1 January 2011. <sup>3</sup> Until 31 December 2006; accession to EMU on 1 January 2007. <sup>4</sup> Until 31 December 2007; accession to EMU on 1 January 2008. <sup>5</sup> 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 July	2	1.9558	25.515	7.4343	286.20	0.6967	3.4528	4.2205	4.4503	8.7440	
	3	1.9558	25.555	7.4342	286.23	0.6968	3.4528	4.2100	4.4530	8.7305	
	4	1.9558	25.500	7.4366	285.36	0.6964	3.4528	4.2066	4.4764	8.6876	
	5	1.9558	25.457	7.4367	285.95	0.6959	3.4528	4.2060	4.4865	8.6177	
	6	1.9558	25.700	7.4413	287.60	0.6963	3.4528	4.2139	4.5360	8.6576	
	9	1.9558	25.536	7.4387	289.61	0.6962	3.4528	4.2333	4.5340	8.6225	
	10	1.9558	25.431	7.4380	288.12	0.6962	3.4528	4.1982	4.5253	8.5734	
	11	1.9558	25.395	7.4363	288.75	0.6962	3.4528	4.1697	4.5255	8.5384	
	12	1.9558	25.444	7.4370	288.60	0.6962	3.4528	4.2081	4.5385	8.5808	
	13	1.9558	25.395	7.4385	288.95	0.6961	3.4528	4.2113	4.5615	8.5746	
	16	1.9558	25.388	7.4397	288.15	0.6961	3.4528	4.1844	4.5650	8.6185	
	17	1.9558	25.340	7.4421	286.81	0.6962	3.4528	4.1705	4.5673	8.6046	
	18	1.9558	25.278	7.4388	285.90	0.6959	3.4528	4.1795	4.5653	8.4927	
	19	1.9558	25.331	7.4387	284.05	0.6959	3.4528	4.1584	4.5750	8.5045	
	20	1.9558	25.570	7.4394	285.97	0.6962	3.4528	4.1626	4.5995	8.4540	
	23	1.9558	25.579	7.4396	288.34	0.6962	3.4528	4.1968	4.6240	8.4508	
	24	1.9558	25.539	7.4392	288.93	0.6962	3.4528	4.2133	4.6388	8.4215	
	25	1.9558	25.560	7.4386	288.61	0.6963	3.4528	4.1936	4.6093	8.4592	
	26	1.9558	25.505	7.4384	284.81	0.6963	3.4528	4.1506	4.6230	8.4505	
	27	1.9558	25.310	7.4390	282.65	0.6966	3.4528	4.1275	4.6110	8.5008	
	30	1.9558	25.258	7.4385	279.70	0.6965	3.4528	4.1207	4.5635	8.3488	
	31	1.9558	25.255	7.4407	278.94	0.6961	3.4528	4.1050	4.5800	8.3590	
	Aug	1	1.9558	25.358	7.4418	280.38	0.6967	3.4528	4.1058	4.5938	8.3189
		2	1.9558	25.260	7.4417	279.93	0.6969	3.4528	4.1031	4.6188	8.3340
		3	1.9558	25.285	7.4415	278.95	0.6965	3.4528	4.0892	4.6470	8.2797
		6	1.9558	25.158	7.4422	275.66	0.6963	3.4528	4.0345	4.5798	8.3401
		7	1.9558	25.114	7.4437	277.11	0.6962	3.4528	4.0506	4.5435	8.3220
		8	1.9558	25.173	7.4438	277.93	0.6963	3.4528	4.0905	4.5499	8.2770
		9	1.9558	25.135	7.4424	276.79	0.6960	3.4528	4.0678	4.5443	8.2669
		10	1.9558	25.205	7.4427	278.90	0.6962	3.4528	4.0961	4.5345	8.2077
		13	1.9558	25.145	7.4431	279.10	0.6963	3.4528	4.0820	4.5315	8.2312
14		1.9558	25.040	7.4434	278.62	0.6962	3.4528	4.0833	4.5275	8.2483	
15		1.9558	24.962	7.4435	279.39	0.6962	3.4528	4.0875	4.4808	8.2250	
16		1.9558	24.912	7.4444	278.39	0.6962	3.4528	4.0771	4.4895	8.2347	
17		1.9558	25.020	7.4459	278.78	0.6963	3.4528	4.0806	4.4914	8.2766	
20		1.9558	24.905	7.4456	277.84	0.6962	3.4528	4.0697	4.4958	8.2339	
21		1.9558	24.783	7.4464	275.18	0.6963	3.4528	4.0624	4.4855	8.2595	
22		1.9558	24.968	7.4484	277.20	0.6963	3.4528	4.0761	4.4930	8.3412	
23		1.9558	24.903	7.4481	276.37	0.6963	3.4528	4.0808	4.4930	8.3087	
24		1.9558	24.906	7.4477	277.98	0.6963	3.4528	4.1022	4.4825	8.2441	
27		1.9558	24.845	7.4483	277.65	0.6963	3.4528	4.0780	4.4680	8.2397	
28		1.9558	24.828	7.4490	280.98	0.6963	3.4528	4.1012	4.4563	8.2405	
29		1.9558	24.810	7.4502	283.41	0.6963	3.4528	4.1555	4.4775	8.3375	
30		1.9558	24.917	7.4500	285.29	0.6962	3.4528	4.1968	4.4568	8.3478	
31		1.9558	24.840	7.4513	283.65	0.6960	3.4528	4.1765	4.4633	8.3362	
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	

\* 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		
0.80410	1.2283	2.5347	1.2808	7.9948	7.5165	9.7676	–	69.8180	2012 July	2
0.80275	1.2264	2.4930	1.2781	7.9883	7.4940	9.7503	–	68.3730		3
0.80320	1.2221	2.5362	1.2726	7.9727	7.4933	9.7397	–	68.4360		4
0.79840	1.2071	2.5116	1.2580	7.8992	7.4963	9.6360	–	68.2840		5
0.79650	1.2058	2.5028	1.2559	7.8786	7.4960	9.5968	–	68.7100		6
0.79360	1.2082	2.4948	1.2554	7.8336	7.4958	9.5332	–	68.7610		9
0.79210	1.2015	2.4964	1.2510	7.8215	7.4960	9.5266	–	68.0770		10
0.78815	1.1953	2.4899	1.2493	7.7828	7.4858	9.5070	–	68.2000		11
0.78860	1.2029	2.4928	1.2461	7.7619	7.4886	9.4459	–	68.1050		12
0.78750	1.1984	2.4800	1.2391	7.7849	7.4860	9.4523	–	67.1940		13
0.78440	1.1934	2.4851	1.2367	7.7687	7.4840	9.4456	–	67.3700		16
0.78615	1.1941	2.4966	1.2463	7.8282	7.4820	9.5253	–	67.6010		17
0.78400	1.1867	2.4756	1.2399	7.7937	7.4810	9.4893	–	67.8280		18
0.78300	1.1775	2.4806	1.2375	7.8317	7.5150	9.5300	–	67.6340		19
0.77835	1.1739	2.4636	1.2323	7.7775	7.5060	9.4634	–	67.5330		20
0.77980	1.1784	2.4698	1.2314	7.7303	7.5028	9.3899	–	67.7560		23
0.77850	1.1754	2.4710	1.2307	7.7199	7.5020	9.3776	–	67.8430		24
0.78320	1.1792	2.4738	1.2360	7.7518	7.5023	9.4132	–	68.1450		25
0.78280	1.1790	2.4806	1.2356	7.8283	7.5260	9.5107	–	68.0740		26
0.78295	1.1807	2.4875	1.2407	7.8591	7.5252	9.5544	–	68.1560		27
0.77985	1.1668	2.4828	1.2297	7.8123	7.5220	9.4971	–	68.0690		30
0.78395	1.1675	2.5117	1.2312	7.8147	7.5175	9.5246	–	68.3670		31
0.78750	1.1691	2.5221	1.2320	7.8322	7.5160	9.5359	–	68.2220	Aug	1
0.79040	1.1717	2.5134	1.2373	7.8612	7.5267	9.5752	–	68.9340		2
0.78745	1.1649	2.5018	1.2282	7.8031	7.5252	9.4958	–	68.2720		3
0.79500	1.1727	2.5130	1.2385	7.8904	7.5135	9.6004	–	68.7370		6
0.79340	1.1741	2.5204	1.2409	7.9175	7.5165	9.6432	–	68.4840		7
0.78880	1.1704	2.5103	1.2309	7.8473	7.4970	9.5679	–	68.3600		8
0.78710	1.1639	2.4913	1.2230	7.8226	7.5025	9.5405	–	68.0180		9
0.78610	1.1661	2.4772	1.2192	7.7989	7.4865	9.5121	–	67.7900		10
0.78615	1.1689	2.4954	1.2235	7.8509	7.4630	9.5716	–	68.2890		13
0.78600	1.1728	2.4945	1.2251	7.8545	7.4575	9.5813	–	68.7510		14
0.78260	1.1725	2.4872	1.2175	7.8104	7.4570	9.5227	–	68.3600		15
0.78195	1.1710	2.4817	1.2139	7.8172	7.4525	9.5247	–	68.4860		16
0.78515	1.1829	2.4948	1.2195	7.8445	7.4623	9.5680	–	68.7360		17
0.78345	1.1784	2.4817	1.2167	7.8235	7.4694	9.5412	–	68.5100		20
0.78835	1.1839	2.4964	1.2250	7.9015	7.4660	9.6404	–	68.8450		21
0.78785	1.1926	2.5119	1.2355	7.9067	7.4790	9.6560	–	69.0760		22
0.79110	1.1981	2.5339	1.2438	7.9760	7.4922	9.7365	–	69.3560		23
0.78960	1.2031	2.5397	1.2424	7.9492	7.4835	9.7013	–	69.3950		24
0.79244	1.2056	2.5395	1.2403	7.9666	7.4850	9.7184	–	69.7700		27
0.79470	1.2094	2.5560	1.2389	7.9719	7.4905	9.7327	–	69.8610		28
0.79180	1.2088	2.5736	1.2402	7.9696	7.4745	9.7307	–	69.7880		29
0.79110	1.2142	2.5738	1.2434	7.9649	7.4725	9.7294	–	69.7870		30
0.79525	1.2201	2.5804	1.2487	8.0062	7.4730	9.7806	–	70.0260		31
0.79120	1.2278	2.5503	1.2400	7.9686	7.4733	9.7484	–	69.7960	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

## 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 July	2	11,821.43	4.9410	100.51	1,440.68	3.9833	16.7865	1.5667	7.5255
	3	11,794.09	4.9400	100.26	1,428.80	3.9628	16.8120	1.5681	7.5195
	4	11,748.77	4.9190	100.28	1,428.07	3.9621	16.7927	1.5635	7.5165
	5	11,639.91	4.8683	99.14	1,409.68	3.9313	16.5626	1.5448	7.4760
	6	11,679.41	4.8627	98.87	1,410.37	3.9289	16.6403	1.5443	7.5190
	9	11,582.42	4.8707	97.81	1,404.59	3.9194	16.5464	1.5484	7.4965
	10	11,587.96	4.8672	97.64	1,402.23	3.9036	16.3538	1.5408	7.4865
	11	11,558.92	4.8605	97.14	1,398.56	3.8944	16.3330	1.5369	7.4745
	12	11,533.79	4.8417	96.63	1,406.78	3.8876	16.3487	1.5463	7.4710
	13	11,547.93	4.8340	96.60	1,402.40	3.8815	16.3659	1.5403	7.4410
	16	11,530.61	4.8505	96.25	1,398.88	3.8727	16.2379	1.5338	7.4525
	17	11,605.97	4.8934	97.14	1,404.93	3.8912	16.1864	1.5394	7.4750
	18	11,587.05	4.8989	96.63	1,398.54	3.8702	16.1445	1.5397	7.4825
	19	11,607.50	4.9540	96.51	1,399.40	3.8667	16.1271	1.5273	7.4775
	20	11,539.91	4.8830	95.86	1,393.41	3.8448	16.2327	1.5237	7.4230
	23	11,476.02	4.8923	94.72	1,391.08	3.8396	16.3715	1.5301	7.3810
	24	11,470.25	4.9274	94.63	1,388.79	3.8453	16.5008	1.5288	7.3720
	25	11,521.26	4.9359	94.97	1,395.59	3.8510	16.5456	1.5409	7.3695
	26	11,622.38	4.9928	95.79	1,404.59	3.8766	16.5217	1.5353	7.3990
	27	11,660.03	5.0072	96.29	1,402.30	3.8938	16.4814	1.5287	7.4730
	30	11,591.31	4.9458	95.78	1,392.94	3.8593	16.2021	1.5133	7.4220
	31	11,606.59	4.9064	96.03	1,387.85	3.8455	16.2856	1.5166	7.4215
Aug	1	11,618.25	4.8766	96.20	1,386.34	3.8301	16.3514	1.5145	7.3850
	2	11,686.68	4.9110	96.64	1,396.99	3.8503	16.4551	1.5164	7.4045
	3	11,597.39	4.8949	95.85	1,388.56	3.8277	16.2603	1.5038	7.3700
	6	11,720.81	4.9269	96.99	1,396.34	3.8449	16.2109	1.5112	7.3945
	7	11,770.39	4.9640	97.58	1,403.95	3.8576	16.3390	1.5139	7.3575
	8	11,685.79	4.9364	96.68	1,396.30	3.8272	16.3722	1.5177	7.3040
	9	11,652.07	4.9090	96.53	1,386.43	3.8193	16.1949	1.5171	7.2955
	10	11,632.35	4.9051	96.12	1,386.66	3.8222	16.1368	1.5162	7.2700
	13	11,710.00	5.0008	96.61	1,393.23	3.8524	16.1630	1.5205	7.3065
	14	11,721.86	4.9954	97.14	1,395.53	3.8493	16.1714	1.5259	7.3010
	15	11,668.81	4.9505	96.98	1,388.96	3.8382	16.1822	1.5253	7.2955
	16	11,660.38	4.9512	97.38	1,392.95	3.8411	16.1358	1.5201	7.3370
	17	11,728.32	4.9706	97.97	1,400.39	3.8649	16.3281	1.5301	7.3295
	20	11,686.50	4.9590	97.82	1,396.50	3.8480	16.1413	1.5230	7.3130
	21	11,794.58	4.9953	98.81	1,404.80	3.8713	16.2143	1.5286	7.3235
	22	11,826.61	5.0157	98.65	1,413.50	3.8852	16.4220	1.5387	7.3520
	23	11,904.63	5.0264	98.68	1,420.06	3.8865	16.4610	1.5372	7.3410
	24	11,898.61	5.0298	98.16	1,419.45	3.8790	16.5368	1.5435	7.3020
	27	11,929.82	5.0428	98.71	1,422.50	3.8968	16.5109	1.5455	7.2950
	28	11,967.20	5.0344	98.59	1,424.83	3.9137	16.5184	1.5552	7.2900
	29	11,986.13	5.0542	98.63	1,423.13	3.9153	16.6269	1.5612	7.3125
	30	11,993.96	5.0674	98.63	1,422.93	3.9225	16.7698	1.5671	7.2775
	31	12,042.49	5.0753	98.96	1,429.97	3.9360	16.7770	1.5708	7.2925
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

