

Exchange rate statistics

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Statistical Supplement 5
to the Monthly Report

Deutsche Bundesbank
Wilhelm-Epstein-Strasse 14
60431 Frankfurt am Main
Germany

Postal address
Postfach 10 06 02
60006 Frankfurt am Main
Germany

Tel +49 69 9566-0
or +49 69 9566 8604

Fax +49 69 9566 8606 or 3077

<http://www.bundesbank.de>

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

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

Selected updated statistics are also available on the website.

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Abbreviations and symbols

CU	Currency unit(s)
EC	European Community
ECB	European Central Bank
ECU	European Currency Unit
EER	Effective exchange rate
EMU	European Monetary Union
ERM	Exchange Rate Mechanism
EU	European Union
IMF	International Monetary Fund
ISO	International Organization for Standardization
SDR	Special drawing right
SITC	Standard International Trade Classification
SWIFT	Society for Worldwide Interbank Financial Telecommunication
B	Buying rate
M	Middle rate
S	Selling rate
V	Calculated value
e	Estimated
p	Provisional
r	Revised
.	Data unknown, not to be published or not meaningful
–	Nil

Discrepancies in the totals are due to rounding.

I Euro area and exchange rate stability convergence criterion

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

From	Country	Currency	ISO currency code	EUR 1 = CU ...
1999 January 1	Austria	Austrian schilling	ATS	13.7603
	Belgium	Belgian franc	BEF	40.3399
	Finland	Finnish markka	FIM	5.94573
	France	French franc	FRF	6.55957
	Germany	Deutsche Mark	DEM	1.95583
	Ireland	Irish pound	IEP	0.787564
	Italy	Italian lira	ITL	1,936.27
	Luxembourg	Luxembourg franc	LUF	40.3399
	Netherlands	Dutch guilder	NLG	2.20371
	Portugal	Portuguese escudo	PTE	200.482
	Spain	Spanish peseta	ESP	166.386
2001 January 1	Greece	Greek drachma	GRD	340.750
2007 January 1	Slovenia	Slovenian tolar	SIT	239.640
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274
	Malta	Maltese lira	MTL	0.429300
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260
2011 January 1	Estonia	Estonian kroon	EEK	15.6466
2014 January 1	Latvia	Latvian lats	LVL	0.702804
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280

* Excerpts from official notifications and announcements on the euro and Exchange Rate Mechanism II, see p 51 ff.

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	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
Danish krone	Central rate	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
DKK	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Greece	Upper rate	406.075	391.863	—	—	—	—	—	—
Greek drachma	Central rate	353.109	340.750	—	—	—	—	—	—
GRD	Lower rate	300.143	289.638	—	—	—	—	—	—
Estonia	Upper rate	—	—	17.9936	17.9936	17.9936	17.9936	17.9936	17.9936
Estonian kroon	Central rate	—	—	15.6466	15.6466	15.6466	15.6466	15.6466	15.6466
EEK	Lower rate	—	—	13.2996	13.2996	13.2996	13.2996	13.2996	13.2996
Lithuania	Upper rate	—	—	3.97072	3.97072	3.97072	3.97072	3.97072	3.97072
Lithuanian litas	Central rate	—	—	3.45280	3.45280	3.45280	3.45280	3.45280	3.45280
LTL	Lower rate	—	—	2.93488	2.93488	2.93488	2.93488	2.93488	2.93488
Slovenia	Upper rate	—	—	275.586	275.586	275.586	—	—	—
Slovenian tolar	Central rate	—	—	239.640	239.640	4 239.640	—	—	—
SIT	Lower rate	—	—	203.694	203.694	203.694	—	—	—
Cyprus	Upper rate	—	—	—	0.673065	0.673065	0.673065	—	—
Cyprus pound	Central rate	—	—	—	0.585274	0.585274	5 0.585274	—	—
CYP	Lower rate	—	—	—	0.497483	0.497483	0.497483	—	—
Latvia	Upper rate	—	—	—	0.808225	0.808225	0.808225	0.808225	0.808225
Latvian lats	Central rate	—	—	—	0.702804	0.702804	0.702804	0.702804	0.702804
LVL	Lower rate	—	—	—	0.597383	0.597383	0.597383	0.597383	0.597383
Malta	Upper rate	—	—	—	0.493695	0.493695	0.493695	—	—
Maltese lira	Central rate	—	—	—	0.429300	0.429300	5 0.429300	—	—
MTL	Lower rate	—	—	—	0.364905	0.364905	0.364905	—	—
Slovakia	Upper rate	—	—	—	—	44.2233	40.7588	34.6449	—
Slovak koruna	Central rate	—	—	—	—	38.4550	35.4424	30.1260	7 30.1260
SKK	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 (the standard fluctuation band is $\pm 15\%$) 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. 1 Until 31 December 2000; accession to EMU on 1 January 2001. 2 Until 31 December 2010; accession to

EMU on 1 January 2011. 3 Until 31 December 2014; accession to EMU on 1 January 2015. 4 Until 31 December 2006; accession to EMU on 1 January 2007. 5 Until 31 December 2007; accession to EMU on 1 January 2008. 6 Until 31 December 2013; accession to EMU on 1 January 2014. 7 Until 31 December 2008; accession to EMU on 1 January 2009.

II Euro foreign exchange reference rates of the European Central Bank *

1 Daily rates

EUR 1 = CU ...

EU member countries							
Period	Bulgaria	Croatia	Czech Republic	Denmark	Hungary	Poland	Romania
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish złoty PLN	Romanian leu RON
2015 Oct	1	1.9558	7.6400	27.173	7.4605	312.80	4.2459
	2	1.9558	7.6390	27.163	7.4598	312.97	4.2452
	5	1.9558	7.6263	27.122	7.4605	311.90	4.2449
	6	1.9558	7.6135	27.109	7.4612	313.58	4.2487
	7	1.9558	7.6095	27.099	7.4615	312.17	4.2300
	8	1.9558	7.6135	27.117	7.4611	312.17	4.2321
	9	1.9558	7.6290	27.109	7.4599	311.59	4.2170
	12	1.9558	7.6265	27.108	7.4604	310.86	4.2246
	13	1.9558	7.6165	27.131	7.4608	311.53	4.2391
	14	1.9558	7.6280	27.113	7.4612	311.04	4.2378
	15	1.9558	7.6200	27.084	7.4612	309.39	4.2291
	16	1.9558	7.6285	27.081	7.4597	309.68	4.2383
	19	1.9558	7.6265	27.083	7.4592	309.51	4.2367
	20	1.9558	7.6267	27.080	7.4597	310.33	4.2466
	21	1.9558	7.6165	27.079	7.4596	311.25	4.2757
	22	1.9558	7.6210	27.069	7.4596	311.12	4.2849
	23	1.9558	7.6243	27.074	7.4597	309.95	4.2529
	26	1.9558	7.6265	27.088	7.4603	310.17	4.2678
	27	1.9558	7.6225	27.098	7.4600	312.85	4.2919
	28	1.9558	7.6125	27.134	7.4599	311.78	4.2936
	29	1.9558	7.6050	27.113	7.4576	311.45	4.2699
	30	1.9558	7.5860	27.090	7.4578	309.90	4.2644
Nov	2	1.9558	7.5855	27.097	7.4585	312.19	4.2532
	3	1.9558	7.5860	27.100	7.4587	313.48	4.2540
	4	1.9558	7.5785	27.074	7.4594	314.91	4.2377
	5	1.9558	7.5545	27.044	7.4592	313.97	4.2392
	6	1.9558	7.5575	27.026	7.4600	314.02	4.2544
	9	1.9558	7.5658	27.042	7.4600	314.44	4.2630
	10	1.9558	7.6000	27.044	7.4601	312.69	4.2432
	11	1.9558	7.6205	27.022	7.4604	311.70	4.2215
	12	1.9558	7.6170	27.031	7.4602	312.25	4.2270
	13	1.9558	7.6155	27.032	7.4606	312.23	4.2429
	16	1.9558	7.6075	27.031	7.4610	311.90	4.2408
	17	1.9558	7.6065	27.031	7.4613	311.64	4.2475
	18	1.9558	7.6215	27.029	7.4608	310.94	4.2540
	19	1.9558	7.6310	27.025	7.4603	310.26	4.2500
	20	1.9558	7.6278	27.031	7.4602	309.96	4.2411
	23	1.9558	7.6280	27.025	7.4606	311.13	4.2403
	24	1.9558	7.6335	27.033	7.4605	311.89	4.2607
	25	1.9558	7.6335	27.025	7.4606	312.11	4.2603
	26	1.9558	7.6295	27.032	7.4602	312.27	4.2724
	27	1.9558	7.6230	27.024	7.4605	312.08	4.2631
	30	1.9558	7.6330	27.030	7.4604	311.58	4.4503
Dec	1	1.9558	7.6365	27.023	7.4602	310.50	4.2679
	2	1.9558	7.6410	27.024	7.4592	311.23	4.2728
	3	1.9558	7.6358	27.036	7.4584	310.93	4.2859
	4	1.9558	7.6360	27.035	7.4603	313.10	4.3131
	7	1.9558	7.6380	27.022	7.4607	311.85	4.3133
	8	1.9558	7.6368	27.022	7.4607	314.53	4.3357
	9	1.9558	7.6300	27.021	7.4609	314.70	4.3404
	10	1.9558	7.6290	27.021	7.4609	316.61	4.3389
	11	1.9558	7.6390	27.023	7.4609	316.66	4.3456
	14	1.9558	7.6330	27.024	7.4610	317.12	4.3658
	15	1.9558	7.6390	27.022	7.4614	316.50	4.3537
	16	1.9558	7.6425	27.030	7.4617	316.41	4.3186
	17	1.9558	7.6530	27.031	7.4612	315.96	4.2959
	18	1.9558	7.6495	27.030	7.4613	314.25	4.2806
	21	1.9558	7.6505	27.028	7.4610	314.15	4.2402
	22	1.9558	7.6560	27.028	7.4615	313.97	4.2377
	23	1.9558	7.6415	27.033	7.4617	314.85	4.2469
	24	1.9558	7.6425	27.028	7.4628	315.91	4.2412
	28	1.9558	7.6295	27.022	7.4631	314.13	4.2455
	29	1.9558	7.6383	27.028	7.4629	314.26	4.2364
	30	1.9558	7.6370	27.029	7.4625	313.15	4.2400
	31	1.9558	7.6380	27.023	7.4626	315.98	4.2639
2016 Jan	4	1.9558	7.6415	27.023	7.4620	315.39	4.2955
	5	1.9558	7.6388	27.022	7.4605	315.20	4.3084
	6	1.9558	7.6405	27.026	7.4603	314.81	4.3374
	7	1.9558	7.6400	27.030	7.4596	315.79	4.3512
	8	1.9558	7.6427	27.022	7.4598	315.53	4.3523
	11	1.9558	7.6455	27.021	7.4603	317.32	4.3646
	12	1.9558	7.6672	27.021	7.4612	317.75	4.3568
	13	1.9558	7.6670	27.021	7.4614	315.43	4.3458

* See Explanatory notes, p 59.

II Euro foreign exchange reference rates of the European Central Bank *

		Other European and non-European countries							Period
Sweden	United Kingdom	Australia	Brazil	Canada	China	Hong Kong	India		
Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR		
9.3754	0.73670	1.5777	4.4023	1.4799	7.0901	8.6436	73.0661	2015 Oct 1	
9.3412	0.73580	1.5870	4.4680	1.4775	7.0945	8.6491	73.1120	2	
9.3513	0.74020	1.5853	4.4059	1.4735	7.1417	8.7080	73.3711	5	
9.3121	0.73990	1.5781	4.4209	1.4701	7.1358	8.6987	73.3854	6	
9.2924	0.73580	1.5586	4.3238	1.4649	7.1621	8.7312	73.1140	7	
9.2790	0.73660	1.5664	4.3574	1.4683	7.1507	8.7220	73.2592	8	
9.2683	0.74070	1.5502	4.2601	1.4698	7.2094	8.8057	73.6258	9	
9.3017	0.74010	1.5429	4.2818	1.4702	7.1917	8.8141	73.6430	12	
9.2560	0.74800	1.5585	4.3271	1.4840	7.2123	8.8149	74.1414	13	
9.2716	0.74180	1.5722	4.4198	1.4816	7.2435	8.8429	74.1465	14	
9.3274	0.73970	1.5612	4.3425	1.4756	7.2583	8.8652	74.1533	15	
9.3557	0.73560	1.5654	4.3792	1.4685	7.2159	8.8041	73.6891	16	
9.3940	0.73170	1.5581	4.4185	1.4671	7.2082	8.7832	73.4435	19	
9.4235	0.73520	1.5612	4.3898	1.4788	7.2201	8.8141	73.9899	20	
9.4219	0.73490	1.5707	4.4577	1.4764	7.2088	8.7995	73.9444	21	
9.4207	0.73140	1.5692	4.4791	1.4847	7.1929	8.7677	73.6774	22	
9.4079	0.71955	1.5250	4.3168	1.4483	7.0390	8.5901	71.8562	23	
9.3814	0.71840	1.5182	4.2481	1.4482	6.9943	8.5335	71.4685	26	
9.4065	0.72140	1.5299	4.3377	1.4622	7.0265	8.5724	71.8563	27	
9.3358	0.72480	1.5539	4.3062	1.4643	7.0484	8.5909	72.0535	28	
9.3574	0.71670	1.5446	4.3022	1.4411	6.9460	8.4709	71.4429	29	
9.3866	0.71820	1.5544	4.2724	1.4515	6.9703	8.5382	72.0155	30	
9.3843	0.71320	1.5457	4.2724	1.4450	6.9914	8.5500	72.3534	Nov 2	
9.3935	0.71315	1.5301	4.1813	1.4406	6.9545	8.5065	72.1429	3	
9.3663	0.70940	1.5210	4.1035	1.4292	6.9291	8.4748	71.6093	4	
9.3916	0.71260	1.5233	4.1364	1.4320	6.9065	8.4351	71.7100	5	
9.3839	0.71765	1.5204	4.1206	1.4342	6.9035	8.4212	71.5938	6	
9.3378	0.71410	1.5263	4.0896	1.4285	6.8569	8.3540	71.5769	9	
9.3102	0.70840	1.5189	4.0627	1.4204	6.8121	8.3026	70.9818	10	
9.3290	0.70600	1.5183	4.0013	1.4213	6.8235	8.3060	70.9780	11	
9.3009	0.70640	1.5073	4.0793	1.4293	6.8330	8.3132	71.1282	12	
9.3388	0.70705	1.5077	4.0847	1.4322	6.8607	8.3429	71.2000	13	
9.3206	0.70580	1.5110	4.1144	1.4293	6.8330	8.3109	70.7613	16	
9.3243	0.70170	1.4960	4.0684	1.4200	6.8045	8.2700	70.4322	17	
9.3019	0.70090	1.5028	4.0563	1.4223	6.8054	8.2669	70.6304	18	
9.3089	0.69980	1.4925	4.0154	1.4203	6.8244	8.2829	70.7800	19	
9.2796	0.70100	1.4825	3.9660	1.4229	6.8239	8.2833	70.7492	20	
9.2496	0.70250	1.4793	3.9654	1.4222	6.7926	8.2391	70.5699	23	
9.2622	0.70620	1.4763	3.9550	1.4229	6.8048	8.2547	70.6582	24	
9.2717	0.70175	1.4601	3.9890	1.4108	6.7611	8.2047	70.1855	25	
9.2756	0.70280	1.4685	3.9935	1.4119	6.7805	8.2247	70.6402	26	
9.2420	0.70290	1.4689	3.9359	1.4121	6.7650	8.2001	70.6449	27	
9.2070	0.70480	1.4671	4.0709	1.4143	6.7689	8.1989	70.5275	30	
9.2118	0.70360	1.4540	4.1255	1.4118	6.7808	8.2180	70.5123	Dec 1	
9.2132	0.70590	1.4489	4.0884	1.4204	6.7903	8.2247	70.6171	2	
9.2250	0.71220	1.4550	4.0476	1.4213	6.8273	8.2701	71.1343	3	
9.2724	0.72010	1.4899	4.1180	1.4540	6.9802	8.4492	72.8020	4	
9.2188	0.71770	1.4849	4.0425	1.4550	6.9266	8.3771	72.1325	7	
9.2236	0.72710	1.5099	4.1297	1.4793	6.9795	8.4286	72.6871	8	
9.2587	0.72510	1.5182	4.1247	1.4847	7.0325	8.4796	73.1296	9	
9.2761	0.72350	1.5000	4.1177	1.4817	7.0416	8.4813	73.0416	10	
9.3007	0.72240	1.5180	4.2190	1.4962	7.0716	8.4868	73.3719	11	
9.3630	0.72600	1.5231	4.2883	1.5106	7.0929	8.5125	73.7454	14	
9.2883	0.72520	1.5200	4.2609	1.5069	7.1017	8.5173	73.5161	15	
9.2991	0.72830	1.5186	4.3042	1.5050	7.0726	8.4732	72.9350	16	
9.3022	0.72660	1.5097	4.2031	1.4995	7.0330	8.4050	71.8400	17	
9.2660	0.72666	1.5206	4.2265	1.5123	7.0274	8.4005	71.9550	18	
9.2930	0.72985	1.5168	4.3219	1.5169	7.0457	8.4247	72.0850	21	
9.2620	0.73620	1.5109	4.3619	1.5242	7.0933	8.4913	72.5474	22	
9.2090	0.73300	1.5115	4.3311	1.5176	7.0709	8.4607	72.2748	23	
9.1900	0.73420	1.5074	4.3142	1.5183	7.0880	8.4849	72.4801	24	
9.1863	0.73535	1.5089	4.3034	1.5207	7.1114	8.4957	72.4616	28	
9.1567	0.74005	1.5056	4.2187	1.5241	7.1065	8.4882	72.6458	29	
9.1878	0.73799	1.4990	4.2590	1.5171	7.0910	8.4685	72.5350	30	
9.1895	0.73395	1.4897	4.3117	1.5116	7.0608	8.4376	72.0215	31	
9.1696	0.73810	1.5153	4.4023	1.5172	7.1208	8.4464	72.6170	2016 Jan 4	
9.2235	0.73235	1.4982	4.3023	1.4976	7.0074	8.3297	71.5539	5	
9.2330	0.73440	1.5187	4.3331	1.5137	7.0388	8.3271	71.8242	6	
9.2780	0.74545	1.5550	4.4001	1.5360	7.1672	8.4259	72.7012	7	
9.2640	0.74519	1.5495	4.3685	1.5321	7.1577	8.4312	72.4206	8	
9.2720	0.74705	1.5516	4.3786	1.5336	7.1554	8.4471	72.7413	11	
9.2483	0.75080	1.5460	4.3704	1.5370	7.1276	8.4094	72.4603	12	
9.2460	0.75020	1.5413	4.3214	1.5381	7.1121	8.3922	72.3212	13	

II Euro foreign exchange reference rates of the European Central Bank *

1 Daily rates (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)									
Period	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
	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	
2015 Oct	1	16,360.31	4.3856	133.56	1,314.36	4.9148	18.8045	1.7332	9.4565
	2	16,350.64	4.3806	134.24	1,318.86	4.9271	18.8107	1.7409	9.4125
	5	16,204.96	4.3394	135.07	1,304.86	4.9090	18.7147	1.7272	9.3870
	6	15,970.48	4.3423	135.07	1,311.31	4.8962	18.8647	1.7293	9.3765
	7	15,492.07	4.3375	135.30	1,299.71	4.7400	18.6678	1.6966	9.2580
	8	15,619.12	4.3431	134.92	1,305.49	4.7500	18.6929	1.7050	9.2185
	9	15,346.50	4.3450	136.65	1,298.05	4.6919	18.6271	1.6964	9.1895
	12	15,285.16	4.3623	136.61	1,298.28	4.7170	18.6802	1.6905	9.1580
	13	15,511.63	4.3961	136.16	1,308.93	4.7735	18.8763	1.6974	9.2690
	14	15,534.04	4.3949	136.48	1,308.96	4.8055	18.8927	1.6938	9.2400
	15	15,389.36	4.3703	135.23	1,282.89	4.7166	18.7577	1.6683	9.2170
	16	15,359.84	4.3526	135.25	1,284.80	4.7462	18.7145	1.6737	9.2005
	19	15,439.68	4.3611	135.29	1,280.57	4.7695	18.6360	1.6668	9.1850
	20	15,565.42	4.3955	136.16	1,283.93	4.8534	18.7711	1.6664	9.2355
	21	15,610.11	4.3824	136.30	1,292.65	4.8669	18.9044	1.6869	9.2625
	22	15,402.12	4.3611	135.49	1,284.93	4.8463	18.7683	1.6704	9.2740
	23	15,057.70	4.3146	133.80	1,249.33	4.6862	18.2027	1.6306	9.2525
	26	14,989.96	4.2776	133.26	1,247.38	4.6521	18.1891	1.6244	9.2260
	27	15,099.05	4.2755	133.06	1,257.44	4.7280	18.3502	1.6261	9.3630
	28	15,003.98	4.2916	133.38	1,254.80	4.7338	18.3058	1.6505	9.4200
	29	14,953.22	4.2436	132.30	1,251.76	4.7414	18.1941	1.6360	9.3670
	30	15,070.66	4.2589	132.88	1,253.98	4.7350	18.2497	1.6369	9.3930
Nov	2	15,062.24	4.2679	133.02	1,254.62	4.7441	18.2111	1.6356	9.3370
	3	14,936.68	4.2544	132.65	1,245.49	4.7104	18.0939	1.6364	9.3410
	4	14,744.32	4.2390	132.45	1,236.88	4.6638	17.9197	1.6485	9.3275
	5	14,751.76	4.2333	132.65	1,240.66	4.6781	17.9972	1.6450	9.3065
	6	14,719.76	4.2298	132.41	1,243.27	4.6797	18.0924	1.6412	9.2715
	9	14,710.03	4.2222	133.08	1,251.28	4.7344	18.1743	1.6465	9.2875
	10	14,601.38	4.1989	131.98	1,242.06	4.6946	17.9789	1.6360	9.2760
	11	14,551.32	4.1841	131.90	1,238.51	4.6634	17.9011	1.6344	9.2230
	12	14,615.93	4.1748	131.92	1,245.87	4.6819	18.0004	1.6447	9.3240
	13	14,764.07	4.1836	132.04	1,257.07	4.7125	18.0620	1.6483	9.3320
	16	14,776.33	4.1736	132.01	1,257.58	4.7036	17.9456	1.6554	9.3050
	17	14,646.25	4.1655	131.49	1,247.07	4.6861	17.8880	1.6447	9.2370
	18	14,746.47	4.1638	131.65	1,247.90	4.6594	17.8707	1.6505	9.2335
	19	14,714.18	4.1597	131.60	1,241.54	4.6314	17.8206	1.6404	9.2556
	20	14,529.52	4.1473	131.28	1,234.46	4.5803	17.7282	1.6296	9.2035
	23	14,542.92	4.1278	130.92	1,232.02	4.5667	17.6320	1.6322	9.1755
	24	14,618.17	4.1300	130.52	1,229.46	4.5192	17.6141	1.6368	9.2090
	25	14,490.93	4.1098	129.94	1,211.88	4.4619	17.5204	1.6160	9.1810
	26	14,609.48	4.1199	130.06	1,219.31	4.4952	17.5522	1.6144	9.1930
	27	14,628.60	4.1130	129.75	1,221.76	4.5150	17.5099	1.6189	9.1885
	30	14,645.43	4.0972	130.22	1,224.21	4.5067	17.5569	1.6120	9.1935
Dec	1	14,641.99	4.1114	130.57	1,229.00	4.4880	17.5080	1.5935	9.2015
	2	14,646.10	4.1137	130.70	1,234.96	4.4905	17.5353	1.5945	9.1405
	3	14,733.44	4.1291	131.58	1,240.24	4.5088	17.6658	1.6038	9.1740
	4	15,094.88	4.1816	134.08	1,268.29	4.6052	18.2499	1.6319	9.2495
	7	14,965.26	4.1678	133.40	1,264.00	4.5744	18.1229	1.6238	9.3265
	8	15,299.16	4.2278	133.64	1,287.02	4.6675	18.5495	1.6430	9.5675
	9	15,361.85	4.2494	134.04	1,293.16	4.6806	18.5713	1.6517	9.5370
	10	15,262.10	4.2310	132.97	1,287.37	4.6599	18.6731	1.6191	9.4370
	11	15,441.30	4.2287	133.02	1,300.93	4.7424	18.9987	1.6258	9.5385
	14	15,526.48	4.2379	132.54	1,304.72	4.8000	19.1214	1.6270	9.5695
	15	15,423.14	4.2410	132.97	1,292.34	4.7295	18.9649	1.6186	9.4945
	16	15,293.02	4.2410	133.18	1,285.09	4.7045	18.7228	1.6196	9.5555
	17	15,204.89	4.2200	132.82	1,285.85	4.6780	18.3649	1.6078	9.5110
	18	15,096.10	4.2210	131.60	1,280.16	4.6440	18.4429	1.6160	9.5000
	21	15,015.75	4.2416	131.93	1,280.05	4.6679	18.6067	1.6114	9.5585
	22	14,963.04	4.2700	132.42	1,283.30	4.7093	18.7405	1.6036	9.5430
	23	14,913.86	4.2485	131.92	1,281.86	4.7061	18.7712	1.6117	9.5270
	24	14,922.54	4.2574	131.83	1,279.40	4.6943	18.9109	1.6052	9.5120
	28	14,967.37	4.2570	132.05	1,280.83	4.7119	18.9347	1.6019	9.5380
	29	15,029.86	4.2540	131.88	1,282.17	4.7055	18.8429	1.5949	9.5115
	30	15,081.33	4.2606	131.66	1,284.79	4.6887	18.8867	1.5959	9.6160
	31	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923	9.6030
2016 Jan	4	15,194.63	4.2659	129.78	1,297.87	4.7363	18.9353	1.6146	9.6475
	5	14,879.48	4.2144	127.88	1,277.02	4.6670	18.5798	1.6001	9.5880
	6	14,988.90	4.2389	127.19	1,289.20	4.7388	18.7480	1.6166	9.6225
	7	15,139.18	4.2700	127.74	1,306.87	4.7904	19.2176	1.6464	9.6975
	8	15,111.30	4.2597	128.51	1,304.78	4.7615	19.3231	1.6450	9.6810
	11	15,076.42	4.2827	128.33	1,309.12	4.7655	19.4182	1.6577	9.6770
	12	14,965.60	4.2711	127.79	1,308.87	4.7830	19.2772	1.6547	9.6388
	13	14,947.98	4.2635	127.74	1,301.18	4.7382	19.2779	1.6519	9.5588

* See Explanatory notes, p 59.