\* 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	
52.722	41.0527	1.5959	10.2766	1.2015	39.819	2.2775	1.2593	2012 July 2
52.387	40.7050	1.5885	10.2300	1.2012	39.561	2.2660	1.2575	3
52.275	40.5534	1.5876	10.2134	1.2013	39.533	2.2677	1.2560	4
51.822	40.3510	1.5695	10.0836	1.2012	39.192	2.2467	1.2426	5
51.806	40.4380	1.5697	10.1756	1.2011	39.138	2.2527	1.2377	6
51.686	40.6070	1.5631	10.1986	1.2010	39.043	2.2441	1.2293	9
51.402	40.3405	1.5570	10.0702	1.2010	38.870	2.2353	1.2285	10
51.288	40.2341	1.5499	10.0655	1.2010	38.864	2.2191	1.2260	11
51.340	39.8740	1.5487	10.1611	1.2010	38.750	2.2141	1.2178	12
51.110	39.9148	1.5459	10.1560	1.2009	38.560	2.2165	1.2185	13
50.968	39.7916	1.5426	10.0722	1.2010	38.530	2.2115	1.2177	16
51.295	39.8050	1.5495	10.0543	1.2010	38.783	2.2253	1.2281	17
51.021	39.6991	1.5416	10.0063	1.2010	38.794	2.2131	1.2234	18
51.188	39.3100	1.5403	10.0178	1.2010	38.827	2.2129	1.2287	19
51.186	39.0160	1.5332	10.0778	1.2009	38.674	2.2075	1.2200	20
50.948	39.4914	1.5264	10.2454	1.2010	38.470	2.2043	1.2105	23
50.783	39.6240	1.5224	10.2830	1.2010	38.431	2.2105	1.2089	24
51.096	39.7300	1.5263	10.2333	1.2010	38.453	2.2140	1.2134	25
51.485	39.6880	1.5336	10.1680	1.2010	38.729	2.2317	1.2260	26
51.639	39.7060	1.5407	10.1634	1.2010	38.836	2.2386	1.2317	27
51.262	39.3690	1.5268	10.0252	1.2010	38.673	2.2110	1.2246	30
51.244	39.5270	1.5278	10.0556	1.2014	38.670	2.1990	1.2284	31
51.298	39.7770	1.5315	10.1682	1.2013	38.726	2.2112	1.2298	Aug 1
51.564	39.8830	1.5366	10.2353	1.2024	38.902	2.2147	1.2346	2
51.104	39.6850	1.5255	10.1149	1.2012	38.657	2.1897	1.2245	3
51.732	39.2583	1.5370	10.1156	1.2013	38.969	2.2035	1.2379	6
51.888	39.2407	1.5423	10.1113	1.2015	39.149	2.2142	1.2436	7
51.507	39.2460	1.5375	10.1532	1.2012	38.883	2.2094	1.2336	8
51.414	38.9790	1.5326	9.9548	1.2010	38.760	2.1959	1.2301	9
51.261	39.1440	1.5296	9.9772	1.2009	38.589	2.1942	1.2262	10
51.701	39.1625	1.5356	10.0093	1.2010	38.769	2.2099	1.2339	13
51.834	39.2677	1.5392	10.0243	1.2010	38.810	2.2147	1.2352	14
51.882	39.2189	1.5351	10.0795	1.2011	38.743	2.2137	1.2276	15
51.999	39.1751	1.5360	10.1260	1.2010	38.753	2.2088	1.2279	16
52.344	39.3950	1.5452	10.2738	1.2011	38.886	2.2247	1.2337	17
52.148	39.4883	1.5432	10.2264	1.2010	38.771	2.2161	1.2300	20
52.547	39.5400	1.5536	10.2627	1.2010	39.086	2.2334	1.2428	21
52.692	39.6900	1.5582	10.3525	1.2009	39.062	2.2360	1.2448	22
52.949	39.8267	1.5641	10.3950	1.2010	39.187	2.2520	1.2552	23
52.806	39.8755	1.5636	10.5118	1.2009	39.059	2.2508	1.2507	24
52.917	39.8010	1.5673	10.5152	1.2010	39.156	2.2555	1.2530	27
53.073	40.2290	1.5714	10.5484	1.2010	39.288	2.2595	1.2548	28
53.120	40.3424	1.5728	10.5579	1.2010	39.316	2.2768	1.2545	29
53.011	40.5622	1.5716	10.6170	1.2009	39.363	2.2921	1.2544	30
53.191	40.7810	1.5746	10.6152	1.2009	39.510	2.2921	1.2611	31
52.669	40.7375	1.5682	10.5856	1.2008	39.250	2.2878	1.2568	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

## 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 <sup>1</sup>
2007 Sep	1.9558	27.573	7.4506	253.33	0.7021	3.4528	3.7891	3.3481	9.2835	0.68887	1.6445	2.6455
Oct	1.9558	27.335	7.4534	251.02	0.7030	3.4528	3.7062	3.3537	9.1735	0.69614	1.5837	2.5653
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

\* 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												Period
Canada	China	Croatia	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		
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		
1.4273	10.4533	7.3134	10.8151	88.59	55.8997	12,927.37	5.6691	159.82	1,291.46	4.8249	2007 Sep	
1.3891	10.6741	7.3284	11.0327	86.30	56.0591	12,945.80	5.7095	164.95	1,301.67	4.8005	Oct	
1.4163	10.8957	7.3365	11.4211	89.34	57.7965	13,608.92	5.7445	162.89	1,348.46	4.9279	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	

## 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 <sup>1</sup>	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 <sup>2</sup> TRY	United States US dollar USD
2007 Sep	15.3293	1.9358	7.8306	63.911	35.1723	2.1009	9.8912	1.6475	44.570	1.7536	1.3896
Oct	15.4044	1.8739	7.6963	62.894	35.4008	2.0849	9.6371	1.6706	44.898	1.7089	1.4227
Nov	15.9776	1.9231	7.9519	63.271	35.9174	2.1242	9.8553	1.6485	46.120	1.7498	1.4684
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
Feb	15.8786	1.8513	7.9480	59.845	36.1357	2.0808	11.2899	1.6080	46.085	1.7632	1.4748
Mar	16.6678	1.9344	7.9717	64.031	36.8259	2.1489	12.3712	1.5720	48.848	1.9309	1.5527
Apr	16.5608	1.9960	7.9629	65.790	37.0494	2.1493	12.2729	1.5964	49.752	2.0500	1.5751
May	16.2402	2.0011	7.8648	66.895	36.9042	2.1259	11.8696	1.6247	49.942	1.9408	1.5557
June	16.0617	2.0424	7.9915	68.903	36.7723	2.1278	12.3467	1.6139	51.649	1.9206	1.5553
July	16.1119	2.0900	8.0487	70.694	36.8261	2.1438	12.0328	1.6193	52.821	1.9128	1.5770
Aug	15.1269	2.1097	7.9723	67.307	36.2502	2.1024	11.4680	1.6212	50.697	1.7669	1.4975
Sep	15.2805	2.1293	8.1566	67.113	36.3727	2.0549	11.5899	1.5942	49.264	1.7843	1.4370
Oct	16.8177	2.1891	8.5928	63.882	35.2144	1.9666	12.9341	1.5194	45.872	1.9612	1.3322
Nov	16.6735	2.2554	8.8094	62.496	34.7964	1.9183	12.8785	1.5162	44.677	2.0342	1.2732
Dec	18.0764	2.4119	9.4228	64.595	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
Feb	18.6536	2.4851	8.7838	60.832	45.8079	1.9411	12.8005	1.4904	45.156	2.1280	1.2785
Mar	19.1278	2.4527	8.8388	63.105	45.1451	1.9949	12.9870	1.5083	46.667	2.2340	1.3050
Apr	17.7645	2.3123	8.7867	63.462	44.2135	1.9823	11.8784	1.5147	46.741	2.1277	1.3190
May	17.9969	2.2663	8.7943	64.600	43.5678	1.9939	11.4475	1.5118	47.241	2.1251	1.3650
June	18.6813	2.1967	8.9388	67.036	43.5553	2.0357	11.2718	1.5148	47.844	2.1675	1.4016
July	18.8143	2.1873	8.9494	67.724	44.3881	2.0421	11.2007	1.5202	47.969	2.1378	1.4088
Aug	18.5571	2.1097	8.6602	68.803	45.1972	2.0577	11.3415	1.5236	48.543	2.1236	1.4268
Sep	19.5255	2.0691	8.5964	69.967	44.7624	2.0720	10.9495	1.5148	49.239	2.1711	1.4562
Oct	19.5856	2.0065	8.3596	69.419	43.6188	2.0714	11.0938	1.5138	49.504	2.1823	1.4816
Nov	19.5478	2.0450	8.4143	70.165	43.1835	2.0711	11.2134	1.5105	49.634	2.2262	1.4914
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
Feb	17.7154	1.9615	8.0971	63.317	41.2845	1.9326	10.4964	1.4671	45.360	2.0756	1.3686
Mar	17.0587	1.9301	8.0369	61.999	40.1219	1.8990	10.0589	1.4482	44.111	2.0821	1.3569
Apr	16.3957	1.8814	7.9323	59.788	39.1335	1.8505	9.8658	1.4337	43.279	1.9983	1.3406
May	15.9856	1.8010	7.8907	57.315	38.2707	1.7503	9.6117	1.4181	40.714	1.9459	1.2565
June	15.5346	1.7667	7.9062	56.594	38.1507	1.7081	9.3398	1.3767	39.635	1.9274	1.2209
July	16.3699	1.7925	8.0201	59.072	39.1317	1.7588	9.6351	1.3460	41.273	1.9669	1.2770
Aug	16.4571	1.8059	7.9325	58.245	39.1898	1.7482	9.4192	1.3413	40.937	1.9484	1.2894
Sep	16.7361	1.7955	7.9156	57.772	40.2564	1.7439	9.3236	1.3089	40.264	1.9528	1.3067
Oct	17.2845	1.8498	8.1110	60.285	42.1471	1.8116	9.6165	1.3452	41.636	1.9800	1.3898
Nov	16.8386	1.7703	8.1463	59.485	42.3360	1.7739	9.5320	1.3442	40.826	1.9717	1.3661
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
Feb	16.4727	1.7925	7.8206	59.558	39.9469	1.7421	9.8126	1.2974	41.918	2.1702	1.3649
Mar	16.8063	1.8877	7.8295	60.870	39.8061	1.7757	9.6862	1.2867	42.506	2.2108	1.3999
Apr	16.9211	1.8331	7.8065	62.361	40.5363	1.8024	9.7200	1.2977	43.434	2.1975	1.4442
May	16.7177	1.8024	7.8384	61.953	40.0573	1.7763	9.8461	1.2537	43.398	2.2603	1.4349
June	16.9931	1.7666	7.8302	62.468	40.2670	1.7763	9.7807	1.2092	43.923	2.3077	1.4388
July	16.6491	1.6877	7.7829	60.961	39.8343	1.7359	9.7000	1.1766	42.949	2.3654	1.4264
Aug	17.5456	1.7108	7.7882	60.836	41.2954	1.7340	10.1532	1.1203	42.875	2.5147	1.4343
Sep	17.9370	1.6932	7.7243	59.322	42.3239	1.7229	10.3956	1.2005	41.902	2.4736	1.3770
Oct	18.4315	1.7361	7.7474	59.412	42.8569	1.7493	10.9188	1.2295	42.297	2.5089	1.3706
Nov	18.5646	1.7584	7.7868	58.743	41.8082	1.7476	11.0547	1.2307	41.969	2.4565	1.3556
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
Feb	16.9159	1.5845	7.5522	56.419	39.4232	1.6585	10.1289	1.2071	40.614	2.3264	1.3224
Mar	16.8239	1.6104	7.5315	56.634	38.7804	1.6624	10.0475	1.2061	40.557	2.3631	1.3201
Apr	17.1900	1.6095	7.5698	56.145	38.8087	1.6459	10.3060	1.2023	40.639	2.3520	1.3162
May	17.4237	1.6538	7.5655	54.908	39.5585	1.6152	10.4412	1.2012	40.077	2.3149	1.2789
June	17.4529	1.6062	7.5401	53.510	41.1766	1.6016	10.5050	1.2011	39.640	2.2837	1.2526
July	16.4263	1.5390	7.4579	51.452	39.9467	1.5494	10.1379	1.2011	38.873	2.2281	1.2288
Aug	16.3600	1.5306	7.3239	52.173	39.6334	1.5480	10.2585	1.2011	38.974	2.2291	1.2400
Sep	16.6413	1.5721	7.3945	53.629	40.4006	1.5837	10.6512	1.2089	39.842	2.3177	1.2856

\* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. <sup>1</sup> Up to December 2007, ECB indicative rates. <sup>2</sup> 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
<b>End of year</b>										
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	–
<b>Annual averages +</b>										
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	
<b>End of year</b>										
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	1.5281	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
<b>Annual averages +</b>										
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)										
Period	Croatia Croatian kuna HRK <sup>1</sup>	Hong Kong Hong Kong dollar HKD <sup>2</sup>	Iceland Icelandic krona ISK <sup>2 3</sup>	India Indian rupee INR <sup>4</sup>	Indonesia Indonesian rupiah IDR <sup>1</sup>	Israel New Israeli sheqel ILS <sup>5</sup>	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW <sup>2</sup>	Malaysia Malaysian ringgit MYR <sup>1</sup>	Mexico Mexican peso MXN <sup>6</sup>
<b>End of year</b>										
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	<sup>3</sup> -	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
<b>Annual averages +</b>										
1999	.	8.2694	77.18	.	8,386.62	.	121.32	1,267.26	4.0498	10.1945
2000	<sup>7</sup> 7.6410	7.1973	72.58	<sup>7</sup> 41.3561	7,731.57	<sup>7</sup> 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	<sup>3</sup> 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)										
Period	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP <sup>1</sup>	Russian Federation Russian rouble RUB <sup>1</sup>	Singapore Singapore dollar SGD <sup>2</sup>	South Africa South African rand ZAR <sup>2</sup>	Switzerland Swiss franc CHF	Thailand Thai baht THB <sup>1</sup>	Turkey Turkish lira / New Turkish lira TRL / TRY <sup>2 8</sup>	United States US dollar USD
<b>End of year</b>										
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	<sup>8</sup> 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
<b>Annual averages +</b>										
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	<sup>8</sup> 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

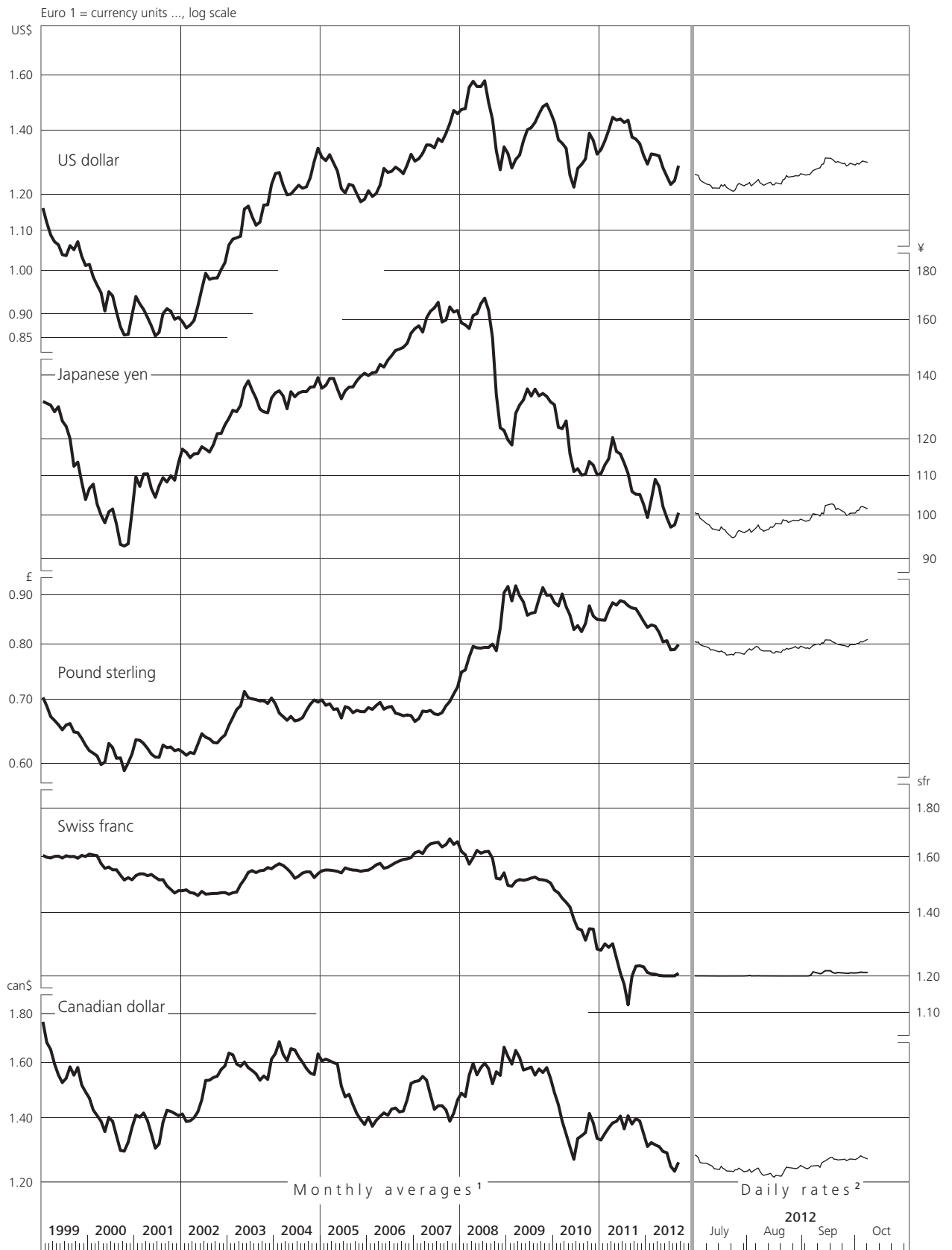
\* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. <sup>1</sup> Up to March 2005, ECB indicative rates. <sup>2</sup> Up to September 2000, ECB indicative rates. <sup>3</sup> The ECB has not fixed a euro reference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

tive rates. <sup>6</sup> Up to December 2007, ECB indicative rates. <sup>7</sup> Average from 13 January to 29 December 2000. <sup>8</sup> 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



### III Effective exchange rates of the euro \*

#### 1 Annual and monthly averages

1999 Q1 = 100

Period	Effective exchange rate of the euro <sup>1</sup>				<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	95.7	
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	93.9	92.2	
2011	103.4	100.7	112.1	97.6	98.2	93.6	105.2	93.1	91.7	
2008 May	112.0	111.4	119.4	108.4	103.3	94.5	118.1	99.1	98.3	
June	111.7	110.9	119.1	108.1	103.2	94.4	118.1	98.6	97.9	
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	107.0	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	106.2	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	102.0	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	94.2	112.7	97.0	95.9	
Feb	107.0	104.8	115.3	101.7	100.2	94.2	109.7	95.6	94.3	
Mar	106.2	104.3	114.2	100.8	100.1	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	93.1	91.2	
June	99.8	98.1	106.9	94.4	97.2	94.0	101.7	92.2	90.3	
July	101.6	99.8	109.2	96.4	97.8	94.0	103.2	92.9	91.2	
Aug	101.2	99.3	108.8	95.9	97.7	94.0	102.9	92.7	91.0	
Sep	101.5	99.5	109.2	96.0	97.7	93.8	103.2	92.7	91.0	
Oct	105.0	102.6	112.9	99.0	99.1	93.8	107.3	94.1	92.6	
Nov	103.7	101.2	111.7	97.7	98.7	94.0	106.1	93.6	92.0	
Dec	101.7	99.2	109.3	95.6	97.8	94.0	103.4	92.7	90.9	
2011 Jan	101.4	99.0	109.3	95.5	97.8	93.8	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	93.7	106.0	93.5	91.9	
Apr	105.9	103.4	114.0	99.7	99.5	93.8	108.6	94.3	92.7	
May	104.9	102.2	113.2	98.6	98.9	93.7	107.2	93.7	92.1	
June	105.0	102.2	113.4	98.8	99.0	93.7	107.3	93.7	92.2	
July	104.0	101.1	112.4	97.7	98.6	93.7	106.1	93.3	91.8	
Aug	103.9	100.8	112.9	98.0	98.2	93.7	105.0	93.2	91.9	
Sep	102.8	100.0	112.0	97.5	97.7	93.6	103.8	92.7	91.5	
Oct	103.0	100.3	112.6	97.9	97.8	93.5	104.2	92.8	91.8	
Nov	102.6	99.9	112.1	97.4	97.6	93.5	103.7	92.8	91.6	
Dec	100.8	98.1	110.3	95.8	96.8	93.3	101.8	91.8	90.6	
2012 Jan	98.9	96.3	108.0	p 93.7	96.2	93.3	100.0	90.8	p 89.4	
Feb	99.6	97.2	108.4	p 94.1	96.8	93.5	101.5	91.3	p 89.7	
Mar	99.8	97.3	108.6	p 94.3	96.8	93.3	101.8	91.1	p 89.6	
Apr	99.5	97.2	108.4	p 94.2	96.7	93.3	101.4	91.1	p 89.5	
May	98.0	95.7	107.2	p 93.1	95.9	93.3	99.5	90.4	p 88.9	
June	97.2	94.9	106.6	p 92.4	95.5	93.1	98.6	90.0	p 88.6	
July	95.3	p 93.2	104.4	p 90.6	94.9	93.1	96.8	p 89.1	p 87.6	
Aug	95.2	p 93.0	104.3	p 90.5	p 95.0	93.2	p 97.0	p 89.1	p 87.6	
Sep	97.2	p 95.0	106.6	p 92.4	p 95.7	p 93.1	p 99.0	p 90.0	p 88.6	

\* See Explanatory notes, p 57. <sup>1</sup> 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			
					July 2012	August 2012	September 2012	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 46.7604	AFN 51.7800	AFN 51.3800	AFN 52.0000	
		S	USD 1 =	AFN 46.8604	AFN 51.8800	AFN 51.4800	AFN 52.1000	
	AFN	B	EUR 1 =	AFN 65.2609	AFN 63.1600	AFN 64.1000	AFN 66.5200	
		S	EUR 1 =	AFN 65.5209	AFN 63.4200	AFN 64.3600	AFN 66.7800	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 100.91	ALL 111.95	ALL 110.09	ALL 108.34
M			EUR 1 =	ALL 140.41	ALL 137.31	ALL 138.24	ALL 140.19	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 72.8318	DZD 81.8228	DZD 79.9081	DZD 79.3403	
		S	USD 1 =	DZD 72.8468	DZD 81.8378	DZD 79.9231	DZD 79.3553	
	DZD	B	EUR 1 =	DZD 102.3850	DZD 102.1858	DZD 101.9457	DZD 102.5235	
		S	EUR 1 =	DZD 102.4227	DZD 102.2129	DZD 101.9811	DZD 102.5588	
<b>Angola</b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 93.661	AOA 95.139	AOA 95.155	AOA 95.179	
		S	USD 1 =	AOA 94.129	AOA 95.615	AOA 95.631	AOA 95.655	
	AOA	B	EUR 1 =	AOA 130.985	AOA 116.422	AOA 119.410	AOA 122.467	
		S	EUR 1 =	AOA 131.657	AOA 116.975	AOA 119.979	AOA 123.070	
<b>Antigua and Barbuda</b>								
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 3.3022	XCD 3.3901	XCD 3.4758	
		V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263	XCD 3.5130	
<b>Argentina</b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 4.0914	ARS 4.5450	ARS 4.5980	ARS 4.6570	
		S	USD 1 =	ARS 4.1314	ARS 4.5850	ARS 4.6380	ARS 4.6970	
	ARS	B	EUR 1 =	ARS 5.6929	ARS 5.5904	ARS 5.7765	ARS 5.9842	
		S	EUR 1 =	ARS 5.7490	ARS 5.6510	ARS 5.8383	ARS 6.0474	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 372.62	AMD 407.60	AMD 408.59	AMD 406.25	
		M	EUR 1 =	AMD 518.77	AMD 500.98	AMD 513.43	AMD 525.73	
<b>Aruba</b>								
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 218.78	AWG 224.61	AWG 230.29	
		S	EUR 100 =	AWG 251.86	AWG 220.98	AWG 226.87	AWG 232.60	