II Euro foreign exchange reference rates of the European Central Bank *

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	Period
Philippine peso PHP	Russian ruble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	
52.147	73.0745	1.5916	15.4495	1.0903	40.630	3.3796	1.1153	2015 Oct 1
52.153	74.0858	1.5996	15.5101	1.0923	40.846	3.3774	1.1160	2
52.193	73.1550	1.5984	15.2697	1.0938	40.854	3.3649	1.1236	5
52.091	72.6872	1.5986	15.3607	1.0936	40.768	3.3576	1.1224	6
51.829	69.9561	1.5870	15.0690	1.0882	40.401	3.2997	1.1266	7
51.923	70.3304	1.5890	15.1556	1.0935	40.500	3.3012	1.1254	8
51.945	69.3640	1.5855	15.0674	1.0919	40.392	3.2973	1.1362	9
52.007	69.4822	1.5897	15.0949	1.0928	40.204	3.3177	1.1373	12
52.384	71.4085	1.5929	15.3060	1.0910	40.532	3.3600	1.1374	13
52.447	71.9750	1.5815	15.3094	1.0901	40.533	3.3500	1.1410	14
52.341	71.0735	1.5752	14.9957	1.0873	40.217	3.2975	1.1439	15
52.250	70.2640	1.5714	14.9339	1.0809	40.108	3.2972	1.1360	16
52.243	70.3984	1.5685	14.9509	1.0834	40.073	3.2849	1.1333	19
52.741	70.6090	1.5791	15.0119	1.0823	40.268	3.2882	1.1373	20
52.730	71.3405	1.5815	15.2444	1.0864	40.375	3.2989	1.1354	21
52.643	70.7525	1.5744	15.3007	1.0886	40.267	3.2683	1.1313	22
51.565	68.5882	1.5408	14.9007	1.0793	39.254	3.1868	1.1084	23
51.308	68.8030	1.5347	14.9430	1.0823	39.034	3.1774	1.1011	26
51.789	71.6121	1.5422	15.2010	1.0880	39.270	3.2185	1.1061	27
51.898	71.2750	1.5448	15.0531	1.0899	39.318	3.2047	1.1085	28
51.420	70.0745	1.5374	15.1247	1.0851	38.991	3.2100	1.0930	29
51.492	70.5690	1.5445	15.2222	1.0900	39.194	3.2128	1.1017	30
51.713	70.7262	1.5466	15.1851	1.0885	39.276	3.0950	1.1032	Nov 2
51.495	69.5445	1.5363	15.2542	1.0869	39.048	3.1222	1.0976	3
51.170	68.3984	1.5286	15.1080	1.0813	38.776	3.1052	1.0935	4
51.047	68.8654	1.5310	15.1123	1.0833	38.702	3.1215	1.0883	5
50.981	69.2906	1.5314	15.1534	1.0830	38.660	3.1294	1.0864	6
50.819	69.4677	1.5350	15.3590	1.0815	38.724	3.1450	1.0776	9
50.600	69.0542	1.5234	15.3716	1.0765	38.485	3.1220	1.0711	10
50.475	69.0860	1.5236	15.2006	1.0783	38.446	3.0929	1.0716	11
50.475	70.9230	1.5246	15.2929	1.0769	38.528	3.0938	1.0726	12
50.722	71.7143	1.5305	15.4459	1.0786	38.643	3.0960	1.0764	13
50.644	70.7850	1.5253	15.4300	1.0791	38.565	3.0922	1.0723	16
50.339	69.8710	1.5175	15.1915	1.0806	38.365	3.0593	1.0670	17
50.341	69.3696	1.5185	15.1537	1.0838	38.392	3.0550	1.0666	18
50.259	69.4086	1.5129	15.1806	1.0893	38.324	3.0433	1.0687	19
50.231	69.3309	1.5093	14.8862	1.0844	38.199	3.0165	1.0688	20
50.129	69.6382	1.5080	14.9056	1.0848	38.133	3.0267	1.0631	23
50.145	70.4467	1.5074	14.9808	1.0832	38.141	3.0675	1.0651	24
49.834	69.7339	1.4888	14.9158	1.0820	37.809	3.0472	1.0586	25
50.013	69.9537	1.4944	15.0956	1.0868	37.949	3.0870	1.0612	26
49.921	69.9945	1.4927	15.1490	1.0900	37.972	3.0865	1.0580	27
49.921	69.9854	1.4940	15.2894	1.0903	37.926	3.0789	1.0579	30
50.009	70.7140	1.4947	15.3361	1.0908	37.953	3.0625	1.0600	Dec 1
50.034	71.0589	1.4960	15.2134	1.0880	38.004	3.0605	1.0612	2
50.269	72.2652	1.5010	15.2736	1.0840	38.263	3.0768	1.0671	3
51.327	73.6109	1.5216	15.7275	1.0882	39.081	3.1747	1.0902	4
50.880	74.6306	1.5191	15.6593	1.0830	38.761	3.1349	1.0809	7
51.339	75.9200	1.5363	15.9518	1.0820	39.116	3.1788	1.0875	8
51.641	75.9443	1.5383	15.9487	1.0830	39.333	3.1939	1.0941	9
51.688	75.3885	1.5338	16.7143	1.0806	39.422	3.1940	1.0943	10
51.960	76.3280	1.5436	17.3954	1.0819	39.519	3.2416	1.0950	11
52.127	77.9268	1.5490	16.8045	1.0771	39.674	3.2837	1.0983	14
52.057	77.4920	1.5457	16.4213	1.0831	39.427	3.2573	1.0990	15
51.754	76.8689	1.5407	16.4708	1.0824	39.431	3.2416	1.0933	16
51.434	76.5023	1.5351	16.2600	1.0807	39.125	3.1674	1.0841	17
51.253	77.1005	1.5300	16.2998	1.0768	39.175	3.1581	1.0836	18
51.388	77.4488	1.5307	16.4115	1.0804	39.262	3.1643	1.0870	21
51.789	77.8588	1.5379	16.5748	1.0818	39.504	3.2280	1.0952	22
51.597	77.1325	1.5366	16.6610	1.0812	39.363	3.2018	1.0916	23
51.504	76.9500	1.5396	16.6252	1.0806	39.442	3.1990	1.0947	24
51.566	78.8666	1.5436	16.7163	1.0838	39.604	3.1923	1.0962	28
51.514	79.4319	1.5467	16.7598	1.0846	39.518	3.1878	1.0952	29
51.281	79.7540	1.5449	16.8847	1.0814	39.334	3.1837	1.0926	30
50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887	31
51.393	79.6738	1.5533	16.9558	1.0891	39.407	3.2193	1.0898	2016 Jan 4
50.371	78.8620	1.5310	16.7643	1.0847	38.816	3.2009	1.0746	5
50.588	79.9893	1.5409	17.0032	1.0846	38.917	3.2315	1.0742	6
51.226	81.7776	1.5612	17.4987	1.0875	39.442	3.2791	1.0868	7
51.204	80.4134	1.5606	17.3870	1.0860	39.387	3.2491	1.0861	8
51.326	81.9975	1.5607	18.0474	1.0863	39.491	3.2872	1.0888	11
51.296	82.6895	1.5570	17.9737	1.0855	39.368	3.2842	1.0836	12
51.283	82.3098	1.5492	17.8353	1.0926	39.203	3.2626	1.0816	13

II Euro foreign exchange reference rates of the European Central Bank *

2 Monthly averages +

EUR 1 = CU ...

EU member countries										Other European
Period	Bulgaria	Croatia	Czech Republic	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish złoty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2011 Jan	1.9558	7.4008	24.449	7.4518	275.33	3.8896	4.2624	8.9122	0.84712	1.3417
Feb	1.9558	7.4149	24.277	7.4555	271.15	3.9264	4.2457	8.7882	0.84635	1.3543
Mar	1.9558	7.3915	24.393	7.4574	270.89	4.0145	4.1621	8.8864	0.86653	1.3854
Apr	1.9558	7.3639	24.301	7.4574	265.29	3.9694	4.1004	8.9702	0.88291	1.3662
May	1.9558	7.4052	24.381	7.4566	266.96	3.9404	4.1142	8.9571	0.87788	1.3437
June	1.9558	7.4065	24.286	7.4579	266.87	3.9702	4.1937	9.1125	0.88745	1.3567
July	1.9558	7.4316	24.335	7.4560	267.68	3.9951	4.2413	9.1340	0.88476	1.3249
Aug	1.9558	7.4620	24.273	7.4498	272.37	4.1195	4.2505	9.1655	0.87668	1.3651
Sep	1.9558	7.4936	24.556	7.4462	285.05	4.3379	4.2838	9.1343	0.87172	1.3458
Oct	1.9558	7.4849	24.841	7.4442	296.79	4.3516	4.3244	9.1138	0.87036	1.3525
Nov	1.9558	7.4923	25.464	7.4412	309.15	4.4324	4.3560	9.1387	0.85740	1.3414
Dec	1.9558	7.5136	25.514	7.4341	304.19	4.4774	4.3282	9.0184	0.84405	1.3003
2012 Jan	1.9558	7.5543	25.531	7.4353	307.33	4.3760	4.3417	8.8503	0.83210	1.2405
Feb	1.9558	7.5815	25.042	7.4341	290.68	4.1835	4.3513	8.8196	0.83696	1.2327
Mar	1.9558	7.5358	24.676	7.4354	292.26	4.1370	4.3668	8.8873	0.83448	1.2538
Apr	1.9558	7.4991	24.809	7.4393	294.81	4.1782	4.3789	8.8650	0.82188	1.2718
May	1.9558	7.5383	25.313	7.4335	293.67	4.2937	4.4412	8.9924	0.80371	1.2825
June	1.9558	7.5434	25.640	7.4325	293.57	4.2973	4.4626	8.8743	0.80579	1.2550
July	1.9558	7.5006	25.447	7.4384	286.28	4.1837	4.5549	8.5451	0.78827	1.1931
Aug	1.9558	7.4853	25.021	7.4454	278.93	4.0934	4.5176	8.2805	0.78884	1.1841
Sep	1.9558	7.4291	24.752	7.4539	284.22	4.1345	4.5022	8.4929	0.79821	1.2372
Oct	1.9558	7.5140	24.939	7.4582	282.09	4.1071	4.5624	8.6145	0.80665	1.2596
Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
Dec	1.9558	7.5334	25.214	7.4604	285.79	4.0956	4.4899	8.6512	0.81237	1.2527
2013 Jan	1.9558	7.5746	25.563	7.4614	294.01	4.1424	4.3835	8.6217	0.83271	1.2658
Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

II Euro foreign exchange reference rates of the European Central Bank *

and non-European countries

Brazil	Canada	China	Hong Kong	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Period
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	
2.2371	1.3277	8.8154	10.3945	60.7161	12,077.47	4.7909	110.38	1,495.50	4.0895	2011 Jan
2.2765	1.3484	8.9842	10.6312	62.0142	12,165.92	4.9939	112.77	1,524.99	4.1541	Feb
2.3220	1.3672	9.1902	10.9093	62.9526	12,263.18	4.9867	114.40	1,568.05	4.2483	Mar
2.2889	1.3834	9.4274	11.2269	64.1128	12,493.48	4.9573	120.42	1,567.52	4.3502	Apr
2.3131	1.3885	9.3198	11.1551	64.4735	12,290.33	4.9740	116.47	1,555.99	4.3272	May
2.2850	1.4063	9.3161	11.2021	64.5200	12,327.02	4.9169	115.75	1,555.32	4.3585	June
2.2329	1.3638	9.2121	11.1104	63.3537	12,171.27	4.8801	113.26	1,510.29	4.2716	July
2.2888	1.4071	9.1857	11.1846	65.0717	12,249.95	5.0841	110.43	1,542.01	4.2822	Aug
2.3946	1.3794	8.7994	10.7333	65.5964	12,118.49	5.0788	105.75	1,544.04	4.2456	Sep
2.4336	1.3981	8.7308	10.6616	67.5519	12,150.54	5.0253	105.06	1,578.17	4.2963	Oct
2.4210	1.3897	8.6154	10.5495	68.8330	12,214.99	5.0521	105.02	1,537.42	4.2756	Nov
2.4175	1.3481	8.3563	10.2496	69.2066	11,965.40	4.9725	102.55	1,513.26	4.1639	Dec
2.3084	1.3073	8.1465	10.0187	66.0601	11,709.25	4.9141	99.33	1,474.96	4.0151	2012 Jan
2.2729	1.3193	8.3314	10.2553	65.0589	11,913.82	4.9474	103.77	1,485.58	3.9978	Feb
2.3674	1.3121	8.3326	10.2474	66.5399	12,082.50	4.9679	108.88	1,487.83	4.0229	Mar
2.4405	1.3068	8.2921	10.2163	68.1939	12,068.69	4.9362	107.00	1,495.40	4.0277	Apr
2.5357	1.2916	8.0806	9.9291	69.6407	11,913.51	4.8974	101.97	1,481.36	3.9688	May
2.5658	1.2874	7.9676	9.7192	70.1673	11,830.22	4.8763	99.26	1,458.61	3.9836	June
2.4914	1.2461	7.8288	9.5308	68.1061	11,605.16	4.9042	97.07	1,404.11	3.8914	July
2.5170	1.2315	7.8864	9.6177	68.8632	11,777.55	4.9779	97.58	1,403.93	3.8643	Aug
2.6066	1.2583	8.1273	9.9686	70.0452	12,287.93	5.0717	100.49	1,444.65	3.9599	Sep
2.6333	1.2801	8.1390	10.0574	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649	Oct
2.6512	1.2787	7.9998	9.9423	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230	Nov
2.7264	1.2984	8.1809	10.1679	71.6946	12,643.37	4.9570	109.71	1,411.41	4.0075	Dec
2.6993	1.3189	8.2698	10.3027	72.0716	12,837.99	4.9706	118.34	1,417.69	4.0413	2013 Jan
2.6354	1.3477	8.3282	10.3608	71.9342	12,933.75	4.9359	124.40	1,452.82	4.1403	Feb
2.5694	1.3285	8.0599	10.0588	70.5579	12,590.61	4.7769	122.99	1,430.31	4.0309	Mar
2.6060	1.3268	8.0564	10.1110	70.7738	12,664.51	4.7164	127.54	1,460.89	3.9686	Apr
2.6414	1.3257	7.9715	10.0766	71.4760	12,673.13	4.7223	131.13	1,444.56	3.9200	May
2.8613	1.3596	8.0905	10.2349	77.0284	13,033.31	4.7865	128.40	1,498.33	4.1488	June
2.9438	1.3619	8.0234	10.1455	78.1762	13,189.17	4.7153	130.39	1,473.35	4.1746	July
3.1170	1.3853	8.1477	10.3223	83.9480	14,168.72	4.7610	130.34	1,485.93	4.3631	Aug
3.0345	1.3817	8.1690	10.3504	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410	Sep
2.9860	1.4128	8.3226	10.5724	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283	Oct
3.0959	1.4145	8.2221	10.4604	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176	Nov
3.2133	1.4580	8.3248	10.6254	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517	Dec
3.2437	1.4884	8.2368	10.5586	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005	2014 Jan
3.2581	1.5094	8.3062	10.6012	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194	Feb
3.2187	1.5352	8.5332	10.7283	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361	Mar
3.0864	1.5181	8.5984	10.7107	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989	Apr
3.0512	1.4951	8.5658	10.6456	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337	May
3.0388	1.4728	8.4698	10.5365	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760	June
3.0109	1.4524	8.3940	10.4935	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100	July
3.0219	1.4548	8.1965	10.3207	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310	Aug
3.0089	1.4196	7.9207	10.0019	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522	Sep
3.1018	1.4214	7.7635	9.8309	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436	Oct
3.1829	1.4136	7.6411	9.6716	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747	Nov
3.2499	1.4216	7.6330	9.5626	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903	Dec
3.0639	1.4039	7.2269	9.0102	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648	2015 Jan
3.1977	1.4199	7.0960	8.8020	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822	Feb
3.3997	1.3661	6.7623	8.4081	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889	Mar
3.2800	1.3313	6.6863	8.3550	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118	Apr
3.4105	1.3568	6.9165	8.6436	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191	May
3.4941	1.3854	6.9587	8.6935	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949	June
3.5405	1.4124	6.8269	8.5236	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824	July
3.9118	1.4637	7.0626	8.6358	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297	Aug
4.3666	1.4882	7.1462	8.6966	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286	Sep
4.3599	1.4685	7.1346	8.7073	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818	Oct
4.0601	1.4248	6.8398	8.3211	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328	Nov
4.2145	1.4904	7.0193	8.4307	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615	Dec

II Euro foreign exchange reference rates of the European Central Bank *

2 Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico MXN	New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines PHP	Russian Federation RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States USD
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
Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
Dec	16.8664	1.5777	7.3503	53.796	40.3114	1.6009	11.3179	1.2091	40.187	2.3439	1.3119
2013 Jan	16.8760	1.5877	7.3821	54.105	40.1847	1.6326	11.6957	1.2288	39.924	2.3543	1.3288
Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
Dec	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1	1.0940	38.056	2.7153
Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Discontinuation of the minimum exchange rate on 15 January 2015.

II Euro foreign exchange reference rates of the European Central Bank *

3 End-of-year rates and annual averages

EUR 1 = CU ...

Period	EU member countries									Other European and non-European countries		
	Bulgaria	Croatia	Cyprus	Czech Republic	Denmark	Estonia	Hungary	Latvia	Lithuania			
	Bulgarian lev BGN	Kuna HRK 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Hungarian forint HUF	Latvian lats LVL 2	Lithuanian litas LTL 2			
End of year												
2002	1.9546	7.4750	0.57316	31.577	7.4288	15.6466	236.29	0.6140	3.4525			
2003	1.9557	7.6451	0.58637	32.410	7.4450	15.6466	262.50	0.6725	3.4524			
2004	1.9559	7.6650	0.58000	30.464	7.4388	15.6466	245.97	0.6979	3.4528			
2005	1.9563	7.3715	0.57350	29.000	7.4605	15.6466	252.87	0.6962	3.4528			
2006	1.9558	7.3504	0.57820	27.485	7.4560	15.6466	251.77	0.6972	3.4528			
2007	1.9558	7.3308	0.585274	26.628	7.4583	15.6466	253.73	0.6964	3.4528			
2008	1.9558	7.3555	—	26.875	7.4506	15.6466	266.70	0.7083	3.4528			
2009	1.9558	7.3000	—	26.473	7.4418	15.6466	270.42	0.7093	3.4528			
2010	1.9558	7.3830	—	25.061	7.4535	15.6466	277.95	0.7094	3.4528			
2011	1.9558	7.5370	—	25.787	7.4342	—	314.58	0.6995	3.4528			
2012	1.9558	7.5575	—	25.151	7.4610	—	292.30	0.6977	3.4528			
2013	1.9558	7.6265	—	27.427	7.4593	—	297.04	0.702804	3.4528			
2014	1.9558	7.6580	—	27.735	7.4453	—	315.54	—	3.4528			
2015	1.9558	7.6380	—	27.023	7.4626	—	315.98	—	—			
Annual averages +												
2002	1.9492	7.4130	0.57530	30.804	7.4305	15.6466	242.96	0.5810	3.4594			
2003	1.9490	7.5688	0.58409	31.846	7.4307	15.6466	253.62	0.6407	3.4527			
2004	1.9533	7.4967	0.58185	31.891	7.4399	15.6466	251.66	0.6652	3.4529			
2005	1.9558	7.4008	0.57683	29.782	7.4518	15.6466	248.05	0.6962	3.4528			
2006	1.9558	7.3247	0.57578	28.342	7.4591	15.6466	264.26	0.6962	3.4528			
2007	1.9558	7.3376	0.58263	27.766	7.4506	15.6466	251.35	0.7001	3.4528			
2008	1.9558	7.2239	—	24.946	7.4560	15.6466	251.51	0.7027	3.4528			
2009	1.9558	7.3400	—	26.435	7.4462	15.6466	280.33	0.7057	3.4528			
2010	1.9558	7.2891	—	25.284	7.4473	15.6466	275.48	0.7087	3.4528			
2011	1.9558	7.4390	—	24.590	7.4506	—	279.37	0.7063	3.4528			
2012	1.9558	7.5217	—	25.149	7.4437	—	289.25	0.6973	3.4528			
2013	1.9558	7.5786	—	25.980	7.4579	—	296.87	0.7015	3.4528			
2014	1.9558	7.6344	—	27.536	7.4548	—	308.71	—	3.4528			
2015	1.9558	7.6137	—	27.279	7.4587	—	310.00	—	—			
EU member countries (cont'd)												
	Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada		
	Maltese lira MTL 2	Polish zloty PLN	Romanian leu (old)(new) ROL/RON 3	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD		
End of year												
2002	0.4182	4.0210	35.135	41.503	230.1577	9.1528	0.65050	1.8556	3.7124	1.6550		
2003	0.4317	4.7019	41.158	41.170	236.7000	9.0800	0.70480	1.6802	3.6698	1.6234		
2004	0.4343	4.0845	39.390	38.745	239.7600	9.0206	0.70505	1.7459	3.6201	1.6416		
2005	0.4293	3.8600	3	3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725	
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281		
2007	0.4293	3.5935	3.6077	33.583	—	9.4415	0.73335	1.6757	2.5914	1.4449		
2008	—	4.1535	4.0225	30.126	—	10.8700	0.95250	2.0274	3.2436	1.6998		
2009	—	4.1045	4.2363	—	—	10.2520	0.88810	1.6008	2.5113	1.5128		
2010	—	3.9750	4.2620	—	—	8.9655	0.86075	1.3136	2.2177	1.3322		
2011	—	4.4580	4.3233	—	—	8.9120	0.83530	1.2723	2.4159	1.3215		
2012	—	4.0740	4.4445	—	—	8.5820	0.81610	1.2712	2.7036	1.3137		
2013	—	4.1543	4.4710	—	—	8.8591	0.83370	1.5423	3.2576	1.4671		
2014	—	4.2732	4.4828	—	—	9.3930	0.77890	1.4829	3.2207	1.4063		
2015	—	4.2639	4.5240	—	—	9.1895	0.73395	1.4897	4.3117	1.5116		
Annual averages +												
2002	0.4089	3.8574	31.270	42.694	225.9772	9.1611	0.62883	1.7376	2.7896	1.4838		
2003	0.4261	4.3996	37.551	41.489	233.8493	9.1242	0.69199	1.7379	3.4701	1.5817		
2004	0.4280	4.5268	40.510	40.022	239.0874	9.1243	0.67866	1.6905	3.6362	1.6167		
2005	0.4299	4.0230	3	3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087	
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237		
2007	0.4293	3.7837	3.3353	33.775	—	9.2501	0.68434	1.6348	2.6633	1.4678		
2008	—	3.5121	3.6826	31.262	—	9.6152	0.79628	1.7416	2.6737	1.5594		
2009	—	4.3276	4.2399	—	—	10.6191	0.89094	1.7727	2.7674	1.5850		
2010	—	3.9947	4.2122	—	—	9.5373	0.85784	1.4423	2.3314	1.3651		
2011	—	4.1206	4.2391	—	—	9.0298	0.86788	1.3484	2.3265	1.3761		
2012	—	4.1847	4.4593	—	—	8.7041	0.81087	1.2407	2.5084	1.2842		
2013	—	4.1975	4.4190	—	—	8.6515	0.84926	1.3777	2.8687	1.3684		
2014	—	4.1843	4.4437	—	—	9.0985	0.80612	1.4719	3.1211	1.4661		
2015	—	4.1841	4.4454	—	—	9.3535	0.72584	1.4777	3.7004	1.4186		

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to March 2005, ECB indicative rates. 2 Accession to the euro area, see p 7 (Table I 1). 3 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. 4 Up to December 2007, ECB indicative rates.

II Euro foreign exchange reference rates of the European Central Bank *

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

EUR 1 = CU ...

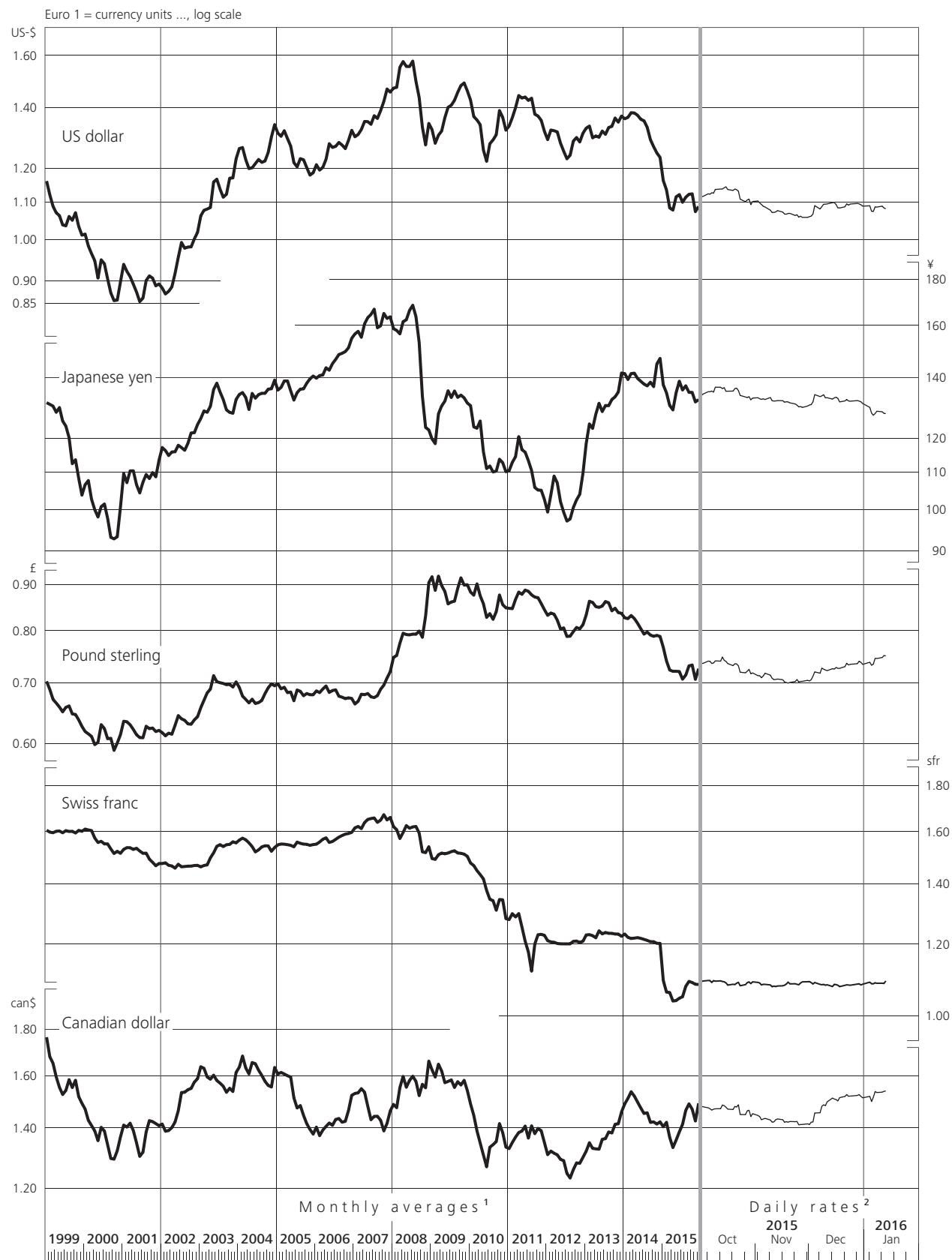
Period	Other European and non-European countries (cont'd)									
	China Chinese yuan renminbi CNY 1	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK 2	India Indian rupee INR 3	Indonesia Indonesian rupiah IDR 1	Israel New Israeli shekel ILS 4	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR 1	Mexico Mexican peso MXN 5
End of year										
2002	8.6801	8.1781	84.74	50.2930	9,387.21	4.9708	124.39	1,243.76	3.9857	10.9605
2003	10.4539	9.8049	89.46	57.5780	10,643.10	5.5424	135.05	1,506.32	4.8019	14.1807
2004	11.2741	10.5881	83.60	59.2590	12,653.91	5.8922	139.65	1,410.05	5.1802	15.2235
2005	9.5204	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	2	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	—	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	—	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	—	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	—	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	—	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	—	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	—	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
Annual averages +										
2002	7.8265	7.3750	86.18	45.9248	8,785.12	4.4800	118.06	1,175.50	3.5933	9.1628
2003	9.3626	8.8079	86.65	52.6100	9,685.54	5.1340	130.97	1,346.90	4.2983	12.2144
2004	10.2967	9.6881	87.14	56.3008	11,127.34	5.5706	134.44	1,422.62	4.7273	14.0386
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	2	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	—	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	—	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	—	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	—	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	—	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	—	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	—	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
Other European and non-European countries (cont'd)										
New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	
New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP 1	Russian rouble RUB 1	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB 1	Turkish lira / New Turkish lira TRL / TRY 6	US dollar USD	
End of year										
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	6 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
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
Annual averages +										
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	6 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
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to March 2005, ECB indicative rates. 2 The ECB has not fixed a euro foreign exchange reference rate for the Icelandic krona since 4 December 2008. 3 Up to December 2005, ECB indicative rates. 4 Up to December 2010, ECB indicative rates. 5 Up to December 2007, ECB indicative rates. 6 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.

2008, ECB indicative rates. 4 Up to December 2010, ECB indicative rates. 5 Up to December 2007, ECB indicative rates. 6 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 foreign exchange reference rates of the European Central Bank