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		
					July 2012	August 2012	September 2012
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 1.0348	USD 1.0526	USD 1.0301	USD 1.0464
		M	AUD 1 =	EUR 0.7433	EUR 0.8578	EUR 0.8239	EUR 0.8093
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Azerbaijan</b>							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 0.7895	AZN 0.7855	AZN 0.7853	AZN 0.7852
		M	EUR 1 =	AZN 1.0995	AZN 0.9650	AZN 0.9830	AZN 1.0155
<b>Bahamas</b>							
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 1.19860	BSD 1.22930	BSD .
		S	EUR 1 =	BSD 1.42698	BSD 1.25740	BSD 1.28810	BSD .
<b>Bahrain</b>							
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 0.4485183	BHD 0.4586451	BHD 0.4704597
		S	EUR 1 =	BHD 0.5435928	BHD 0.4762617	BHD 0.4870149	BHD 0.4995603
<b>Bangladesh 1</b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 74.6219	BDT 81.2000	BDT 81.3000	BDT 81.2500
		S	USD 1 =	BDT 75.5926	BDT 82.1725	BDT 82.2725	BDT 82.2400
		B	EUR 1 =	BDT 102.8104	BDT 99.2767	BDT 100.2386	BDT 103.2162
		S	EUR 1 =	BDT 106.9388	BDT 103.2163	BDT 104.1923	BDT 107.1580
<b>Barbados</b>							
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 2.44136	BBD 2.49403	BBD 2.57238
		S	EUR 1 =	BBD 2.84170	BBD 2.48713	BBD 2.54079	BBD 2.62061
<b>Belarus</b>							
Minsk 073	Belarusian rouble BYR	M	USD 1 =	BYR 5,067.00	BYR 8,250.00	BYR 8,410.00	BYR 8,500.00
		M	EUR 1 =	BYR 7,024.34	BYR 10,130.00	BYR 10,550.00	BYR 10,990.00

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Belize</b>							
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	
		B S	EUR 1 =	BZD 2.7773	BZD 2.4349	BZD 2.5009	BZD 2.5618
			EUR 1 =	BZD 2.8263	BZD 2.4779	BZD 2.5451	BZD 2.6070
<b>Benin <sup>1</sup></b>							
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
<b>Bermuda</b>							
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	
		V, B V, S	EUR 1 =	BMD 1.3864	BMD 1.2235	BMD 1.2561	BMD 1.2878
			EUR 1 =	BMD 1.3980	BMD 1.2337	BMD 1.2665	BMD 1.2986
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 46.85	BTN 55.30	BTN 55.46	BTN 52.46
			USD 1 =	BTN 47.18	BTN 55.68	BTN 55.84	BTN 52.83
		B S	EUR 1 =	BTN 65.45	BTN 67.91	BTN 69.63	BTN 67.92
			EUR 1 =	BTN 65.90	BTN 68.37	BTN 70.09	BTN 68.39
<b>Bolivia, Plurinational State of</b>							
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	
		V, B V, S	EUR 1 =	BOB 9.5847	BOB 8.4268	BOB 8.6511	BOB 8.8700
			EUR 1 =	BOB 9.7239	BOB 8.5497	BOB 8.7773	BOB 8.9993
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.396814	BAM 1.593124	BAM 1.555278	BAM 1.508848
			USD 1 =	BAM 1.403815	BAM 1.601110	BAM 1.563074	BAM 1.516412
		B / S	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
<b>Botswana</b>							
Gaborone 391	Pula = 100 thebe BWP	B S	BWP 1 =	USD 0.1467	USD 0.1303	USD 0.1289	USD 0.1307
			BWP 1 =	USD 0.1464	USD 0.1300	USD 0.1285	USD 0.1304
		B S	BWP 1 =	EUR 0.1048	EUR 0.1059	EUR 0.1022	EUR 0.1011
			BWP 1 =	EUR 0.1045	EUR 0.1057	EUR 0.1019	EUR 0.1008

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

## IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month			
					July 2012	August 2012	September 2012	
<b>Brazil</b>								
Brasilia 508	Brazilian real = 100 centavos	B S	USD 1 =	BRL 1.6739	BRL 2.0494	BRL 2.0366	BRL 2.0300	
			USD 1 =	BRL 1.6746	BRL 2.0499	BRL 2.0372	BRL 2.0306	
	BRL	B S	EUR 1 =	BRL 2.3258	BRL 2.5234	BRL 2.5610	BRL 2.6100	
			EUR 1 =	BRL 2.3271	BRL 2.5242	BRL 2.5620	BRL 2.6109	
	<b>Brunei Darussalam <sup>1</sup></b>							
	Bandar Seri Begawan 703	Brunei dollar = 100 cents	B S	USD 1 =	BND 1.2463	BND 1.2368	BND 1.2432	BND 1.2155
USD 1 =				BND 1.2674	BND 1.2578	BND 1.2642	BND 1.2364	
BND		B S	EUR 1 =	BND 1.7276	BND 1.5037	BND 1.5425	BND 1.5569	
			EUR 1 =	BND 1.7843	BND 1.5602	BND 1.5994	BND 1.6134	
<b>Bulgaria</b>								
Sofia 068		Bulgarian lev = 100 stotinkas BGN	M M	USD 1 =	BGN 1.40677	BGN 1.59218	BGN 1.55089	BGN 1.51263
	EUR 1 =			BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583	
<b>Burkina Faso <sup>1</sup></b>								
Ouagadougou 236	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
<b>Burundi</b>								
Bujumbura 328	Burundi franc = 100 centimes	B S	USD 1 =	BIF 1,250.4301	BIF 1,447.8824	BIF 1,454.7554	BIF 1,458.1030	
			USD 1 =	BIF 1,282.0866	BIF 1,484.5376	BIF 1,491.5846	BIF 1,495.0170	
	BIF	B S	EUR 1 =	BIF 1,746.9807	BIF 1,779.0130	BIF 1,818.5897	BIF 1,886.2749	
			EUR 1 =	BIF 1,791.2081	BIF 1,824.0514	BIF 1,864.6299	BIF 1,934.0287	
	<b>Cambodia</b>							
	Phnom Penh 696	Riel = 100 sen KHR	M S	USD 1 =	KHR 4,066	KHR 4,070	KHR 4,045	KHR 4,043
EUR 1 =				KHR 5,684	KHR 4,990	KHR 5,061	KHR 5,220	
			EUR 1 =	KHR 5,694	KHR 4,990	KHR 5,062	KHR 5,221	
<b>Cameroon <sup>1</sup></b>								
Yaoundé 302	CFA franc XAF	2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
<b>Canada</b>								
Ottawa 404	Canadian dollar = 100 cents CAD	M M	USD 1 =	CAD 0.9891	CAD 1.0014	CAD 0.9863	CAD 0.9837	
			EUR 1 =	CAD 1.3752	CAD 1.2330	CAD 1.2405	CAD 1.2646	
<b>Cape Verde</b>								
Praia 247	Cape Verde escudo = 100 centavos CVE	B S	USD 1 =	CVE 78.901	CVE 89.941	CVE 87.802	CVE 85.548	
			USD 1 =	CVE 79.103	CVE 90.143	CVE 88.004	CVE 85.750	
	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. <sup>1</sup> Explanatory notes on individual countries, see pp 61–63. <sup>2</sup> Value against the euro.

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Cayman Islands</b>							
George Town 463	Cayman Islands dollar = 100 cents  KYD	2  V	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
			EUR 1 =	KYD 1.1600	KYD 1.0237	KYD 1.0509	KYD 1.0775
<b>Central African Republic <sup>1</sup></b>							
Bangui 306	CFA franc  XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chad <sup>1</sup></b>							
N'Djaména 244	CFA franc  XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chile</b>							
Santiago 512	Chilean peso = 100 centavos  CLP	M  M	USD 1 =	CLP 484.15	CLP 482.83	CLP 481.17	CLP 470.48
			EUR 1 =	CLP 673.05	CLP 591.63	CLP 602.06	CLP 607.78
<b>China</b>							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen  CNY	M  M  M	USD 1 =	CNY 6.4586	CNY 6.3320	CNY 6.3449	CNY 6.3410
			EUR 1 =	CNY 8.9937	CNY 7.7627	CNY 7.9378	CNY 8.1885
			HKD 1 =	CNY 0.82915	CNY 0.81649	CNY 0.81803	CNY 0.81782
<b>China (Taiwan)</b>							
Taipeh 736	New Taiwan dollar = 100 cents  TWD	B S  B S	USD 1 =	TWD 29.36	TWD 29.98	TWD 29.88	TWD 29.27
			USD 1 =	TWD 29.46	TWD 30.08	TWD 29.98	TWD 29.37
			EUR 1 =	TWD 40.77	TWD 36.66	TWD 37.27	TWD 37.69
			EUR 1 =	TWD 41.17	TWD 37.06	TWD 37.67	TWD 38.09
<b>Colombia</b>							
Bogotá 480	Colombian peso = 100 centavos  COP	B S  V, B V, S	USD 1 =	COP 1,849.87	COP 1,788.36	COP 1,830.06	COP 1,797.78
			USD 1 =	COP 1,850.81	COP 1,789.68	COP 1,830.94	COP 1,798.38
			EUR 1 =	COP 2,572.22	COP 2,196.82	COP 2,307.89	COP 2,324.53
			EUR 1 =	COP 2,573.51	COP 2,198.44	COP 2,309.00	COP 2,325.31
<b>Comoros</b>							
Moroni 375	Comorian franc = 100 centimes  KMF	3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
<b>Congo <sup>1</sup></b>							
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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 899.4758	CDF 894.7195	CDF 902.9759	CDF 898.4303
		S	USD 1 =	CDF 936.1890	CDF 931.2387	CDF 939.8320	CDF 935.1009
	CDF	B	EUR 1 =	CDF 1,257.2075	CDF 1,096.0394	CDF 1,131.4232	CDF 1,155.6802
		S	EUR 1 =	CDF 1,308.5260	CDF 1,140.7757	CDF 1,177.6037	CDF 1,202.9311
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar = 100 cents  NZD	<sup>2</sup> B	NZD 1 =	EUR 0.5787	EUR 0.6698	EUR 0.6482	EUR 0.6589
		S	NZD 1 =	EUR 0.5596	EUR 0.6477	EUR 0.6267	EUR 0.6345
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 501.51	CRC 495.11	CRC 492.65	CRC 492.42
		S	USD 1 =	CRC 512.56	CRC 505.98	CRC 503.22	CRC 503.31
	CRC	V, B	EUR 1 =	CRC 702.0121	CRC 608.1931	CRC 621.2809	CRC 636.6991
		V, S	EUR 1 =	CRC 717.4620	CRC 621.5458	CRC 634.6107	CRC 650.7798
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc  XOF	<sup>3</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Croatia</b>							
Zagreb 092	Croatian kuna = 100 lipa	B	USD 1 =	HRK 5.328058	HRK 6.106018	HRK 5.940445	HRK 5.739874
		S	USD 1 =	HRK 5.360122	HRK 6.142764	HRK 5.976195	HRK 5.774416
	HRK	B	EUR 1 =	HRK 7.412527	HRK 7.495748	HRK 7.456446	HRK 7.427397
		S	EUR 1 =	HRK 7.457136	HRK 7.540858	HRK 7.501320	HRK 7.472095
<b>Cuba <sup>1</sup></b>							
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 1.18569	CUC 1.21503	CUC 1.24548
		S	EUR 1 =	CUC 1.42612	CUC 1.26539	CUC 1.29670	CUC 1.32920
<b>Curaçao</b>							
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 218.78	ANG 224.61	ANG 230.29
		S	EUR 100 =	ANG 254.38	ANG 223.19	ANG 229.13	ANG 234.93
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Czech Republic</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 17.688	CZK 20.560	CZK 19.700	CZK 19.316
		M	EUR 1 =	CZK 24.602	CZK 25.255	CZK 24.840	CZK 24.865

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 536.22	DKK 605.72	DKK 590.86	DKK 576.60
			EUR 100 =	DKK 745.03	DKK 744.07	DKK 745.13	DKK 745.55
<b>Djibouti</b>							
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 215.66	DJF 220.13	DJF 224.63
			S	EUR 1 =	DJF 255.46	DJF 223.78	DJF 228.39
<b>Dominica</b>							
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 3.3022	XCD 3.3901	XCD 3.4758
			V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 38.0688	DOP 39.0870	DOP 39.1318	DOP 39.2566
			S	USD 1 =	DOP 38.1450	DOP 39.1648	DOP 39.2079
		V, B	EUR 1 =	DOP 53.2879	DOP 48.0145	DOP 49.3491	DOP 50.7588
			V, S	EUR 1 =	DOP 53.3943	DOP 48.1100	DOP 49.4451
<b>Egypt</b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 5.9367	EGP 6.0675	EGP 6.0925	EGP 6.0850
			S	USD 1 =	EGP 5.9647	EGP 6.0935	EGP 6.1185
		B	EUR 1 =	EGP 8.2472	EGP 7.4030	EGP 7.5945	EGP 7.7876
			S	EUR 1 =	EGP 8.3821	EGP 7.5972	EGP 7.7744
<b>El Salvador <sup>1</sup></b>							
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 10.7485	SVC 11.0346	SVC 11.3138
<b>Equatorial Guinea <sup>1</sup></b>							
Malabo 310	CFA franc XAF	<sup>2</sup>	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Eritrea</b>							
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 18.3930	ERN 18.8115	ERN 19.3575
			S	EUR 1 =	ERN 21.6859	ERN 19.1525	ERN 19.5710
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930

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

IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Ethiopia</b>							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 16.924275	ETB 17.8381	ETB 17.9072	ETB 17.9635
		S	USD 1 =	ETB 17.262764	ETB 18.1949	ETB 18.2653	ETB 18.3228
	ETB	B	EUR 1 =	ETB 23.685008	ETB 21.8838	ETB 22.4556	ETB 23.0759
		S	EUR 1 =	ETB 24.158704	ETB 22.3215	ETB 22.9047	ETB 23.5374
<b>Falkland Islands (Islas Malvinas)</b>							
Stanley 529	Falkland Islands pound = 100 pence FKP	2	FKP 1 =	GBP 1	GBP 1	GBP 1	GBP 1
<b>Fiji</b>							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.5702	USD 0.5683	USD 0.5634	USD 0.5731
		S	FJD 1 =	USD 0.5532	USD 0.5513	USD 0.5464	USD 0.5561
	FJD	B	FJD 1 =	EUR 0.4079	EUR 0.4621	EUR 0.4499	EUR 0.4428
		S	FJD 1 =	EUR 0.3959	EUR 0.4501	EUR 0.4379	EUR 0.4308
<b>Finland</b>							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>France</b>							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Gabon <sup>1</sup></b>							
Libreville 314	CFA franc XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Gambia</b>							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 29.32	GMD 32.63	GMD .	GMD .
		M	EUR 1 =	GMD 40.72	GMD 40.51	GMD .	GMD .
<b>Georgia</b>							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 1.6856	GEL 1.6592	GEL 1.6606	GEL 1.6593
		M	EUR 1 =	GEL 2.3464	GEL 2.0360	GEL 2.0826	GEL 2.1461
<b>Germany</b>							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930

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

<sup>2</sup> Value against the pound sterling; for rates see United Kingdom. <sup>3</sup> 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			
					July 2012	August 2012	September 2012	
<b>Ghana</b>								
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 1.5090	GHS 1.9080	GHS 1.9092	GHS 1.8835	
		S	USD 1 =	GHS 1.5412	GHS 1.9411	GHS 1.9374	GHS 1.9188	
	GHS	B	EUR 1 =	GHS 2.1110	GHS 2.3417	GHS 2.3904	GHS 2.4347	
		S	EUR 1 =	GHS 2.1556	GHS 2.3823	GHS 2.4254	GHS 2.4800	
	<b>Gibraltar</b>							
	Gibraltar 044	Gibraltar pound = 100 pence GIP	2	GIP 1 =	GBP 1	GBP 1	GBP 1	GBP 1
<b>Greece</b>								
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930	
<b>Grenada</b>								
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 3.3022	XCD 3.3901	XCD 3.4758	
		V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263	XCD 3.5130	
	<b>Guatemala</b>							
	Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.79111	GTQ 7.83494	GTQ 7.94454	GTQ 7.95719
V, M			EUR 1 =	GTQ 10.90491	GTQ 9.62444	GTQ 10.01886	GTQ 10.28865	
<b>Guinea</b>								
Conakry 260	Guinean franc	B	USD 1 =	GNF 6,705.1928	GNF 6,627.3963	GNF 6,660.1881	GNF 6,675.7767	
		S	USD 1 =	GNF 7,068.3309	GNF 7,037.3384	GNF 7,072.1584	GNF 7,088.7114	
	GNF	B	EUR 1 =	GNF 9,368.1248	GNF 8,121.1451	GNF 8,329.9638	GNF 8,631.3120	
		S	EUR 1 =	GNF 9,874.2252	GNF 8,623.4840	GNF 8,845.2193	GNF 9,165.2075	
	<b>Guinea Bissau <sup>1</sup></b>							
	Bissau 257	CFA franc XOF	3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Guyana</b>								
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 203.66	GYD 203.99	GYD 203.99	GYD 203.99	
		S	USD 1 =	GYD 206.08	GYD 206.42	GYD 206.42	GYD 206.42	
	GYD	B	EUR 1 =	GYD 285.23	GYD 250.37	GYD 256.51	GYD 263.78	
		S	EUR 1 =	GYD 288.84	GYD 253.55	GYD 259.77	GYD 267.12	

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		
					July 2012	August 2012	September 2012
<b>Haiti</b>							
Port-au-Prince 452	Gourde = 100 centimes  HTG	M	USD 1 =	HTG 40.5687	HTG 42.0188	HTG 42.1923	HTG 42.3222
		V, M	EUR 1 =	HTG 56.7855	HTG 51.6159	HTG 53.2087	HTG 54.7226
<b>Honduras</b>							
Tegucigalpa 424	Lempira = 100 centavos	B	USD 1 =	HNL 18.9197	HNL 19.5731	HNL 19.6577	HNL 19.7317
		S	USD 1 =	HNL 19.0522	HNL 19.7107	HNL 19.7955	HNL 19.8701
	V, B	EUR 1 =	HNL 26.4855	HNL 24.0436	HNL 24.7903	HNL 25.5131	
	V, S	EUR 1 =	HNL 26.6711	HNL 24.2126	HNL 24.9641	HNL 25.6920	
<b>Hong Kong</b>							
Hong Kong 740	Hong Kong dollar = 100 cents	B	USD 1 =	HKD 7.7729	HKD 7.7418	HKD 7.7430	HKD 7.7444
		S	USD 1 =	HKD 7.7975	HKD 7.7668	HKD 7.7680	HKD 7.7636
	B	EUR 1 =	HKD 10.8060	HKD 9.4765	HKD 9.7137	HKD 9.9966	
	S	EUR 1 =	HKD 10.8756	HKD 9.5464	HKD 9.7836	HKD 10.0645	
<b>Hungary</b>							
Budapest 064	Hungarian forint = 100 fillér  HUF	M	USD 1 =	HUF 200.94	HUF 227.35	HUF 225.93	HUF 219.17
		M	EUR 1 =	HUF 280.28	HUF 278.73	HUF 283.52	HUF 283.71
<b>Iceland</b>							
Reykjavik 024	Icelandic krona	B	USD 1 =	ISK 115.89	ISK 120.74	ISK 121.63	ISK 123.37
		S	USD 1 =	ISK 116.44	ISK 121.32	ISK 122.21	ISK 123.95
	B	EUR 1 =	ISK 160.97	ISK 148.19	ISK 153.05	ISK 159.52	
	S	EUR 1 =	ISK 161.87	ISK 149.01	ISK 153.91	ISK 160.42	
<b>India <sup>1</sup></b>							
New Delhi 664	Indian rupee = 100 paise	B	USD 1 =	INR 46.39	INR 55.01	INR 55.26	INR 52.31
		S	USD 1 =	INR 47.27	INR 55.83	INR 56.08	INR 53.13
	B	EUR 1 =	INR 64.31	INR 67.25	INR 68.94	INR 67.35	
	S	EUR 1 =	INR 65.94	INR 68.81	INR 70.38	INR 68.94	
<b>Indonesia</b>							
Jakarta 700	Indonesian rupiah = 100 sen	B	USD 1 =	IDR 8,733.04	IDR 9,438.00	IDR 9,512.00	IDR 9,540.00
		S	USD 1 =	IDR 8,820.96	IDR 9,532.00	IDR 9,608.00	IDR 9,636.00
	B	EUR 1 =	IDR 12,153.85	IDR 11,580.43	IDR 11,904.27	IDR 12,342.85	
	S	EUR 1 =	IDR 12,278.46	IDR 11,696.72	IDR 12,025.37	IDR 12,471.87	
<b>Iran, Islamic Republic of <sup>1</sup></b>							
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 15,059	IRR 15,372	IRR 15,762

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month			
					July 2012	August 2012	September 2012	
<b>Iraq</b>								
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 1,427.170	IQD 1,462.016	IQD 1,500.358	
		S	EUR 1 =	IQD 1,635.884	IQD 1,427.884	IQD 1,462.747	IQD 1,501.108	
	<b>Ireland</b>							
	Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Israel</b>								
Jerusalem 624	New Israeli sheqel = 100 agorot ILS	M	USD 1 =	ILS 3.5791	ILS 3.9970	ILS 4.0280	ILS 3.9120	
		M	EUR 1 =	ILS 4.9818	ILS 4.9066	ILS 5.0402	ILS 5.0649	
<b>Italy</b>								
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930	
<b>Jamaica</b>								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 85.6964	JMD 89.0754	JMD 89.4082	JMD 89.5075	
		S	USD 1 =	JMD 86.0884	JMD 89.6876	JMD 89.8177	JMD 89.9339	
	JMD	B	EUR 1 =	JMD 119.8060	JMD 109.1051	JMD 111.5329	JMD 115.0223	
		S	EUR 1 =	JMD 120.3454	JMD 109.8121	JMD 112.3005	JMD 115.6430	
<b>Japan</b>								
Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 78.79	JPY 77.17	JPY 77.60	JPY 76.60	
		S	USD 1 =	JPY 80.79	JPY 79.17	JPY 79.60	JPY 78.60	
	JPY	B	EUR 1 =	JPY 109.63	JPY 94.37	JPY 96.84	JPY 98.74	
		S	EUR 1 =	JPY 112.63	JPY 97.37	JPY 99.84	JPY 101.74	
<b>Jordan</b>								
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 0.86709	JOD 0.88642	JOD 0.90900	
		S	EUR 1 =	JOD 0.99865	JOD 0.87351	JOD 0.89197	JOD 0.92016	
<b>Kazakhstan</b>								
Astana 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 146.69	KZT 149.93	KZT 149.41	KZT 149.86	
		M	EUR 1 =	KZT 204.25	KZT 183.89	KZT 187.64	KZT 194.02	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 88.5983	KES 84.1250	KES 84.2250	KES 85.1861	
		S	USD 1 =	KES 88.8574	KES 84.3000	KES 84.4167	KES 85.3806	
	KES	B	EUR 1 =	KES 123.9396	KES 103.2940	KES 105.2955	KES 110.0092	
		S	EUR 1 =	KES 124.3294	KES 103.5317	KES 105.5656	KES 110.2839	

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> 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		
					July 2012	August 2012	September 2012
<b>Kiribati <sup>1</sup></b>							
Bairiki / Tarawa 812	Australian dollar / Kiribati = 100 cents  AUD	<sup>2</sup> M	AUD 1 =	EUR 0.7433	EUR 0.8578	EUR 0.8239	EUR 0.8093
<b>Korea, Democratic People's Republic of</b>							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 97.75	KPW 103.59	KPW 102.38	KPW 101.17
		S	USD 1 =	KPW 98.25	KPW 104.12	KPW 102.91	KPW 101.69
	KPW	B	EUR 1 =	KPW 136.28	KPW 127.00	KPW 128.60	KPW 130.00
		S	EUR 1 =	KPW 136.98	KPW 127.65	KPW 129.26	KPW 130.66
<b>Korea, Republic of</b>							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,097.92	KRW 1,117.50	KRW 1,122.90	KRW 1,101.20
		S	USD 1 =	KRW 1,119.56	KRW 1,139.50	KRW 1,145.10	KRW 1,122.80
	KRW	B	EUR 1 =	KRW 1,526.83	KRW 1,369.71	KRW 1,407.49	KRW 1,424.10
		S	EUR 1 =	KRW 1,557.67	KRW 1,397.37	KRW 1,435.91	KRW 1,452.86
<b>Kuwait</b>							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.27418	KWD 0.28025	KWD 0.28040	KWD 0.27980
		S	USD 1 =	KWD 0.27812	KWD 0.28385	KWD 0.28450	KWD 0.28340
	KWD	B	EUR 1 =	KWD 0.383582	KWD 0.344287	KWD 0.351678	KWD 0.359711
		S	EUR 1 =	KWD 0.389100	KWD 0.348710	KWD 0.356820	KWD 0.364339
<b>Kyrgyzstan</b>							
Bishkek 083	Kyrgyz som = 100 tyiyn  KGS	M	USD 1 =	KGS 46.1180	KGS 47.1487	KGS 46.0743	KGS 47.1484
		M	EUR 1 =	KGS 64.4549	KGS 57.8326	KGS 57.8256	KGS 61.0289
<b>Lao People's Democratic Republic</b>							
Vientiane 684	Kip	B	USD 1 =	LAK 8,010	LAK 7,998	LAK 7,998	LAK 7,986
		S	USD 1 =	LAK 8,047	LAK 8,035	LAK 8,035	LAK 8,023
	LAK	B	EUR 1 =	LAK 11,192	LAK 9,791	LAK 9,999	LAK 10,302
		S	EUR 1 =	LAK 11,245	LAK 9,837	LAK 10,046	LAK 10,351
<b>Latvia</b>							
Riga 054	Latvian lats = 100 santims  LVL	M	USD 1 =	LVL 0.5050	LVL 0.5720	LVL 0.5600	LVL 0.5460
		M	EUR 1 =	LVL 0.702804	LVL 0.702804	LVL 0.702804	LVL 0.702804
<b>Lebanon</b>							
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 1,851.36	LBP 1,891.76	LBP 1,951.76