4 Exchange rates of major currencies



1 Last monthly average: December 2015. **2** Last updated: 13 January 2016.

III Effective exchange rates of the euro *

1 Annual and monthly averages

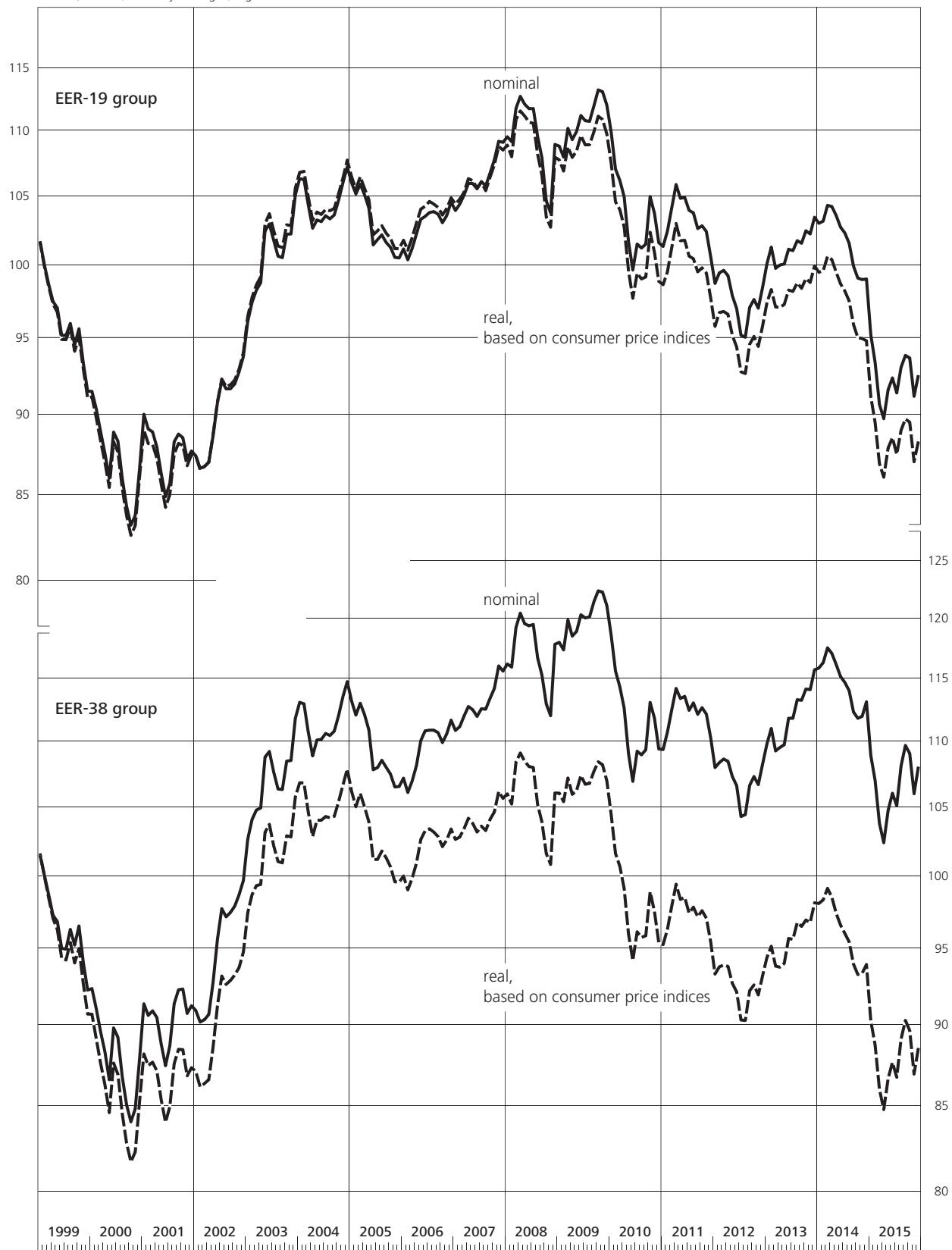
1999 Q1 = 100

Period	Effective exchange rate of the euro 1				Memo item Indicators of the German economy's price competitiveness based on consumer price indices					
	EER-19		EER-38		26 selected industrial countries			37 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	96.3	96.0	96.5	95.8	98.2	100.1	95.9	98.0	97.7	
2000	87.1	86.5	87.9	85.7	92.9	99.0	85.8	91.9	90.9	
2001	87.8	87.1	90.5	86.9	93.0	98.1	86.9	91.4	90.8	
2002	90.1	90.2	95.0	90.5	93.6	96.9	89.6	92.0	91.8	
2003	100.7	101.3	106.9	101.4	97.1	95.8	99.2	96.6	96.8	
2004	104.5	105.0	111.5	105.1	98.5	95.5	103.0	98.0	98.4	
2005	102.9	103.5	109.5	102.6	98.5	95.3	103.4	96.9	96.7	
2006	102.8	103.5	109.4	101.9	98.7	95.0	104.4	96.5	96.0	
2007	106.3	106.3	112.9	103.9	100.9	95.2	110.0	97.9	97.2	
2008	109.4	108.4	117.1	105.9	102.3	94.6	115.1	97.9	97.3	
2009	110.8	109.1	120.0	106.9	101.9	94.5	114.0	98.0	97.6	
2010	103.6	101.3	111.5	97.9	98.8	94.1	106.1	93.7	92.1	
2011	103.3	100.3	112.2	97.3	98.2	93.8	105.1	92.8	91.4	
2012	97.6	95.0	107.0	92.5	96.0	93.3	99.8	89.8	88.4	
2013	101.2	98.2	111.9	95.6	98.4	93.3	106.3	91.7	90.4	
2014	101.8	97.9	114.7	96.1	98.5	93.6	106.2	91.8	91.0	
2015	92.4	P 88.4	106.6	P 87.9	P 94.7	P 93.6	P 95.9	P 86.9	P 86.4	
2012 Jan	98.7	95.8	107.9	93.3	96.1	93.4	100.0	90.3	89.0	
Feb	99.4	96.7	108.3	93.8	96.7	93.5	101.5	90.8	89.3	
Mar	99.6	96.8	108.6	93.9	96.9	93.4	102.1	90.8	89.3	
Apr	99.3	96.6	108.4	93.8	96.7	93.4	101.5	90.7	89.2	
May	97.9	95.1	107.3	92.7	95.9	93.4	99.5	89.9	88.5	
June	97.0	94.4	106.6	92.1	95.6	93.4	98.7	89.5	88.2	
July	95.2	92.7	104.3	90.3	94.9	93.2	96.9	88.6	87.1	
Aug	95.0	92.6	104.4	90.3	94.9	93.2	97.1	88.5	87.0	
Sep	97.0	94.5	106.6	92.2	95.7	93.2	99.2	89.5	88.1	
Oct	97.6	95.1	107.3	92.6	95.8	93.0	99.9	89.6	88.2	
Nov	97.0	94.4	106.7	91.9	95.8	93.0	99.7	89.3	87.9	
Dec	98.4	95.8	108.2	93.2	96.5	93.0	101.5	90.0	88.6	
2013 Jan	100.1	97.4	109.8	94.4	97.5	93.2	104.2	91.1	89.5	
Feb	101.3	98.3	111.0	95.1	98.0	93.1	105.7	91.5	89.9	
Mar	99.8	97.1	109.2	93.8	97.6	93.2	104.5	90.9	89.1	
Apr	100.0	97.0	109.5	93.7	98.0	93.3	105.1	91.1	89.3	
May	100.1	97.3	109.7	94.0	98.1	93.3	105.7	91.1	89.4	
June	101.1	98.2	111.8	95.7	98.4	93.4	106.3	91.7	90.5	
July	101.0	98.2	111.8	95.6	98.6	93.5	106.7	91.8	90.5	
Aug	101.7	98.7	113.3	96.7	98.6	93.3	107.0	91.9	91.0	
Sep	101.6	98.4	113.2	96.5	98.6	93.4	106.8	91.8	90.9	
Oct	102.5	99.0	114.1	96.9	98.9	93.3	107.6	92.1	91.1	
Nov	102.2	98.8	114.1	96.7	98.9	93.5	107.4	92.1	91.2	
Dec	103.4	99.9	115.7	98.1	99.4	93.5	108.8	92.8	92.0	
2014 Jan	103.0	99.5	115.8	98.1	99.2	93.5	108.3	92.5	92.0	
Feb	103.2	99.6	116.3	98.3	98.9	93.4	107.9	92.5	92.0	
Mar	104.3	100.6	117.5	99.1	99.3	93.4	108.7	93.1	92.5	
Apr	104.2	100.4	117.0	98.5	99.2	93.5	108.3	93.0	92.3	
May	103.6	99.5	116.1	97.4	98.8	93.5	107.3	92.6	91.6	
June	102.7	98.7	115.1	96.6	98.7	93.7	106.6	92.3	91.3	
July	102.3	98.2	114.7	96.0	98.7	93.8	106.3	92.2	91.1	
Aug	101.5	97.5	114.0	95.4	98.4	93.8	105.6	91.8	90.8	
Sep	99.9	95.9	112.3	93.9	98.1	93.9	104.6	91.1	90.0	
Oct	99.1	95.0	111.8	93.2	97.6	93.7	103.5	90.4	89.5	
Nov	99.0	94.9	111.9	93.3	97.8	93.7	104.0	90.4	89.6	
Dec	99.0	94.8	113.1	93.9	97.7	93.6	103.9	90.3	89.9	
2015 Jan	95.2	91.1	108.9	P 90.2	95.7	93.5	98.6	88.2	P 87.6	
Feb	93.3	89.5	107.0	P 88.7	95.2	93.7	97.0	87.4	P 86.8	
Mar	90.6	86.9	103.8	P 86.0	94.2	93.7	94.5	86.1	P 85.3	
Apr	89.7	86.1	102.4	P 84.8	94.1	93.8	94.0	85.7	P 84.7	
May	91.6	87.9	104.7	P 86.6	94.5	93.6	95.5	86.6	P 85.6	
June	92.3	88.5	106.0	P 87.6	94.7	93.5	96.1	86.9	P 86.2	
July	91.3	87.5	105.1	P 86.7	94.4	93.6	95.0	86.4	P 85.7	
Aug	93.0	89.0	108.1	P 89.1	94.9	93.6	96.4	87.2	P 87.1	
Sep	93.8	89.7	109.6	P 90.3	95.2	93.6	97.1	87.6	P 87.8	
Oct	93.6	P 89.5	109.0	P 89.6	95.1	93.6	97.0	P 87.5	P 87.5	
Nov	91.1	P 87.0	106.0	P 86.9	P 94.1	P 93.6	P 94.3	P 86.2	P 85.9	
Dec	92.5	P 88.3	108.0	P 88.5	P 94.6	P 93.6	P 95.5	P 86.9	P 86.9	

* See Explanatory notes, p 59. 1 Source: ECB.

III Effective exchange rates of the euro***2 Nominal and real effective exchange rates based on consumer price indices**

1999 Q1 = 100, monthly averages, log scale



* Source: ECB.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Afghanistan							
Kabul 660	Afghani = 100 puls AFN	B S AFN	USD 1 = USD 1 = EUR 1 = EUR 1 =	AFN 61.7100 AFN 61.8100 AFN 67.8475 AFN 68.1075	AFN 64.6500 AFN 64.7500 AFN 71.0100 AFN 71.2700	AFN 66.5400 AFN 66.6400 AFN 70.1400 AFN 70.4000	AFN 68.3200 AFN 68.4200 AFN 74.3500 AFN 74.6100
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M M ALL	USD 1 = EUR 1 =	ALL 126.18 ALL 139.77	ALL 126.43 ALL 139.18	ALL 130.35 ALL 138.15	ALL 125.79 ALL 137.28
Algeria							
Algiers 208	Algerian dinar = 100 centimes DZD	B S DZD	USD 1 = USD 1 = EUR 1 = EUR 1 =	DZD 100.8401 DZD 100.8551 DZD 111.6833 DZD 111.7210	DZD 106.7224 DZD 106.7374 DZD 117.4800 DZD 117.5392	DZD 108.4883 DZD 108.5033 DZD 114.6287 DZD 114.6880	DZD 107.0865 DZD 107.1015 DZD 117.0884 DZD 117.1369
Angola ¹							
Luanda 330	Kwanza = 100 cêntimos AOA	B S AOA	USD 1 = USD 1 = EUR 1 = EUR 1 =	AOA 120.413 AOA 121.617 AOA 132.888 AOA 134.187	AOA 134.635 AOA 135.981 AOA 147.547 AOA 148.981	AOA 134.639 AOA 135.985 AOA 142.879 AOA 144.266	AOA 134.642 AOA 135.988 AOA 147.110 AOA 148.553
Antigua and Barbuda							
St John's 459	East Caribbean dollar = 100 cents XCD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Argentina ¹							
Buenos Aires 528	Argentine peso = 100 centavos ARS	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	ARS 9.1681 ARS 9.2681 ARS 10.1654 ARS 10.3014	ARS 9.4460 ARS 9.5460 ARS 10.4019 ARS 10.5359	ARS 9.5880 ARS 9.6880 ARS 10.1134 ARS 10.2431	ARS 12.9400 ¹ ARS 13.0400 ¹ ARS 14.0684 ¹ ARS 14.2097 ¹
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M M	USD 1 = EUR 1 =	AMD 478.20 AMD 530.02	AMD 472.78 AMD 520.25	AMD 482.81 AMD 510.86	AMD 483.75 AMD 528.69
Aruba							
Oranjestad 474	Aruban florin = 100 cent AWG	B S AWG	USD 1 = USD 1 = EUR 100 = EUR 100 =	AWG 1.78 AWG 1.80 AWG 196.73 AWG 198.70	AWG 1.78 AWG 1.80 AWG 196.22 AWG 198.19	AWG 1.78 AWG 1.80 AWG 188.42 AWG 190.31	AWG 1.78 AWG 1.80 AWG 193.90 AWG 195.85

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M M	AUD 1 = AUD 1 =	USD 0.7508 EUR 0.6763	USD 0.7099 EUR 0.6467	USD 0.7189 EUR 0.6790	USD 0.7306 EUR 0.6682
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Azerbaijan ¹							
Baku 078	Azerbaijan manat = 100 qapik AZN	M M	USD 1 = EUR 1 =	AZN 1.0371 AZN 1.1488	AZN 1.0493 AZN 1.1516	AZN 1.0512 AZN 1.1130	AZN 1.5594 1 AZN 1.7046 1
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BSD 0.9950 BSD 1.0125 BSD 1.07177 BSD 1.13418	BSD 0.9950 BSD 1.0125 BSD 1.07180 BSD 1.13060	BSD 0.9950 BSD 1.0125 BSD 1.02820 BSD 1.08700	BSD 0.9950 BSD 1.0125 BSD 1.06160 BSD 1.12040
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BHD 0.37425 BHD 0.37750 BHD 0.4038078 BHD 0.4287856	BHD 0.37425 BHD 0.37750 BHD 0.4010174 BHD 0.4258226	BHD 0.37425 BHD 0.37750 BHD 0.3869039 BHD 0.4108361	BHD 0.37425 BHD 0.37750 BHD 0.3995527 BHD 0.4242673
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BDT 77.4375 BDT 78.4275 BDT 84.4481 BDT 87.7842	BDT 77.8500 BDT 78.8400 BDT 83.9031 BDT 87.4931	BDT 78.6000 BDT 79.5900 BDT 81.9392 BDT 85.5292	BDT 77.9500 BDT 78.9400 BDT 83.8870 BDT 87.4770
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BBD 1.99375 BBD 2.02768 BBD 2.19772 BBD 2.23892	BBD 1.99375 BBD 2.02768 BBD 2.18449 BBD 2.22544	BBD 1.99375 BBD 2.02768 BBD 2.11181 BBD 2.15140	BBD 1.99375 BBD 2.02768 BBD 2.17195 BBD 2.21266
Belarus							
Minsk 073	Belarusian rouble BYR	M M	USD 1 = EUR 1 =	BYR 16,085.75 BYR 17,823.83	BYR 17,438.00 BYR 19,165.00	BYR 18,153.00 BYR 19,282.00	BYR 18,569.00 BYR 20,300.00

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. **1** Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Belize							
Belmopan 421	Belize dollar = 100 cents BZD	B S	USD 1 = USD 1 =	BZD 1.9825 BZD 2.0175	BZD 1.9825 BZD 2.0175	BZD 1.9825 BZD 2.0175	BZD 1.9825 BZD 2.0175
		B S	EUR 1 = EUR 1 =	BZD 2.1913 BZD 2.2300	BZD 2.1879 BZD 2.2265	BZD 2.0977 BZD 2.1347	BZD 2.1585 BZD 2.1967
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents BMD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BMD 0.9960 BMD 1.0043 BMD 1.1051 BMD 1.1143	BMD 0.9960 BMD 1.0043 BMD 1.0973 BMD 1.1064	BMD 0.9960 BMD 1.0043 BMD 1.0537 BMD 1.0624	BMD 0.9960 BMD 1.0043 BMD 1.0843 BMD 1.0934
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BTN 64.17 BTN 64.62 BTN 70.95 BTN 71.43	BTN 65.00 BTN 65.45 BTN 71.30 BTN 71.77	BTN 66.61 BTN 67.07 BTN 70.73 BTN 71.20	BTN 66.28 BTN 66.74 BTN 72.51 BTN 72.99
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BOB 6.86 BOB 6.96 BOB 7.6077 BOB 7.7186	BOB 6.86 BOB 6.96 BOB 7.5577 BOB 7.6678	BOB 6.86 BOB 6.96 BOB 7.2572 BOB 7.3630	BOB 6.86 BOB 6.96 BOB 7.4685 BOB 7.5774
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 fenings BAM	B S B / S	USD 1 = USD 1 = EUR 1 =	BAM 1.768204 BAM 1.777067 BAM 1.95583	BAM 1.770846 BAM 1.779722 BAM 1.95583	BAM 1.843989 BAM 1.853233 BAM 1.95583	BAM 1.785595 BAM 1.794545 BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe BWP	B S B S	BWP 1 = BWP 1 = BWP 1 = BWP 1 =	USD 0.0983 USD 0.0981 EUR 0.0890 EUR 0.0887	USD 0.0947 USD 0.0945 EUR 0.0861 EUR 0.0859	USD 0.0919 USD 0.0917 EUR 0.0869 EUR 0.0867	USD 0.0890 USD 0.0888 EUR 0.0818 EUR 0.0816

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Brazil							
Brasília 508	Brazilian real = 100 centavos BRL	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BRL 3.3381 BRL 3.3387 BRL 3.7343 BRL 3.7358	BRL 3.8582 BRL 3.8589 BRL 4.2641 BRL 4.2660	BRL 3.8499 BRL 3.8506 BRL 4.0713 BRL 4.0735	BRL 3.9042 BRL 3.9048 BRL 4.2482 BRL 4.2504
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents BND	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BND 1.3689 BND 1.3898 BND 1.4958 BND 1.5523	BND 1.3904 BND 1.4115 BND 1.5131 BND 1.5697	BND 1.4047 BND 1.4255 BND 1.4715 BND 1.5279	BND 1.4028 BND 1.4237 BND 1.5190 BND 1.5755
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinka BGN	M M	USD 1 = EUR 1 =	BGN 1.76396 BGN 1.95583	BGN 1.77528 BGN 1.95583	BGN 1.84879 BGN 1.95583	BGN 1.79007 BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Burundi							
Bujumbura 328	Burundi franc = 100 centimes BIF	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	BIF 1,558.7954 BIF 1,590.2862 BIF 1,721.3347 BIF 1,756.1091	BIF 1,569.5064 BIF 1,601.2136 BIF 1,723.6320 BIF 1,758.4528	BIF 1,594.8108 BIF 1,627.0292 BIF 1,688.8249 BIF 1,722.9425	BIF 1,600.9587 BIF 1,633.3013 BIF 1,749.8479 BIF 1,785.1983
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B S 2 B/S	USD 1 = USD 1 = EUR 1 =	CVE 99.897 CVE 100.099 CVE 110.265	CVE 100.782 CVE 100.984 CVE 110.265	CVE 104.119 CVE 104.321 CVE 110.265	CVE 100.819 CVE 101.021 CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M B S	USD 1 = EUR 1 = EUR 1 =	KHR 4,062 KHR 4,487 KHR 4,532	KHR 4,061 KHR 4,461 KHR 4,506	KHR 4,044 KHR 4,281 KHR 4,323	KHR 4,050 KHR 4,429 KHR 4,473
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V 2	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M M	USD 1 = EUR 1 =	CAD 1.2787 CAD 1.4235	CAD 1.3083 CAD 1.4446	CAD 1.3333 CAD 1.4081	CAD 1.3840 CAD 1.5029

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Cayman Islands							
George Town 463	Cayman Islands dollar = 100 cents KYD	2 V	KYD 1 = EUR 1 =	USD 1.20 KYD 0.9246	USD 1.20 KYD 0.9181	USD 1.20 KYD 0.8816	USD 1.20 KYD 0.9073
Central African Republic ¹							
Bangui 306	CFA franc XAF	V 3	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	V 3	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M M	USD 1 = EUR 1 =	CLP 656.62 CLP 728.18	CLP 690.34 CLP 756.29	CLP 712.63 CLP 755.38	CLP 707.34 CLP 771.95
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M M M	USD 1 = EUR 1 = HKD 1 =	CNY 6.2293 CNY 6.9036 CNY 0.80459	CNY 6.3495 CNY 6.9771 CNY 0.81929	CNY 6.3962 CNY 6.7673 CNY 0.82528	CNY 6.4936 CNY 7.0952 CNY 0.83778
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B B S S	USD 1 = USD 1 = EUR 1 = EUR 1 =	TWD 31.72 TWD 31.82 TWD 35.06 TWD 35.46	TWD 32.48 TWD 32.58 TWD 35.52 TWD 35.92	TWD 32.65 TWD 32.75 TWD 34.40 TWD 34.80	TWD 32.83 TWD 32.93 TWD 35.74 TWD 36.14
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	COP 2,767.77 COP 2,769.53 COP 3,065.96 COP 3,067.91	COP 2,920.58 COP 2,922.06 COP 3,217.60 COP 3,219.23	COP 3,099.81 COP 3,102.39 COP 3,279.29 COP 3,282.02	COP 3,145.39 COP 3,153.54 COP 3,424.39 COP 3,433.26
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V 3	USD 1 = EUR 1 =	KMF 443.41393 KMF 491.96775	KMF 446.55328 KMF 491.96775	KMF 465.04183 KMF 491.96775	KMF 451.88551 KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	V 3	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 61. ¹ Explanatory notes on individual countries, see p. 65 ff.

² Value against the US dollar. ³ Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B S CDF	USD 1 = USD 1 = EUR 1 = EUR 1 =	CDF 907.4830 CDF 944.5232 CDF 1,002.0568 CDF 1,042.9571	CDF 909.4694 CDF 946.5906 CDF 993.9815 CDF 1,034.5522	CDF 907.7979 CDF 944.8509 CDF 960.1050 CDF 999.2929	CDF 908.9478 CDF 946.0477 CDF 990.6942 CDF 1,031.1307
Cook Islands ¹							
Avarua 837	Cook Islands dollar = 100 cents	² B S NZD	NZD 1 = NZD 1 =	EUR 0.6454 EUR 0.6174	EUR 0.6305 EUR 0.6031	EUR 0.6336 EUR 0.6058	EUR 0.6426 EUR 0.6147
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B S CRC	USD 1 = USD 1 = EUR 1 = EUR 1 =	CRC 528.69 CRC 540.97 CRC 583.9701 CRC 597.5319	CRC 528.01 CRC 540.43 CRC 581.7086 CRC 595.3917	CRC 526.05 CRC 538.71 CRC 556.5083 CRC 569.9013	CRC 531.94 CRC 544.87 CRC 579.1231 CRC 593.2000
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc	V ³	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Croatia							
Zagreb 092	Kuna = 100 lipa	B S HRK	USD 1 = USD 1 = EUR 1 = EUR 1 =	HRK 6.846831 HRK 6.888036 HRK 7.594448 HRK 7.640151	HRK 6.887501 HRK 6.928951 HRK 7.576940 HRK 7.622538	HRK 7.178233 HRK 7.221431 HRK 7.603902 HRK 7.649662	HRK 6.970826 HRK 7.012776 HRK 7.612142 HRK 7.657952
Cuba ¹							
Havana 448	Convertible peso / Cuban peso = 100 centavos	B S CUC / CUP	CUC 1 = CUC 1 = EUR 1 = EUR 1 =	USD 1.03360 USD 0.96852 CUC 1.06757 CUC 1.13940	USD 1.03360 USD 0.96852 CUC 1.06067 CUC 1.13214	USD 1.03360 USD 0.96852 CUC 1.02361 CUC 1.09249	USD 1.03360 USD 0.96852 CUC 1.05786 CUC 1.12904
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cent	B S ANG	USD 1 = USD 1 = EUR 100 = EUR 100 =	ANG 1.78 ANG 1.82 ANG 196.73 ANG 200.69	ANG 1.78 ANG 1.82 ANG 196.22 ANG 200.17	ANG 1.78 ANG 1.82 ANG 188.42 ANG 192.21	ANG 1.78 ANG 1.82 ANG 193.90 ANG 197.81
Cyprus							
Nicosia 600	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Czech Republic							
Prague 061	Czech koruna = 100 heller	M CZK	USD 1 = EUR 1 =	CZK 24.600 CZK 27.269	CZK 24.594 CZK 27.090	CZK 25.545 CZK 27.030	CZK 24.824 CZK 27.025

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.
² Parity in relation to New Zealand dollar. ³ Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M M	USD 100 = EUR 100 =	DKK 672.69 DKK 746.07	DKK 676.94 DKK 745.78	DKK 705.21 DKK 746.04	DKK 683.00 DKK 746.25
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	DJF 176.832 DJF 179.498 DJF 194.33 DJF 201.99	DJF 176.832 DJF 179.498 DJF 191.73 DJF 199.15	DJF 176.832 DJF 179.498 DJF 190.63 DJF 198.03	DJF 176.832 DJF 179.498 DJF 191.81 DJF 199.24
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	DOP 44.7391 DOP 45.0960 DOP 48.6052 DOP 51.5159	DOP 45.0273 DOP 45.4150 DOP 48.8165 DOP 51.6823	DOP 45.1004 DOP 45.4544 DOP 47.3749 DOP 50.8835	DOP 45.2273 DOP 45.6043 DOP 48.3136 DOP 51.4058
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	EGP 7.7208 EGP 7.7222 EGP 8.4926 EGP 8.5912	EGP 8.0300 EGP 8.0301 EGP 8.7240 EGP 8.8203	EGP 7.8300 EGP 7.8301 EGP 8.2399 EGP 8.2960	EGP 7.8300 EGP 7.8301 EGP 8.4856 EGP 8.5638
El Salvador							
San Salvador 428	El Salvador colón = 100 centavos SVC	B / S V, B / S	USD 1 = EUR 1 =	SVC 8.75 SVC 9.7081	SVC 8.75 SVC 9.6399	SVC 8.75 SVC 9.2566	SVC 8.75 SVC 9.5261
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V 2	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	ERN 15.0000 ERN 15.7500 ERN 16.5500 ERN 17.3095	ERN 15.0000 ERN 15.7500 ERN 16.4415 ERN 17.2010	ERN 15.0000 ERN 15.7500 ERN 15.8760 ERN 16.6355	ERN 15.0000 ERN 15.7500 ERN 16.4835 ERN 17.2430
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Ethiopia							
Addis Ababa 334	Birr = 100 cents ETB	B S ETB	USD 1 = USD 1 = EUR 1 = EUR 1 =	ETB 20.6138 ETB 21.0261 ETB 22.7723 ETB 23.2318	ETB 20.9058 ETB 21.3239 ETB 22.9023 ETB 23.3689	ETB 20.9858 ETB 21.4055 ETB 22.2093 ETB 22.6599	ETB 21.0736 ETB 21.4951 ETB 23.1198 ETB 23.5865
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound = 100 pence FKP	2 V 2 V	USD 1 = EUR 1 =	FKP 0.65420 FKP 0.72584	FKP 0.65190 FKP 0.71820	FKP 0.66623 FKP 0.70480	FKP 0.67415 FKP 0.73395
Fiji							
Suva 815	Fiji dollar = 100 cents FJD	B S B S	FJD 1 = FJD 1 = FJD 1 = FJD 1 =	USD 0.4837 USD 0.4667 EUR 0.4360 EUR 0.4240	USD 0.4725 USD 0.4555 EUR 0.4280 EUR 0.4160	USD 0.4716 USD 0.4546 EUR 0.4427 EUR 0.4307	USD 0.4786 USD 0.4616 EUR 0.4359 EUR 0.4239
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Gabon ¹							
Libreville 314	CFA franc XAF	V 3	USD 1 = EUR 1 =	XAF 591.219 XAF 655.957	XAF 595.404 XAF 655.957	XAF 620.056 XAF 655.957	XAF 602.514 XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 = EUR 1 =	GMD 42.23 GMD 46.93	GMD 39.32 GMD 42.84	GMD 39.63 GMD 43.19	GMD 39.91 GMD 43.86
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 = EUR 1 =	GEL 2.2792 GEL 2.5259	GEL 2.3980 GEL 2.6414	GEL 2.4051 GEL 2.5477	GEL 2.3949 GEL 2.6169
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value (1:1) against the pound sterling. 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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B S GHS	USD 1 = USD 1 = EUR 1 = EUR 1 =	GHS 3.7595 GHS 3.7632 GHS 4.1517 GHS 4.1550	GHS 3.7877 GHS 3.7915 GHS 4.1911 GHS 4.1936	GHS 3.7913 GHS 3.7951 GHS 4.0055 GHS 4.0089	GHS 3.7931 GHS 3.7969 GHS 4.1306 GHS 4.1334
Gibraltar							
Gibraltar 044	Gibraltar pound = 100 pence GIP	2 V	USD 1 = EUR 1 =	GIP 0.65420 GIP 0.72584	GIP 0.65190 GIP 0.71820	GIP 0.66623 GIP 0.70480	GIP 0.67415 GIP 0.73395
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Grenada							
St George's 473	East Caribbean dollar = 100 cents	B S XCD	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.65729 GTQ 8.45820	GTQ 7.66267 GTQ 8.44196	GTQ 7.61230 GTQ 8.05305	GTQ 7.63237 GTQ 8.30936
Guinea							
Conakry 260	Guinean franc	B GNF	USD 1 = USD 1 = EUR 1 = EUR 1 =	GNF 7,103.8740 GNF 7,645.9421 GNF 7,857.9357 GNF 8,457.1325	GNF 7,206.4008 GNF 7,806.9343 GNF 7,961.0551 GNF 8,624.4764	GNF 7,245.7440 GNF 7,849.5560 GNF 7,674.2572 GNF 8,313.7787	GNF 7,444.5035 GNF 8,064.8788 GNF 8,088.9742 GNF 8,763.0553
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 3	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents	B GYD	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 205.98 GYD 208.44 GYD 227.42 GYD 230.34	GYD 205.98 GYD 208.44 GYD 227.16 GYD 230.07	GYD 205.98 GYD 208.44 GYD 217.52 GYD 220.32	GYD 205.98 GYD 208.44 GYD 224.19 GYD 227.07

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value (1:1) against the pound sterling. ³ Value against the euro.

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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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M V, M	USD 1 = EUR 1 =	HTG 51.1640 HTG 56.4762	HTG 53.7793 HTG 59.2487	HTG 56.1368 HTG 59.3871	HTG 56.6970 HTG 61.7260
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	HNL 21.9794 HNL 22.1332 HNL 24.2752 HNL 24.4451	HNL 22.0724 HNL 22.2269 HNL 24.3172 HNL 24.4874	HNL 22.2162 HNL 22.3717 HNL 23.5025 HNL 23.6670	HNL 22.3557 HNL 22.5122 HNL 24.3387 HNL 24.5090
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	HKD 7.73880 HKD 7.76433 HKD 8.52852 HKD 8.58831	HKD 7.73630 HKD 7.76230 HKD 8.48778 HKD 8.54752	HKD 7.73630 HKD 7.76230 HKD 8.17398 HKD 8.23372	HKD 7.73710 HKD 7.76310 HKD 8.40268 HKD 8.46242
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 = EUR 1 =	HUF 279.46 HUF 309.32	HUF 281.48 HUF 309.77	HUF 294.35 HUF 311.45	HUF 286.63 HUF 313.12
Iceland							
Reykjavík 024	Icelandic krona ISK	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	ISK 131.45 ISK 132.07 ISK 145.89 ISK 146.70	ISK 128.12 ISK 128.74 ISK 141.03 ISK 141.81	ISK 132.45 ISK 133.09 ISK 140.06 ISK 140.84	ISK 129.28 ISK 129.90 ISK 140.93 ISK 141.71
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	INR 63.82 INR 64.67 INR 70.23 INR 71.79	INR 64.85 INR 65.70 INR 70.85 INR 72.43	INR 66.38 INR 67.23 INR 69.86 INR 71.43	INR 65.75 INR 66.60 INR 71.50 INR 73.09
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	IDR 13,351.04 IDR 13,485.13 IDR 14,786.36 IDR 14,938.08	IDR 13,571.00 IDR 13,707.00 IDR 14,895.53 IDR 15,050.29	IDR 13,771.00 IDR 13,909.00 IDR 14,565.59 IDR 14,714.33	IDR 13,726.00 IDR 13,864.00 IDR 14,991.54 IDR 15,147.81
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M M	USD 1 = EUR 1 =	IRR 29,128 IRR 32,174	IRR 29,957 IRR 32,971	IRR 30,086 IRR 31,842	IRR 30,130 IRR 32,934