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Lesotho <sup>1</sup></b>							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	.	LSL 8.4209	LSL 8.4244	LSL 8.2754
		M	EUR 1 =	.	LSL 10.2277	LSL 10.6271	LSL 10.7015
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 71.79	LRD 73.00	LRD 73.00	LRD 72.50
		S	USD 1 =	LRD 72.75	LRD 74.00	LRD 74.00	LRD 73.50
		V, B	EUR 1 =	LRD 100.5219	LRD 89.6732	LRD 92.0603	LRD 93.7425
		V, S	EUR 1 =	LRD 101.8643	LRD 90.9016	LRD 93.3214	LRD 95.0355
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 1.2173	LYD 1.2781	LYD 1.2675	LYD 1.2528
		S	USD 1 =	LYD 1.2234	LYD 1.2845	LYD 1.2738	LYD 1.2591
		B	EUR 1 =	LYD 1.7060	LYD 1.5683	LYD 1.5914	LYD 1.6106
		S	EUR 1 =	LYD 1.7145	LYD 1.5762	LYD 1.5993	LYD 1.6187
<b>Lithuania</b>							
Vilnius 055	Lithuanian litas = 100 centas LTL	M	USD 1 =	LTL 2.4829	LTL 2.8123	LTL 2.7518	LTL 2.6790
		M	EUR 1 =	LTL 3.4528	LTL 3.4528	LTL 3.4528	LTL 3.4528
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos MOP	B	USD 1 =	MOP 7.9676	MOP 7.9378	MOP 7.9389	MOP 7.9362
		S	USD 1 =	MOP 8.0678	MOP 8.0377	MOP 8.0388	MOP 8.0361
		B	EUR 1 =	MOP 11.1450	MOP 9.7350	MOP 9.9348	MOP 10.2495
		S	EUR 1 =	MOP 11.2852	MOP 9.8574	MOP 10.0598	MOP 10.3785
<b>Macedonia <sup>1</sup></b>							
Skopje 096	Macedonian denar = 100 deni MKD	B	USD 1 =	MKD 44.0216	MKD 49.9841	MKD 48.7833	MKD 47.3266
		S	USD 1 =	MKD 44.4640	MKD 50.4864	MKD 49.2736	MKD 47.8022
		B	EUR 1 =	MKD 61.2235	MKD 61.2105	MKD 61.1938	MKD 61.1933
		S	EUR 1 =	MKD 61.8388	MKD 61.8257	MKD 61.8088	MKD 61.8083
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 2,027.47	MGA 2,268.69	MGA 2,248.27	MGA 2,204.03
		M	EUR 1 =	MGA 2,820.10	MGA 2,783.47	MGA 2,815.94	MGA 2,849.53
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 155.8148	MWK 272.4782	MWK 278.1929	MWK 295.9816
		S	USD 1 =	MWK 158.0740	MWK 277.9828	MWK 283.8129	MWK 301.9610
		B	EUR 1 =	MWK 217.8922	MWK 334.0583	MWK 347.9080	MWK 382.2010
		S	EUR 1 =	MWK 221.0331	MWK 340.8069	MWK 354.9364	MWK 389.9223

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> 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		
					July 2012	August 2012	September 2012
<b>Malaysia</b>							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.0277	MYR 3.1158	MYR 3.0916	MYR 3.0347
		S	USD 1 =	MYR 3.0888	MYR 3.1852	MYR 3.1604	MYR 3.1023
	MYR	B	EUR 1 =	MYR 4.2042	MYR 3.8128	MYR 3.8667	MYR 3.9102
		S	EUR 1 =	MYR 4.3150	MYR 3.9132	MYR 3.9686	MYR 4.0132
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari  MVR	M	USD 1 =	MVR 14.71	MVR 15.37	MVR 15.41	MVR 15.39
		V, M	EUR 1 =	MVR 20.59101	MVR 18.88051	MVR 19.43355	MVR 19.89927
<b>Mali 1</b>							
Bamako 232	CFA franc  XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Malta</b>							
Valletta 046	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Mauritania</b>							
Nouakchott 228	Ouguiya = 5 khoums  MRO	B	USD 1 =	MRO 279.70	MRO 299.25	MRO 300.45	MRO 301.25
		S	USD 1 =	MRO 282.50	MRO 302.25	MRO 303.46	MRO 304.27
	MRO	B	EUR 1 =	MRO 390.61	MRO 366.37	MRO 376.34	MRO 386.71
		S	EUR 1 =	MRO 394.53	MRO 370.04	MRO 380.11	MRO 390.59
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents  MUR	B	USD 1 =	MUR 28.0024	MUR 30.1991	MUR 29.7656	MUR 29.6066
		S	USD 1 =	MUR 29.3407	MUR 31.6025	MUR 31.0954	MUR 30.9580
	MUR	B	EUR 1 =	MUR 39.1454	MUR 37.0794	MUR 37.1975	MUR 38.2549
		S	EUR 1 =	MUR 41.0191	MUR 38.8051	MUR 38.9290	MUR 40.0391
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos  MXN	B	USD 1 =	MXN 12.4594	MXN 13.3075	MXN 13.1980	MXN 12.8563
		S	USD 1 =	MXN 12.4624	MXN 13.3115	MXN 13.2000	MXN 12.8593
	MXN	V, B	EUR 1 =	MXN 17.3129	MXN 16.3469	MXN 16.6440	MXN 16.6232
		V, S	EUR 1 =	MXN 17.3171	MXN 16.3518	MXN 16.6465	MXN 16.6271
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani  MDL	M	USD 1 =	MDL 11.7249	MDL 12.5429	MDL 12.4721	MDL 12.3851
		M	EUR 1 =	MDL 16.3079	MDL 15.3819	MDL 15.6618	MDL 15.9323
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo  MNT	M	USD 1 =	MNT 1,273.18	MNT 1,349.10	MNT 1,381.99	MNT 1,394.47
		M	EUR 1 =	MNT 1,778.36	MNT 1,654.27	MNT 1,729.21	MNT 1,803.26

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Montenegro</b>							
Podgorica 097	Euro = 100 cent	B	USD 1 =	EUR 0.7174	EUR 0.8141	EUR 0.7948	EUR 0.7711
		S	USD 1 =	EUR 0.7217	EUR 0.8190	EUR 0.7996	EUR 0.7757
		EUR					
<b>Morocco</b>							
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 8.0546	MAD 8.9271	MAD 8.7366	MAD 8.5571
		S	USD 1 =	MAD 8.1030	MAD 8.9807	MAD 8.7891	MAD 8.6086
	B	EUR 1 =	MAD 11.218	MAD 10.962	MAD 11.018	MAD 11.071	
	S	EUR 1 =	MAD 11.285	MAD 11.028	MAD 11.084	MAD 11.137	
<b>Mozambique</b>							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 28.75	MZN 28.12	MZN 28.59	MZN 28.66
		S	USD 1 =	MZN 28.95	MZN 28.32	MZN 28.79	MZN 28.86
	B	EUR 1 =	MZN 40.25	MZN 34.58	MZN 36.05	MZN 37.04	
	S	EUR 1 =	MZN 40.52	MZN 34.83	MZN 36.31	MZN 37.30	
<b>Myanmar</b>							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	.	MMK 875.00	MMK 872.00 r	MMK 861.00
		M	EUR 1 =	.	MMK 1,073.00	MMK 1,091.20 r	MMK 1,111.80
<b>Namibia <sup>1</sup></b>							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	.	NAD 8.2067	NAD 8.4730	NAD 8.2325
		M	EUR 1 =	.	NAD 10.0574	NAD 10.5791	NAD 10.6460
<b>Nepal</b>							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 74.82	NPR 88.35	NPR 88.70	NPR 83.95
		S	USD 1 =	NPR 75.42	NPR 88.95	NPR 89.30	NPR 84.55
	B	EUR 1 =	NPR 104.44	NPR 108.33	NPR 111.41	NPR 108.52	
	S	EUR 1 =	NPR 105.28	NPR 109.07	NPR 112.17	NPR 109.29	
<b>Netherlands</b>							
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>New Caledonia <sup>1</sup></b>							
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. <sup>1</sup> Explanatory notes on individual countries, see pp 61–63. <sup>2</sup> 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		
					July 2012	August 2012	September 2012
<b>New Zealand</b>							
Wellington 804	New Zealand dollar = 100 cents	B S	NZD 1 =	USD 0.8040	USD 0.8212	USD 0.8096	USD 0.8495
			NZD 1 =	USD 0.7825	USD 0.7993	USD 0.7879	USD 0.8241
	NZD	B S	NZD 1 =	EUR 0.5787	EUR 0.6698	EUR 0.6482	EUR 0.6589
			NZD 1 =	EUR 0.5596	EUR 0.6477	EUR 0.6267	EUR 0.6345
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos NIO	M V, M	USD 1 =	NIO 22.4684	NIO 23.6384	NIO 23.7363	NIO 23.8314
			EUR 1 =	NIO 31.4483	NIO 29.0374	NIO 29.9338	NIO 30.8140
<b>Niger 1</b>							
Niamey 240	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Nigeria</b>							
Abuja 288	Naira = 100 kobo NGN	B S	USD 1 =	NGN 151.40	NGN 154.84	NGN 154.80	NGN 154.78
			USD 1 =	NGN 152.40	NGN 155.84	NGN 155.80	NGN 155.78
	NGN	B S	EUR 1 =	NGN 210.7990	NGN 190.1435	NGN 194.9087	NGN 200.2079
			EUR 1 =	NGN 212.2517	NGN 191.3715	NGN 196.1678	NGN 201.5014
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre NOK	B S	USD 1 =	NOK 5.5986	NOK 6.0331	NOK 5.8065	NOK 5.6973
			USD 1 =	NOK 5.6204	NOK 6.0551	NOK 5.8285	NOK 5.7193
	NOK	B S	EUR 1 =	NOK 7.7927	NOK 7.4026	NOK 7.2618	NOK 7.3633
			EUR 1 =	NOK 7.8227	NOK 7.4326	NOK 7.2918	NOK 7.3933
<b>Oman</b>							
Muscat 649	Rial Omani = 1,000 baisa OMR	B S	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
			USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
	OMR	B S	EUR 1 =	OMR 0.5368352	OMR 0.4715520	OMR 0.4821504	OMR 0.4946304
			EUR 1 =	OMR 0.5382845	OMR 0.4729340	OMR 0.4835600	OMR 0.4959570
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B S	USD 1 =	PKR 86.18	PKR 94.50	PKR 94.25	PKR 94.50
			USD 1 =	PKR 86.38	PKR 94.70	PKR 94.45	PKR 94.70
	PKR	B S	EUR 1 =	PKR 120.00	PKR 116.08	PKR 117.98	PKR 122.19
			EUR 1 =	PKR 120.28	PKR 116.33	PKR 118.23	PKR 122.45
<b>Panama 1</b>							
Panama City 442	Balboa = 100 centésimos PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea PGK	B S	PGK 1 =	USD 0.4510	USD 0.5050	USD 0.5030	USD 0.5045
			PGK 1 =	USD 0.4090	USD 0.4630	USD 0.4610	USD 0.4625
	PGK	B S	PGK 1 =	EUR 0.3189	EUR 0.4047	EUR 0.3965	EUR 0.3855
			PGK 1 =	EUR 0.2984	EUR 0.3842	EUR 0.3760	EUR 0.3650

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		
					July 2012	August 2012	September 2012
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 4,192.36	PYG 4,403.62	PYG 4,416.34	PYG 4,449.22
		S	USD 1 =	PYG 4,211.47	PYG 4,408.48	PYG 4,419.18	PYG 4,461.30
	PYG	V, B	EUR 1 =	PYG 5,825.19	PYG 5,409.41	PYG 5,569.45	PYG 5,752.84
		V, S	EUR 1 =	PYG 5,851.84	PYG 5,415.38	PYG 5,573.03	PYG 5,768.46
<b>Peru</b>							
Lima 504	Nuevo sol = 100 céntimos	B	USD 1 =	PEN 2.750	PEN 2.628	PEN 2.609	PEN 2.597
		S	USD 1 =	PEN 2.751	PEN 2.629	PEN 2.610	PEN 2.598
	PEN	B	EUR 1 =	PEN 3.721	PEN 3.132	PEN 3.257	PEN 3.284
		S	EUR 1 =	PEN 3.943	PEN 3.437	PEN 3.317	PEN 3.423
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 42.99788	PHP 41.39333	PHP 41.73067	PHP 41.37349
		S	USD 1 =	PHP 43.67654	PHP 42.04667	PHP 42.38933	PHP 42.02651
	PHP	B	EUR 1 =	PHP 59.58113	PHP 50.51601	PHP 51.95373	PHP 53.18112
		S	EUR 1 =	PHP 61.07363	PHP 51.78143	PHP 53.25516	PHP 54.51330
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 2.9636	PLN 3.3508	PLN 3.3353	PLN 3.1780
		M	EUR 1 =	PLN 4.1329	PLN 4.1086	PLN 4.1838	PLN 4.1138
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Qatar</b>							
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 4.399	QAR 4.492	QAR 4.608
		S	EUR 1 =	QAR 5.1532	QAR 4.544	QAR 4.638	QAR 4.754
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.0475	RON 3.7242	RON 3.5484	RON 3.5029
		M	EUR 1 =	RON 4.2403	RON 4.5694	RON 4.4595	RON 4.5331
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopeken RUB	M	USD 1 =	RUB 29.3948	RUB 32.1881	RUB 32.2934	RUB 30.9169
		M	EUR 1 =	RUB 40.9121	RUB 39.5527	RUB 40.5250	RUB 39.9786