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Iraq							
Baghdad 612	Iraqi dinar = 1,000 fils	B S	USD 1 = USD 1 =	IQD 1,165.333 IQD 1,167.333	IQD 1,164.000 IQD 1,166.000	IQD 1,164.000 IQD 1,166.000	IQD 1,180.000 IQD 1,182.000
	IQD	B S	EUR 1 = EUR 1 =	IQD 1,289.847 IQD 1,290.493	IQD 1,289.068 IQD 1,289.713	IQD 1,233.710 IQD 1,234.328	IQD 1,293.879 IQD 1,294.526
Ireland							
Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
	EUR						
Israel							
Jerusalem 624	New Israeli sheqel = 100 agorot	M M	USD 1 = EUR 1 =	ILS 3.8839 ILS 4.2920	ILS 3.8670 ILS 4.2529	ILS 3.8770 ILS 4.0995	ILS 3.9020 ILS 4.2468
	ILS						
Italy							
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
	EUR						
Jamaica							
Kingston 464	Jamaican dollar = 100 cents	B S	USD 1 = USD 1 =	JMD 116.8907 JMD 117.4812	JMD 119.3167 JMD 119.8343	JMD 119.2453 JMD 119.9320	JMD 119.6419 JMD 120.4150
	JMD	B S	EUR 1 = EUR 1 =	JMD 129.01328 JMD 129.61075	JMD 130.62242 JMD 131.24092	JMD 126.55490 JMD 127.09798	JMD 130.53528 JMD 131.33568
Japan							
Tokyo 732	Japanese yen = 100 sen	B S	USD 1 = USD 1 =	JPY 120.12 JPY 122.12	JPY 119.90 JPY 121.90	JPY 121.82 JPY 123.82	JPY 119.61 JPY 121.61
	JPY	B S	EUR 1 = EUR 1 =	JPY 132.19 JPY 135.19	JPY 131.34 JPY 134.34	JPY 128.38 JPY 131.38	JPY 130.27 JPY 133.27
Jordan							
Amman 628	Jordanian dinar = 1,000 fils	B S	USD 1 = USD 1 =	JOD 0.7080 JOD 0.7100	JOD 0.7080 JOD 0.7100	JOD 0.7080 JOD 0.7100	JOD 0.7080 JOD 0.7100
	JOD	B S	EUR 1 = EUR 1 =	JOD 0.77803 JOD 0.78573	JOD 0.77207 JOD 0.77923	JOD 0.74829 JOD 0.75530	JOD 0.77045 JOD 0.77653
Kazakhstan							
Astana 079	Tenge = 100 tyin	M M	USD 1 = EUR 1 =	KZT 225.02 KZT 249.15	KZT 279.21 KZT 305.57	KZT 307.20 KZT 326.06	KZT 339.47 KZT 371.31
	KZT						
Kenya ¹							
Nairobi 346	Kenya shilling = 100 cents	B S	USD 1 = USD 1 =	KES 98.6085 KES 98.7851	KES 101.7000 KES 101.9000	KES 102.0139 KES 102.2147	KES 102.2139 KES 102.4088
	KES	B S	EUR 1 = EUR 1 =	KES 108.8046 KES 109.0215	KES 111.4678 KES 111.7189	KES 108.0317 KES 108.2750	KES 111.6694 KES 111.8972

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month			
					October 2015	November 2015	December 2015	
Korea, Democratic People's Republic of								
Pyongyang 724	North Korean won = 100 chon KPW	B S	USD 1 = USD 1 =	KPW 108.41 109.23	KPW 108.70 ² 109.52	KPW 110.51 ³ 111.34	KPW 108.68 ⁴ 109.50	
		B S	EUR 1 = EUR 1 =	KPW 119.43 120.33	KPW 118.78 ² 119.68	KPW 116.78 ³ 117.66	KPW 118.73 ⁴ 119.63	
Korea, Republic of								
Seoul 728	South Korean won = 100 chon KRW	B S	USD 1 = USD 1 =	KRW 1,120.93 1,143.03	KRW 1,127.40 1,149.60	KRW 1,146.70 1,169.30	KRW 1,166.00 1,189.00	
		B S	EUR 1 = EUR 1 =	KRW 1,237.72 1,262.72	KRW 1,240.40 1,265.44	KRW 1,212.46 1,236.94	KRW 1,273.32 1,299.04	
Kuwait								
Kuwait 636	Kuwaiti dinar = 1,000 fils KWD	B S	USD 1 = USD 1 =	KWD 0.29990 0.30371	KWD 0.30180 0.30540	KWD 0.30310 0.30670	KWD 0.30220 0.30580	
		B S	EUR 1 = EUR 1 =	KWD 0.331011 0.335218	KWD 0.332916 0.336887	KWD 0.320771 0.324581	KWD 0.329005 0.332924	
Kyrgyzstan								
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 = EUR 1 =	KGS 64.8031 71.8206	KGS 69.6980 76.7131	KGS 75.9000 80.5792	KGS 75.8993 83.0073	
Lao People's Democratic Republic								
Vientiane 684	Kip LAK	B S	USD 1 = USD 1 =	LAK 8,121 8,153	LAK 8,128 8,165	LAK 8,151 8,188	LAK 8,131 8,168	
		B S	EUR 1 = EUR 1 =	LAK 8,950 8,992	LAK 8,913 8,955	LAK 8,605 8,645	LAK 8,871 8,913	
Latvia								
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887	
Lebanon								
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 = EUR 1 =	LBP 1,507.50 1,670.51	LBP 1,507.50 1,659.31	LBP 1,507.50 1,594.18	LBP 1,507.50 1,646.64	
Lesotho ¹								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 = EUR 1 =	LSL 12.8909 14.2094	LSL 13.8326 15.2273	LSL 14.3235 15.1583	LSL 15.2206 16.6147	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Exchange rate as of 2 November 2015. ³ Exchange rate as of 1 December 2015. ⁴ Exchange rate as of 4 January 2016.

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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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B S LRD	USD 1 = USD 1 = EUR 1 = EUR 1 =	LRD 85.83 LRD 86.83 LRD 94.7997 LRD 95.9042	LRD 87.00 LRD 88.00 LRD 95.8479 LRD 96.9496	LRD 87.00 LRD 88.00 LRD 92.0373 LRD 93.0952	LRD 88.00 LRD 89.00 LRD 95.8056 LRD 96.8943
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B S LYD	USD 1 = USD 1 = EUR 1 = EUR 1 =	LYD 1.3802 LYD 1.3871 LYD 1.5232 LYD 1.5308	LYD 1.3843 LYD 1.3912 LYD 1.5149 LYD 1.5225	LYD 1.4037 LYD 1.4107 LYD 1.4859 LYD 1.4933	LYD 1.3894 LYD 1.3963 LYD 1.5186 LYD 1.5263
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Macao ¹							
Macao 743	Pataca = 100 avos MOP	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	MOP 7.9739 MOP 8.0063 MOP 8.7960 MOP 8.8557	MOP 7.9726 MOP 8.0041 MOP 8.7468 MOP 8.8028	MOP 7.9727 MOP 8.0042 MOP 8.4268 MOP 8.4828	MOP 7.9734 MOP 8.0049 MOP 8.7003 MOP 8.7573
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni MKD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	MKD 55.3515 MKD 55.9078 MKD 61.3003 MKD 61.9163	MKD 55.6878 MKD 56.2475 MKD 61.3513 MKD 61.9679	MKD 57.9398 MKD 58.5221 MKD 61.3003 MKD 61.9163	MKD 56.0926 MKD 56.6563 MKD 61.2867 MKD 61.9027
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M M	USD 1 = EUR 1 =	MGA 2,942.10 MGA 3,260.72	MGA 3,292.24 MGA 3,607.87	MGA 3,260.43 MGA 3,448.11	MGA 3,199.21 MGA 3,497.62
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala MWK	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	MWK 500.5335 MWK 517.5229 MWK 552.0873 MWK 570.8935	MWK 552.5227 MWK 564.3617 MWK 610.5928 MWK 623.6761	MWK 597.2771 MWK 612.3981 MWK 632.6359 MWK 648.6520	MWK 656.0604 MWK 672.6696 MWK 717.2709 MWK 735.4296

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

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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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen MYR	B S	USD 1 = USD 1 =	MYR 3.8736 MYR 3.9700	MYR 4.2465 MYR 4.3635	MYR 4.2262 MYR 4.3428	MYR 4.2371 MYR 4.3539
		B S	EUR 1 = EUR 1 =	MYR 4.2878 MYR 4.4191	MYR 4.6475 MYR 4.8093	MYR 4.4557 MYR 4.6107	MYR 4.6168 MYR 4.7775
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M V, M	USD 1 = EUR 1 =	MVR 15.37 MVR 16.97146	MVR 15.29 MVR 16.84499	MVR 15.33 MVR 16.21761	MVR 15.41 MVR 16.77687
Mali ¹							
Bamako 232	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B S	USD 1 = USD 1 =	MRO 324.03 MRO 327.28	MRO 333.15 MRO 336.48	MRO 334.12 MRO 337.47	MRO 338.04 MRO 341.43
		B S	EUR 1 = EUR 1 =	MRO 357.85 MRO 361.44	MRO 365.32 MRO 368.99	MRO 353.16 MRO 356.71	MRO 369.28 MRO 372.99
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B S	USD 1 = USD 1 =	MUR 34.7263 MUR 35.7423	MUR 35.5314 MUR 36.5837	MUR 35.8069 MUR 36.8650	MUR 35.4813 MUR 36.5312
		B S	EUR 1 = EUR 1 =	MUR 38.3484 MUR 39.4735	MUR 39.0240 MUR 40.1867	MUR 37.9049 MUR 39.0354	MUR 38.7733 MUR 39.9291
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	MXN 15.9184 MXN 15.9229 MXN 17.6302 MXN 17.6345	MXN 16.5040 MXN 16.5070 MXN 18.1825 MXN 18.1858	MXN 16.5705 MXN 16.5735 MXN 17.5299 MXN 17.5331	MXN 17.2050 MXN 17.2120 MXN 18.7311 MXN 18.7387
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 = EUR 1 =	MDL 18.8210 MDL 20.8780	MDL 20.0339 MDL 21.9603	MDL 20.1088 MDL 21.2792	MDL 19.6585 MDL 21.4779
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 = EUR 1 =	MNT 1,974.22 MNT 2,179.24	MNT 1,991.67 MNT 2,188.55	MNT 1,994.83 MNT 2,111.63	MNT 1,995.51 MNT 2,181.19

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Morocco							
Rabat 204	Moroccan dirham = 100 centimes	B S	USD 1 = USD 1 =	MAD 9.7456 MAD 9.8042	MAD 9.7883 MAD 9.8471	MAD 10.0440 MAD 10.1040	MAD 9.8711 MAD 9.9304
	MAD	B S	EUR 1 = EUR 1 =	MAD 10.799 MAD 10.864	MAD 10.809 MAD 10.874	MAD 10.628 MAD 10.692	MAD 10.751 MAD 10.815
Mozambique							
Maputo 366	Metical = 100 centavos	B S	USD 1 = USD 1 =	MZN 38.76 MZN 38.94	MZN 41.91 MZN 42.11	MZN 54.01 MZN 54.11	MZN 44.92 MZN 44.98
	MZN	B S	EUR 1 = EUR 1 =	MZN 42.75 MZN 42.95	MZN 46.12 MZN 46.34	MZN 57.14 MZN 57.24	MZN 48.97 MZN 49.04
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas	M M	USD 1 = EUR 1 =	MMK 1,169.92 MMK 1,292.10	MMK 1,277.00 MMK 1,402.10	MMK 1,300.00 MMK 1,375.50	MMK 1,309.00 MMK 1,431.70
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents	M M	USD 1 = EUR 1 =	NAD 12.9343 NAD 14.2685	NAD 13.8404 NAD 15.1954	NAD 14.3960 NAD 15.2342	NAD 15.5552 NAD 16.9996
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B S	USD 1 = USD 1 =	NPR 102.58 NPR 103.18	NPR 103.92 NPR 104.52	NPR 106.52 NPR 107.12	NPR 105.92 NPR 106.52
	NPR	B S	EUR 1 = EUR 1 =	NPR 113.13 NPR 113.79	NPR 113.85 NPR 114.50	NPR 112.83 NPR 113.47	NPR 115.86 NPR 116.51
Netherlands							
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
	EUR						
New Caledonia ¹							
Nouméa 809	CFP franc	V 2	XPF 1,000 = XPF 1,000 =	USD 9.30 EUR 8.38	USD 9.23 EUR 8.38	USD 8.87 EUR 8.38	USD 9.12 EUR 8.38
New Zealand							
Wellington 804	New Zealand dollar = 100 cents	B S	NZD 1 = NZD 1 =	USD 0.7138 USD 0.6883	USD 0.6899 USD 0.6651	USD 0.6680 USD 0.6438	USD 0.6995 USD 0.6745
	NZD	B S	NZD 1 = NZD 1 =	EUR 0.6454 EUR 0.6174	EUR 0.6305 EUR 0.6031	EUR 0.6336 EUR 0.6058	EUR 0.6426 EUR 0.6147

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M V, M	USD 1 = EUR 1 =	NIO 27.3105 NIO 30.16196	NIO 27.7015 NIO 30.51874	NIO 27.8128 NIO 29.42316	NIO 27.9283 NIO 30.40554
Niger ¹							
Niamey 240	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Nigeria							
Abuja 288	Naira = 100 kobo NGN	B S	USD 1 = USD 1 =	NGN 192.41 NGN 193.41	NGN 196.00 NGN 197.00	NGN 196.00 NGN 197.00	NGN 196.00 NGN 197.00
		B S	EUR 1 = EUR 1 =	NGN 213.1516 NGN 214.2602	NGN 216.0508 NGN 217.1531	NGN 207.2896 NGN 208.3472	NGN 213.5616 NGN 214.6512
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B S	USD 1 = USD 1 =	NOK 8.0474 NOK 8.1007	NOK 8.5235 NOK 8.5825	NOK 8.6688 NOK 8.7278	NOK 8.7691 NOK 8.8281
		B S	EUR 1 = EUR 1 =	NOK 8.9594 NOK 9.0185	NOK 9.3642 NOK 9.4292	NOK 9.1742 NOK 9.2392	NOK 9.5831 NOK 9.6481
Oman							
Muscat 649	Rial Omani = 1,000 baiza OMR	B S	USD 1 = USD 1 =	OMR 0.3840 OMR 0.3850	OMR 0.3840 OMR 0.3850	OMR 0.3840 OMR 0.3850	OMR 0.3840 OMR 0.3850
		B S	EUR 1 = EUR 1 =	OMR 0.4243904 OMR 0.4256239	OMR 0.4195968 OMR 0.4208820	OMR 0.4063488 OMR 0.4075610	OMR 0.4196352 OMR 0.4208820
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B S	USD 1 = USD 1 =	PKR 102.50 PKR 102.70	PKR 105.00 PKR 105.20	PKR 105.30 PKR 105.50	PKR 104.60 PKR 104.80
		B S	EUR 1 = EUR 1 =	PKR 113.65 PKR 113.87	PKR 115.23 PKR 115.45	PKR 111.47 PKR 111.68	PKR 114.32 PKR 114.54
Panama ¹							
Panama City 442	Balboa = 100 centésimos PAB	3 V	USD 1 = EUR 1 =	PAB 1 PAB 1.1095	PAB 1 PAB 1.1017	PAB 1 PAB 1.0579	PAB 1 PAB 1.0887
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B S	PGK 1 = PGK 1 =	USD 0.3671 USD 0.3521	USD 0.3500 USD 0.3350	USD 0.3450 USD 0.3300	USD 0.3400 USD 0.3250
		B S	PGK 1 = PGK 1 =	EUR 0.3297 EUR 0.3150	EUR 0.3162 EUR 0.3014	EUR 0.3231 EUR 0.3081	EUR 0.3089 EUR 0.2942