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		
					July 2012	August 2012	September 2012
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 595.637126	RWF 608.209912	RWF 609.572570	RWF 617.749524
		S	USD 1 =	RWF 605.244176	RWF 618.019750	RWF 619.404386	RWF 627.713226
	RWF	B	EUR 1 =	RWF 828.431163	RWF 745.847815	RWF 764.525917	RWF 794.734763
		S	EUR 1 =	RWF 841.792956	RWF 757.877619	RWF 776.856981	RWF 807.553065
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound = 100 pence  SHP	2	SHP 1 =	GBP 1	GBP 1	GBP 1	GBP 1
<b>Saint Kitts and Nevis</b>							
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 3.3022	XCD 3.3901	XCD 3.4758
		V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263	XCD 3.5130
<b>Saint Lucia</b>							
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 3.3022	XCD 3.3901	XCD 3.4758
		V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263	XCD 3.5130
<b>Saint Vincent and the Grenadines</b>							
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 3.3022	XCD 3.3901	XCD 3.4758
		V, S	EUR 1 =	XCD 3.7819	XCD 3.3374	XCD 3.4263	XCD 3.5130
<b>Samoa</b>							
Apia 819	Tala = 100 sene	B	WST 1 =	USD 0.4432	USD 0.4452	USD 0.4420	USD 0.4493
		S	WST 1 =	USD 0.4262	USD 0.4282	USD 0.4250	USD 0.4323
	WST	B	WST 1 =	EUR 0.3305	EUR 0.3815	EUR 0.3712	EUR 0.3659
		S	WST 1 =	EUR 0.2985	EUR 0.3365	EUR 0.3262	EUR 0.3209
<b>Sao Tome and Principe <sup>1</sup></b>							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 17,564.28	STD 20,006.53	STD 19,531.25	STD 19,073.57
		S	USD 1 =	STD 17,827.74	STD 20,306.63	STD 19,824.22	STD 19,359.67
	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
<b>Saudi Arabia</b>							
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 4.5261	SAR 4.6320	SAR 4.6960
		S	EUR 1 =	SAR 5.4277	SAR 4.7571	SAR 4.8683	SAR 5.0107

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> Explanatory notes on individual countries, see pp 61–63. <sup>2</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Serbia</b>							
Belgrade 099	Serbian dinar = 100 para	B	USD 1 =	RSD 73.0693	RSD 95.5142	RSD 94.4544	RSD 88.6709
		S	USD 1 =	RSD 73.5090	RSD 96.0890	RSD 95.0228	RSD 89.2045
	RSD	B	EUR 1 =	RSD 101.6215	RSD 117.3774	RSD 118.0963	RSD 114.6869
		S	EUR 1 =	RSD 102.2331	RSD 118.0838	RSD 118.8071	RSD 115.3771
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.1720	SCR 13.7064	SCR 12.7401	SCR 12.6751
		S	USD 1 =	SCR 12.6076	SCR 14.1309	SCR 13.2302	SCR 13.2165
	SCR	B	EUR 1 =	SCR 16.9934	SCR 16.6990	SCR 16.0682	SCR 16.6946
		S	EUR 1 =	SCR 17.6852	SCR 17.3156	SCR 16.4939	SCR 16.8523
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 4,314.46	SLL 4,288.83	SLL 4,291.37	SLL 4,291.82
		S	USD 1 =	SLL 4,402.46	SLL 4,375.47	SLL 4,378.06	SLL 4,378.52
	SLL	V, B	EUR 1 =	SLL 6,040.16	SLL 5,268.40	SLL 5,411.85	SLL 5,549.32
		V, S	EUR 1 =	SLL 6,163.31	SLL 5,374.83	SLL 5,521.17	SLL 5,661.43
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.2572	SGD 1.2454	SGD 1.2523	SGD 1.2254
		M	EUR 1 =	SGD 1.7493	SGD 1.5305	SGD 1.5676	SGD 1.5844
<b>Sint Maarten (southern part)</b>							
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 218.78	ANG 224.61	ANG 230.29
S		EUR 100 =	ANG 254.38	ANG 223.19	ANG 229.13	ANG 234.93	
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents	B	SBD 1 =	USD 0.1327	USD 0.1372	USD 0.1372	USD 0.1372
		S	SBD 1 =	USD 0.1301	USD 0.1347	USD 0.1347	USD 0.1347
	SBD	B	SBD 1 =	EUR 0.0970	EUR 0.1149	EUR 0.1127	EUR 0.1092
		S	SBD 1 =	EUR 0.0922	EUR 0.1088	EUR 0.1067	EUR 0.1034

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> Explanatory notes on individual countries, see pp 61–63. <sup>2</sup> 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		
					July 2012	August 2012	September 2012
<b>Somalia <sup>1</sup></b>							
Mogadishu 342	Somali shilling	B	USD 1 =	.	.	.	.
	SOS	S	USD 1 =	.	.	.	.
<b>South Africa</b>							
Pretoria Seat of Parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 7.0972	ZAR 8.0136	ZAR 8.2572	ZAR 8.1060
		S	USD 1 =	ZAR 7.4101	ZAR 8.3311	ZAR 8.5747	ZAR 8.4235
	ZAR	B	EUR 1 =	ZAR 9.8878	ZAR 9.8369	ZAR 10.3954	ZAR 10.4487
		S	EUR 1 =	ZAR 10.3395	ZAR 10.2770	ZAR 10.8396	ZAR 10.8984
<b>South Sudan <sup>1</sup></b>							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	.
	SSP	B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
<b>Spain</b>							
Madrid 011	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.3920	USD 1.2284	USD 1.2611	USD 1.2930
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 109.78	LKR 130.07	LKR 130.94	LKR 127.89
		S	USD 1 =	LKR 111.47	LKR 133.47	LKR 133.96	LKR 131.17
	LKR	B	EUR 1 =	LKR 151.94	LKR 159.03	LKR 163.29	LKR 164.54
		S	EUR 1 =	LKR 156.13	LKR 164.44	LKR 168.58	LKR 170.27
<b>Sudan</b>							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 2.6678	SDG 4.3980	SDG 4.3980	SDG 4.3980
		S	USD 1 =	SDG 2.6812	SDG 4.4200	SDG 4.4200	SDG 4.4200
	SDG	B	EUR 1 =	SDG 3.7372	SDG 5.3999	SDG 5.5151	SDG 5.6554
		S	EUR 1 =	SDG 3.7558	SDG 5.4269	SDG 5.5427	SDG 5.6837
<b>Suriname</b>							
Paramaribo 492	Surinamese dollar = 100 cent	B	USD 1 =	SRD 3.250	SRD 3.250	SRD 3.250	SRD 3.250
		S	USD 1 =	SRD 3.350	SRD 3.350	SRD 3.350	SRD 3.350
	SRD	B	EUR 1 =	SRD 4.545 ₣	SRD 3.980	SRD 4.077	SRD 4.184
		S	EUR 1 =	SRD 4.685 ₣	SRD 4.102	SRD 4.202	SRD 4.313
<b>Swaziland <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 7.2535	SZL 8.2046	SZL 8.4448	SZL 8.2541
		S	USD 1 =	SZL 7.3160	SZL 8.2060	SZL 8.4598	SZL 8.2641
	SZL	B	EUR 1 =	SZL 10.11231	SZL 10.0597	SZL 10.5653	SZL 10.6676
		S	EUR 1 =	SZL 10.20037	SZL 10.0655	SZL 10.5857	SZL 10.6830
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 6.4654	SEK 6.7704	SEK 6.6428	SEK 6.4959
		S	USD 1 =	SEK 6.5329	SEK 6.8379	SEK 6.7103	SEK 6.5634
	SEK	B	EUR 1 =	SEK 9.0294	SEK 8.3295	SEK 8.3350	SEK 8.4219
		S	EUR 1 =	SEK 9.0809	SEK 8.3810	SEK 8.3865	SEK 8.4734

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2011	Rate at end of month		
					July 2012	August 2012	September 2012
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.8874	CHF 0.9796	CHF 0.9579	CHF 0.9351
		B	EUR 1 =	CHF 1.2351	CHF 1.2011	CHF 1.2009	CHF 1.2098
<b>Syrian Arab Republic</b>							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 48.35	SYP 65.13	SYP 66.46	SYP 67.94
		S	USD 1 =	SYP 48.82	SYP 65.53	SYP 66.86	SYP 68.35
		B	EUR 1 =	SYP 67.72	SYP 79.88	SYP 83.40	SYP 87.30
		S	EUR 1 =	SYP 68.38	SYP 80.44	SYP 83.99	SYP 87.91
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 4.6180	TJS 4.7645	TJS 4.7644	TJS 4.7645
		M	EUR 1 =	TJS 6.4482	TJS 5.8418	TJS 5.9817	TJS 6.2695
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 1,546.0382	TZS 1,566.9604	TZS 1,559.4059	TZS 1,561.4554
		S	USD 1 =	TZS 1,577.5900	TZS 1,582.6300	TZS 1,575.0000	TZS 1,577.0700
		B	EUR 1 =	TZS 2,162.9209	TZS 1,925.0108	TZS 1,950.5050	TZS 2,019.7426
		S	EUR 1 =	TZS 2,207.5726	TZS 1,944.5775	TZS 1,970.6400	TZS 2,040.0978
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.4137	THB 31.4356	THB 31.2304	THB 30.6911
		S	USD 1 =	THB 30.6939	THB 31.7196	THB 31.5180	THB 30.9664
		B	EUR 1 =	THB 42.2220	THB 38.4496	THB 38.9641	THB 39.5489
		S	EUR 1 =	THB 42.8457	THB 39.0415	THB 39.5679	THB 40.1416
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Tonga</b>							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	B	TOP 1 =	USD 0.6116	USD 0.6214	USD 0.6142	USD 0.6224
		S	TOP 1 =	USD 0.5705	USD 0.5725	USD 0.5653	USD 0.5735
		B	TOP 1 =	EUR 0.4567	EUR 0.5280	EUR 0.5182	EUR 0.5100
		S	TOP 1 =	EUR 0.3968	EUR 0.4489	EUR 0.4391	EUR 0.4309
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.3798	TTD 6.3323	TTD 6.3441	TTD 6.3970
		S	USD 1 =	TTD 6.4290	TTD 6.4309	TTD 6.4345	TTD 6.4395
		B	EUR 1 =	TTD 8.7115	TTD 7.6579	TTD 7.6948	TTD 8.0475
		S	EUR 1 =	TTD 9.1061	TTD 7.9375	TTD 8.1082	TTD 8.3548

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> Explanatory notes on individual countries, see pp 61–63. <sup>2</sup> 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		
					July 2012	August 2012	September 2012
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 1.3896	TND 1.6173	TND 1.5919	TND 1.5648
		S	USD 1 =	TND 1.4039	TND 1.6206	TND 1.5950	TND 1.5679
	TND	B	EUR 1 =	TND 1.9343	TND 1.9854	TND 2.0010	TND 2.0226
		S	EUR 1 =	TND 1.9536	TND 1.9894	TND 2.0050	TND 2.0267
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 1.6694	TRY 1.8011	TRY 1.8070	TRY 1.7820
		S	USD 1 =	TRY 1.6774	TRY 1.8098	TRY 1.8157	TRY 1.7906
	TRY	B	EUR 1 =	TRY 2.3298	TRY 2.2087	TRY 2.2683	TRY 2.2929
		S	EUR 1 =	TRY 2.3410	TRY 2.2194	TRY 2.2792	TRY 2.3040
<b>Turkmenistan</b>							
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 3.4955	TMT 3.5782	TMT 3.6634
<b>Uganda</b>							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 2,527.23	UGX 2,473.61	UGX 2,494.15	UGX 2,531.09
		S	USD 1 =	UGX 2,542.59	UGX 2,483.17	UGX 2,504.19	UGX 2,540.70
	UGX	B	EUR 1 =	UGX 3,531.84	UGX 3,028.19	UGX 3,117.19	UGX 3,255.23
		S	EUR 1 =	UGX 3,553.52	UGX 3,039.90	UGX 3,129.74	UGX 3,267.59
<b>Ukraine</b>							
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 978.8228	UAH 1,002.6419	UAH 1,029.0188
<b>United Arab Emirates <sup>1</sup></b>							
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 4.42731	AED 4.51974	AED 4.63023
		S	EUR 1 =	AED 5.25707	AED 4.61001	AED 4.70554	AED 4.83540
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.6030	USD 1.5670	USD 1.5882	USD 1.6149
		M	EUR 1 =	GBP 0.8678	GBP 0.7860	GBP 0.7937	GBP 0.7966
<b>United States</b>							
Washington 400	US dollar = 100 cents	B	EUR 1 =	USD 1.3925	USD 1.2302	USD 1.2581	USD 1.2846
		S	EUR 1 =	USD 1.3928	USD 1.2303	USD 1.2584	USD 1.2848
	USD	B	GBP 1 =	USD 1.6037	USD 1.5672	USD 1.5872	USD 1.6144
		S	GBP 1 =	USD 1.6040	USD 1.5676	USD 1.5876	USD 1.6149

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 57. <sup>1</sup> 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		
					July 2012	August 2012	September 2012
<b>Uruguay</b>							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	B / S	USD 1 =	UYU 19.297	UYU 21.558	UYU 21.405	UYU 20.980
		B / S	EUR 1 =	UYU 26.824	UYU 26.526	UYU 26.922	UYU 26.970
<b>Uzbekistan</b>							
Tashkent 081	Uzbekistan sum = 100 tijin UZS	M	USD 1 =	UZS 1,717.81	UZS 1,904.90	UZS 1,921.74	UZS 1,938.60
		M	EUR 1 =	UZS 2,388.94	UZS 2,315.22	UZS 2,397.96	UZS 2,528.98
<b>Vanuatu</b>							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 90.30	VUV 92.37	VUV 92.56	VUV 91.10
		S	USD 1 =	VUV 95.48	VUV 97.01	VUV 97.22	VUV 95.68
		B	EUR 1 =	VUV 126.57	VUV 113.21	VUV 115.56	VUV 117.43
		S	EUR 1 =	VUV 131.93	VUV 117.54	VUV 119.98	VUV 121.93
<b>Venezuela, Bolivarian Republic of</b>							
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 5.27798365	VEF 5.39508154	VEF 5.51217943
		S	EUR 1 =	VEF 5.98499948	VEF 5.29201000	VEF 5.40940000	VEF 5.52679000
<b>Viet Nam</b>							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 20,677	VND 20,850	VND 20,840	VND 20,860
		S	USD 1 =	VND 20,714	VND 20,885	VND 20,880	VND 20,900
		B	EUR 1 =	VND 28,955.73	VND 25,410.80	VND 25,912.34	VND 26,734.32
		S	EUR 1 =	VND 29,480.24	VND 25,760.74	VND 26,275.50	VND 27,148.00
<b>Yemen</b>							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 213.75	YER 214.87	YER 214.89	YER 214.87
		S	USD 1 =	YER 213.85	YER 214.91	YER 214.93	YER 214.91
		B	EUR 1 =	YER 299.34	YER 263.73	YER 269.62	YER 276.87
		S	EUR 1 =	YER 299.48	YER 263.78	YER 269.67	YER 276.92
<b>Zambia</b>							
Lusaka 378	Kwacha = 100 ngwee ZMK	B	USD 1 =	ZMK 4,850.21	ZMK 4,952.37	ZMK 4,992.04	ZMK 5,083.45
		S	USD 1 =	ZMK 4,870.21	ZMK 4,972.37	ZMK 5,012.04	ZMK 5,103.45
		B	EUR 1 =	ZMK 6,780.79	ZMK 6,096.86	ZMK 6,299.95	ZMK 6,573.38
		S	EUR 1 =	ZMK 6,810.06	ZMK 6,122.98	ZMK 6,325.69	ZMK 6,600.26
<b>Zimbabwe 1</b>							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	.	.	.	.
		M	EUR 1 =	.	.	.	.



## 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 Jan	1.49192	1.16411	1.04316	133.676	1.84461	1.73332	12.2860	8.67626	10.3460
Feb	1.46736	1.16052	1.03372	143.141	1.86458	1.72445	13.2833	8.64633	10.3123
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	8.90274
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	8.61245
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

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 July	2	1.51978	1.20685	0.969866	121.218	.	1.44623	10.5406	8.97207	9.08207
	3	1.51773	1.20694	0.968185	120.690	1.53640	1.44913	10.5214	8.97263	9.07556
	5	1.51428	1.21864	0.971317	121.037	1.53412	1.45447	10.4735	9.06265	9.11054
	6	1.50756	1.21803	0.969989	120.559	1.53756	1.46263	10.5108	9.06372	9.15843
	9	1.50457	1.22392	0.971317	119.839	1.53646	1.46876	10.5642	9.10440	9.17515
	10	1.50529	1.22530	0.969396	119.685	1.53584	1.46795	10.5460	9.11378	9.17322
	11	1.50520	1.22773	0.967230	119.438	1.53455	1.47073	10.4887	9.12984	9.17675
	12	1.49966	1.23145	0.970525	119.403	1.53175	1.47746	10.5317	9.15826	9.20014
	13	1.50026	1.23124	0.971232	119.091	1.52291	1.47611	10.5474	9.15852	9.16162
	16	1.50103	1.23267	0.966473	.	1.52459	1.47881	10.5771	9.17069	9.18645
	17	1.50599	1.22627	0.963400	118.807	1.52722	1.47210	10.5765	9.12600	9.16632
	18	1.50394	1.22932	0.963818	118.932	1.52079	1.47567	10.4702	9.14461	9.19845
	19	1.50840	1.22764	0.961686	118.545	1.52002	1.47250	10.4460	9.13200	9.17970
	20	1.50573	1.23420	0.959067	118.576	1.52290	1.47817	10.4452	9.18181	9.16145
	23	1.50057	1.23963	0.965428	117.644	1.52638	1.48646	10.4668	9.22237	9.14972
	24	1.49854	1.23959	0.966240	117.260	1.52970	1.48850	10.4099	9.22152	9.13826
	25	1.50048	1.23659	0.967923	117.218	1.52764	1.49043	10.4560	9.19853	9.11303
	26	1.50463	1.22727	0.965810	117.512	1.51983	1.49004	10.4491	9.12892	9.08059
	27	1.51041	1.22628	0.959536	118.220	1.51947	1.47612	.	9.12226	9.16397
	30	1.50780	1.23126	0.959886	118.166	1.51277	1.47598	10.3572	9.15868	9.13843
	31	1.50833	1.22788	0.961575	117.876	1.51044	1.47530	10.2610	9.13626	9.11278
Aug	1	1.50894	1.22698	0.965475	117.682	1.51151	.	10.1878	9.13092	9.06117
	2	1.50636	1.22012	0.968720	118.174	1.51570	1.47578	10.1878	9.07977	9.03440
	3	1.50737	1.23101	0.966753	117.876	1.50526	1.47345	10.2334	9.16053	9.07252
	6	1.50974	1.21960	0.970836	118.575	.	1.46717	10.1935	9.07655	9.01827
	7	1.51341	1.21696	0.966725	118.439	1.50796	1.46483	10.1368	9.05863	8.95375
	8	1.51082	1.22472	0.965316	118.675	1.50281	1.46852	10.1757	9.11660	8.94542
	9	1.50896	1.22669	0.964748	118.363	1.49749	1.47183	10.0975	9.12950	8.94935
	10	1.50664	1.22871	0.965242	118.422	1.49399	1.47410	10.1319	9.14486	8.93272
	13	1.51082	1.22442	0.962001	118.236	1.50069	1.47214	10.0909	9.11353	8.94630
	14	1.51096	1.22325	0.962575	118.504	1.49796	1.46880	10.0616	9.10515	8.93096
	15	1.50703	1.22762	0.960993	118.754	1.49060	1.47372	10.1039	9.13784	8.95616
	16	1.50626	1.22670	0.959767	119.145	1.48833	1.47327	10.1031	9.13200	9.00017
	17	1.50952	1.22357	0.961659	119.795	1.49216	1.46680	10.1406	9.11054	8.96821
	20	1.50747	1.22559	0.960606	119.950	1.49089	1.46903	10.0595	9.12517	8.96266
	21	1.51259	1.21709	0.959951	120.070	1.49202	1.46268	10.0584	9.06290	8.91329
	22	1.51467	1.21680	0.959380	120.007	1.50392	1.45939	10.1009	9.06323	8.94598
	23	1.52113	1.21186	0.958075	119.485	1.51018	1.45542	10.0919	9.02609	8.89632
	24	1.51970	1.21508	0.959223	119.373	1.50755	1.45755	10.0417	9.04953	8.87248
	27	1.51851	1.21190	0.961086	119.658	1.50211	1.45579	10.0408	9.02666	8.84072
	28	1.51960	1.21103	0.962621	119.364	1.49893	1.45502	10.0014	9.02096	8.82839
	29	1.52077	1.21225	0.961178	119.532	1.50176	1.45462	10.1098	9.03155	8.86454
	30	1.52032	1.21199	0.959555	119.543	1.50907	1.45601	10.1416	9.02935	8.82029
	31	1.52201	1.20689	0.960929	119.402	1.50116	1.45200	10.1599	8.99297	8.80134
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

## 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 <sup>1</sup>
	US dollar	Euro	Exchange rate anchor Composite	Other			
<b>No separate legal tender</b>	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste Zimbabwe	Kosovo Montenegro San Marino		Kiribati Tuvalu			
<b>Currency board</b>	Djibouti Hong Kong  <b>ECCU <sup>2</sup></b> Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria Lithuania <sup>3</sup>		Brunei Darussalam			
<b>Conventional peg</b>	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 <sup>3</sup> Latvia <sup>3</sup> Sao Tome and Principe  <b>WAEMU <sup>5</sup></b> Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo  <b>CAEMC <sup>6</sup></b> Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco Samoa	Bhutan Lesotho Namibia Nepal Swaziland			
<b>Stabilised arrangement</b>	Cambodia Guyana Honduras Iraq Jamaica Lao People's Democratic Republic Lebanon Malawi <sup>4</sup> Maldives Suriname Trinidad and Tobago Viet Nam	Macedonia	Belarus Iran, Islamic Republic of Syrian Arab Republic Tunisia		Burundi <sup>7</sup> Pakistan <sup>7</sup> Tajikistan <sup>7</sup> Ukraine <sup>4 7</sup>		Azerbaijan <sup>7</sup> Bolivia <sup>7</sup> , Plurinational State of
<b>Crawling peg</b>	Nicaragua		Botswana		Uzbekistan <sup>7</sup>		

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 <sup>1</sup>
	US dollar	Euro	Exchange rate anchor Composite	Other			
<b>Crawl-like arrangement</b>	Ethiopia Kazakhstan	Croatia			Argentina <sup>4</sup> <sup>7</sup> Bangladesh <sup>7</sup> Congo <sup>7</sup> , Democratic Republic of the China <sup>7</sup> Dominican Republic <sup>4</sup> <sup>7</sup> Rwanda <sup>4</sup> <sup>7</sup> Sri Lanka <sup>4</sup> <sup>7</sup>		Egypt <sup>4</sup> <sup>8</sup> Haiti <sup>4</sup> <sup>7</sup>
<b>Pegged exchange rate within horizontal bands</b>			Tonga				
<b>Other managed arrangement</b>	Angola Liberia Sudan <sup>4</sup>		Algeria Singapore Vanuatu		Guinea Nigeria Paraguay Solomon Islands Yemen		Costa Rica Kyrgyzstan Malaysia Mauritania Myanmar Russian Federation
<b>Floating</b>					Afghanistan Gambia Kenya Madagascar Mongolia Mozambique Papua New Guinea Seychelles Sierra Leone Tanzania, United Republic of Uganda Zambia	Albania Armenia <sup>8</sup> Brazil Colombia Georgia <sup>4</sup> <sup>9</sup> Ghana Guatemala Hungary Iceland Indonesia Israel Korea, Republic of Mexico Moldova, Republic of Peru Philippines Romania Serbia South Africa Thailand Turkey Uruguay	India Mauritius
<b>Free floating</b>						Australia Canada Chile Czech Republic New Zealand Norway Poland Sweden United Kingdom	Japan Somalia Switzerland United States  <b>EMU</b> 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. <sup>1</sup> Includes countries that have no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. <sup>2</sup> The member participates in the Eastern Caribbean Currency Union. <sup>3</sup> The member participates in ERM II. <sup>4</sup> The exchange rate arrangement was reclassified retroactively, overriding a previously published classification.

<sup>5</sup> The member participates in the West African Economic and Monetary Union. <sup>6</sup> The member participates in the Central African Economic and Monetary Community. <sup>7</sup> The de facto monetary policy framework is an exchange rate anchor to the US dollar. <sup>8</sup> The de facto monetary policy framework is an exchange rate anchor to a composite. <sup>9</sup> 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-September 2012

ISO Code	Currency	Country <sup>1</sup> or territory	ISO Code	Currency	Country <sup>1</sup> or territory	ISO Code	Currency	Country <sup>1</sup> or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUC	Convertible peso	Cuba <sup>1</sup>	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
			ERN	Nakfa	Eritrea	ILS	New Israeli sheqel	Israel
AWG	Aruban florin	Aruba	ETB	Birr	Ethiopia	INR	Indian rupee	India Bhutan
AZN	Azerbaijan manat	Azerbaijan	EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	IQD	Iraqi dinar	Iraq
						IRR	Iranian rial	Iran, Islamic Republic of
BAM	Convertible marka	Bosnia and Herzegovina				ISK	Icelandic krona	Iceland
BBD	Barbados dollar	Barbados				JMD	Jamaican dollar	Jamaica
BDT	Taka	Bangladesh				JOD	Jordanian dinar	Jordan
BGN	Bulgarian lev	Bulgaria				JPY	Japanese yen	Japan
BHD	Bahraini dinar	Bahrain						
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. <sup>1</sup> 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 Community<sup>1</sup>, 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:

---

<sup>1</sup> 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 Community<sup>1</sup>, 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,

<sup>1</sup> 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 Community<sup>1</sup>, and in particular Article 123(5) thereof,

<sup>1</sup> 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 Community<sup>1</sup>, 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:**

<sup>1</sup> 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 Community<sup>1</sup>, 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 Community<sup>1</sup>, 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.

<sup>1</sup> 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](http://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<sup>o)</sup>

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	
<b>EER-40 group</b>											100.0	100.0	100.0	100.0	100.0
<b>EER-20 group</b>						100.0	100.0	100.0	100.0	100.0	.	.	.	.	.
<b>EER-12 group</b>	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
<b>Additional countries in the EER-20 group</b>						.	.	.	.	.	.	.	.	.	.
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
<b>Additional countries in the EER-40 group</b>											.	.	.	.	.
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

<sup>o)</sup> 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 banknotes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

### **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.