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro. ³ Parity in relation to US dollar.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Paraguay							
Asunción 520	Guaraní = 100 céntimos PYG	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	PYG 5,221.61 PYG 5,234.91 PYG 5,790.07 PYG 5,804.81	PYG 5,627.07 PYG 5,642.35 PYG 6,199.34 PYG 6,216.18	PYG 5,674.91 PYG 5,686.15 PYG 6,003.49 PYG 6,015.38	PYG 5,750.00 PYG 5,813.94 PYG 6,260.03 PYG 6,329.64
Peru							
Lima 504	Nuevo sol = 100 céntimos PEN	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	PEN 3.186 PEN 3.190 PEN 3.449 PEN 3.670	PEN 3.282 PEN 3.287 PEN 3.594 PEN 3.770	PEN 3.372 PEN 3.376 PEN 3.504 PEN 3.709	PEN 3.408 PEN 3.413 PEN 3.591 PEN 3.811
Philippines							
Manila 708	Philippine peso = 100 centavos PHP	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	PHP 45.05641 PHP 46.06485 PHP 49.84945 PHP 50.96459	PHP 46.14111 PHP 47.49889 PHP 50.65371 PHP 52.14428	PHP 46.46140 PHP 47.82860 PHP 49.29554 PHP 50.74615	PHP 46.37763 PHP 47.74237 PHP 50.87626 PHP 52.37338
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M M	USD 1 = EUR 1 =	PLN 3.7730 PLN 4.1848	PLN 3.8748 PLN 4.2652	PLN 4.0304 PLN 4.2639	PLN 3.9011 PLN 4.2615
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	QAR 3.6300 QAR 3.6502 QAR 3.952 QAR 4.093	QAR 3.6300 QAR 3.6502 QAR 3.908 QAR 4.048	QAR 3.6300 QAR 3.6502 QAR 3.784 QAR 3.924	QAR 3.6300 QAR 3.6502 QAR 3.910 QAR 4.051
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M M	USD 1 = EUR 1 =	RON 4.0062 RON 4.4401	RON 4.0252 RON 4.4322	RON 4.1975 RON 4.4460	RON 4.1477 RON 4.5245
Russian Federation							
Moscow 075	Russian rouble = 100 kopeken RUB	M M	USD 1 = EUR 1 =	RUB 61.2861 RUB 68.4684	RUB 64.3742 RUB 70.7537	RUB 66.2393 RUB 70.3859	RUB 72.8827 RUB 79.6972

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. **1** Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Rwanda							
Kigali 324	Rwanda franc = 100 centimes RWF	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	RWF 713.556558 RWF 727.826248 RWF 791.636938 RWF 807.468077	RWF 728.709884 RWF 743.282610 RWF 799.868404 RWF 815.864157	RWF 734.428775 RWF 749.115867 RWF 777.980401 RWF 793.538438	RWF 740.007558 RWF 754.806214 RWF 809.013263 RWF 825.191893
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound = 100 pence SHP	2 V 2 V	USD 1 = EUR 1 =	SHP 0.65420 SHP 0.72584	SHP 0.65190 SHP 0.71820	SHP 0.66623 SHP 0.70480	SHP 0.67415 SHP 0.73395
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents XCD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents XCD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents XCD	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 2.9826 XCD 3.0144	XCD 2.6882 XCD 2.7169 XCD 2.9616 XCD 2.9932	XCD 2.6882 XCD 2.7169 XCD 2.8438 XCD 2.8742	XCD 2.6882 XCD 2.7169 XCD 2.9266 XCD 2.9579
Samoa							
Apia 819	Tala = 100 sene WST	M M	WST 1 = WST 1 =	USD 0.39008 EUR 0.35283	USD 0.38040 EUR 0.34670	USD 0.37870 EUR 0.35760	USD 0.38510 EUR 0.35290
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos STD	B S M	USD 1 = USD 1 = EUR 1 =	STD 22,224.17 STD 22,557.53 STD 24,500.00	STD 22,415.37 STD 22,751.60 STD 24,500.00	STD 23,156.90 STD 23,504.25 STD 24,500.00	STD 22,423.58 STD 22,759.93 STD 24,500.00
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah SAR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SAR 3.7440 SAR 3.7540 SAR 4.0403 SAR 4.2823	SAR 3.7440 SAR 3.7540 SAR 3.9805 SAR 4.2885	SAR 3.7440 SAR 3.7540 SAR 3.8742 SAR 4.1007	SAR 3.7440 SAR 3.7540 SAR 3.9994 SAR 4.2328

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value (1:1) against the pound sterling.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Senegal ¹							
Dakar 248	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Serbia							
Belgrade 098	Serbian dinar = 100 para RSD	B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	RSD 108.5753 RSD 109.2288 RSD 120.3764 RSD 121.1008	RSD 109.6125 RSD 110.2721 RSD 120.3983 RSD 121.1229	RSD 114.2013 RSD 114.8885 RSD 120.8821 RSD 121.6095	RSD 110.9131 RSD 111.5805 RSD 121.2612 RSD 121.9910
Seychelles							
Victoria 355	Seychelles rupee = 100 cents SCR	B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SCR 12.9659 SCR 13.4927 SCR 14.3586 SCR 14.9151	SCR 12.7778 SCR 13.2513 SCR 14.1020 SCR 14.4874	SCR 12.6614 SCR 13.2745 SCR 13.5641 SCR 14.0724	SCR 13.0448 SCR 13.2068 SCR 13.9938 SCR 14.5573
Sierra Leone							
Freetown 264	Leone = 100 cents SLL	B S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SLL 5,041.44 SLL 5,143.28 SLL 5,565.69 SLL 5,678.13	SLL 5,330.41 SLL 5,438.10 SLL 5,872.51 SLL 5,991.15	SLL 5,516.72 SLL 5,628.17 SLL 5,836.14 SLL 5,954.04	SLL 5,571.16 SLL 5,683.71 SLL 6,065.32 SLL 6,187.86
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 = EUR 1 =	SGD 1.3764 SGD 1.5225	SGD 1.4018 SGD 1.5388	SGD 1.4131 SGD 1.4960	SGD 1.4139 SGD 1.5457
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cent ANG	B S	USD 1 = USD 1 = EUR 100 = EUR 100 =	ANG 1.78 ANG 1.82 ANG 196.73 ANG 200.69	ANG 1.78 ANG 1.82 ANG 196.22 ANG 200.17	ANG 1.78 ANG 1.82 ANG 188.42 ANG 192.21	ANG 1.78 ANG 1.82 ANG 193.90 ANG 197.81
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 = SBD 1 =	USD 0.1260 EUR 0.1145	USD 0.1234 EUR 0.1127	USD 0.1238 EUR 0.1167	USD 0.1240 EUR 0.1135

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Somalia ¹							
Mogadishu 342	Somali shilling SOS	M M	USD 1 = EUR 1 =
South Africa							
Pretoria Seat of Parliament: Cape Town 388	South African rand = 100 cents ZAR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	ZAR 12.6605 ZAR 12.9780 ZAR 14.0495 ZAR 14.4800	ZAR 13.6530 ZAR 13.9705 ZAR 15.0308 ZAR 15.4631	ZAR 14.2118 ZAR 14.5293 ZAR 14.9971 ZAR 15.4252	ZAR 15.3650 ZAR 15.6825 ZAR 16.6983 ZAR 17.1299
South Sudan ¹							
Juba 225	South Sudanese pound = 100 piastres SSP	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SSP 2.9377 ² SSP 2.9623 ² SSP 3.2421 ³ SSP 3.2800 ³	SSP 2.9377 SSP 2.9623 SSP 3.2218 SSP 3.2499	SSP 2.9377 SSP 2.9623 SSP 3.1054 ⁴ SSP 3.1326 ⁴	SSP 17.0128 ^{1 5} SSP 17.2872 ^{1 5} SSP 18.5984 ^{1 5} SSP 18.9036 ^{1 5}
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1017	USD 1.0579	USD 1.0887
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents LKR	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	LKR 134.72 LKR 138.24 LKR 148.39 LKR 154.02	LKR 138.56 LKR 143.05 LKR 151.08 LKR 157.89	LKR 141.01 LKR 145.34 LKR 148.11 LKR 154.57	LKR 141.94 LKR 146.18 LKR 154.07 LKR 160.47
Sudan							
Khartoum 224	Sudanese pound = 100 piastres SDG	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SDG 6.0172 SDG 6.0473 SDG 6.6521 SDG 6.6854	SDG 6.0771 SDG 6.1075 SDG 6.6404 SDG 6.6736	SDG 6.0771 SDG 6.1075 SDG 6.4344 SDG 6.4666	SDG 6.0771 SDG 6.1075 SDG 6.6447 SDG 6.6779
Suriname ¹							
Paramaribo 492	Suriname dollar = 100 cent SRD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SRD 3.368 SRD 3.465 SRD 3.712 SRD 3.819	SRD 3.250 SRD 3.350 SRD 3.552 SRD 3.662	SRD 3.960 ¹ SRD 4.040 ¹ SRD 4.190 ¹ SRD 4.275 ¹	SRD 3.960 SRD 4.040 SRD 4.327 SRD 4.414
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents SZL	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SZL 12.8764 SZL 12.9196 SZL 14.19967 SZL 14.24928	SZL 13.8215 SZL 13.8303 SZL 15.1815 SZL 15.1954	SZL 14.3865 SZL 14.4365 SZL 15.2324 SZL 15.2897	SZL 15.3065 SZL 15.3565 SZL 16.7300 SZL 16.7893
Sweden							
Stockholm 030	Swedish krona = 100 öre SEK	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	SEK 8.4006 SEK 8.4681 SEK 9.3083 SEK 9.3598	SEK 8.4856 SEK 8.5531 SEK 9.3519 SEK 9.4034	SEK 8.6980 SEK 8.7655 SEK 9.2285 SEK 9.2800	SEK 8.3199 SEK 8.3874 SEK 9.1185 SEK 9.1700

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.
² Pegged to the US dollar until mid-December 2015. ³ Average from January to

November 2015. ⁴ Exchange rate as of 1 December 2015. ⁵ Exchange rate as of 23 December 2015.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B B	USD 1 = EUR 1 =	CHF 0.9626 CHF 1.0635	CHF 0.9873 CHF 1.0867	CHF 1.0309 CHF 1.0906	CHF 0.9903 CHF 1.0817
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B S	USD 1 = EUR 1 =	SYP 241.34 SYP 265.85 SYP 267.72	SYP 267.80 SYP 269.41 SYP 294.54 SYP 296.61	SYP 293.91 SYP 295.68 SYP 311.17 SYP 313.36	SYP 310.87 SYP 312.74 SYP 340.95 SYP 343.34
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M M	USD 1 = EUR 1 =	TJS 6.1934 TJS 6.8665	TJS 6.6207 TJS 7.3026	TJS 6.7242 TJS 7.1142	TJS 6.9902 TJS 7.6389
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B S	USD 1 = EUR 1 =	TZS 1,990.8787 TZS 2,010.7875 TZS 2,195.1744 TZS 2,217.5630	TZS 2,155.5545 TZS 2,177.1100 TZS 2,355.5899 TZS 2,380.0167	TZS 2,138.4158 TZS 2,159.8000 TZS 2,263.2993 TZS 2,286.1483	TZS 2,137.8317 TZS 2,159.2100 TZS 2,335.7949 TZS 2,359.3688
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B S	USD 1 = EUR 1 =	THB 34.1461 THB 34.4524 THB 37.6767 THB 38.3431	THB 35.4457 THB 35.7589 THB 38.7341 THB 39.4362	THB 35.7339 THB 36.0549 THB 37.6249 THB 38.3219	THB 35.9233 THB 36.2538 THB 39.0780 THB 39.7995
Togo ¹							
Lomé 280	CFA franc XOF	V 2	USD 1 = EUR 1 =	XOF 591.219 XOF 655.957	XOF 595.404 XOF 655.957	XOF 620.056 XOF 655.957	XOF 602.514 XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M M	TOP 1 = TOP 1 =	USD 0.4723 EUR 0.4279	USD 0.4518 EUR 0.4109	USD 0.4460 EUR 0.4224	USD 0.4519 EUR 0.4131
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B S	USD 1 = EUR 1 =	TTD 6.3181 TTD 6.3733 TTD 6.9266 TTD 7.2816	TTD 6.3109 TTD 6.3990 TTD 6.8772 TTD 7.3551	TTD 6.3374 TTD 6.3933 TTD 6.5251 TTD 7.1680	TTD 6.3899 TTD 6.4493 TTD 6.8875 TTD 7.3421

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes TND	B S	USD 1 = USD 1 =	TND 1.9524 TND 1.9563	TND 1.9798 TND 1.9837	TND 2.0465 TND 2.0505	TND 2.0148 TND 2.0189
		B S	EUR 1 = EUR 1 =	TND 2.1625 TND 2.1668	TND 2.1842 TND 2.1886	TND 2.1653 TND 2.1697	TND 2.1941 TND 2.1984
Turkey							
Ankara 052	Turkish lira = 100 kuruş TRY	B S	USD 1 = USD 1 =	TRY 2.7200 TRY 2.7249	TRY 2.8943 TRY 2.8995	TRY 2.9195 TRY 2.9248	TRY 2.9076 TRY 2.9128
		B S	EUR 1 = EUR 1 =	TRY 3.0326 TRY 3.0381	TRY 3.1990 TRY 3.2048	TRY 3.0938 TRY 3.0994	TRY 3.1776 TRY 3.1833
Turkmenistan							
Ashgabat 080	Turkmen manat = 100 tenge TMT	M	USD 1 = EUR 1 =	TMT 3.50 TMT 3.8786	TMT 3.50 TMT 3.8535	TMT 3.50 TMT 3.7062	TMT 3.50 TMT 3.8287
Uganda							
Kampala 350	Uganda shilling UGX	B S	USD 1 = USD 1 =	UGX 3,257.40 UGX 3,267.41	UGX 3,555.19 UGX 3,565.19	UGX 3,352.12 UGX 3,362.12	UGX 3,372.01 UGX 3,382.01
		B S	EUR 1 = EUR 1 =	UGX 3,594.17 UGX 3,605.22	UGX 3,896.49 UGX 3,907.45	UGX 3,551.57 UGX 3,562.17	UGX 3,680.21 UGX 3,691.13
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 100 = EUR 100 =	UAH 2,199.5317 UAH 2,434.6740	UAH 2,290.3985 UAH 2,503.4056	UAH 2,388.4656 UAH 2,526.9966	UAH 2,400.0667 UAH 2,622.3129
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils AED	M V, M	USD 1 = EUR 1 =	AED 3.6725 AED 4.0565	AED 3.6725 AED 4.0460	AED 3.6725 AED 3.8851	AED 3.6725 AED 3.9983
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 = EUR 1 =	USD 1.5286 GBP 0.7236	USD 1.5443 GBP 0.7150	USD 1.5053 GBP 0.7016	USD 1.4819 GBP 0.7350
United States							
Washington 400	US dollar = 100 cents USD	B S	EUR 1 = EUR 1 =	USD 1.1029 USD 1.1032	USD 1.0994 USD 1.1001	USD 1.0563 USD 1.0568	USD 1.0863 USD 1.0866
		B S	GBP 1 = GBP 1 =	USD 1.5287 USD 1.5291	USD 1.5417 USD 1.5418	USD 1.5053 USD 1.5055	USD 1.4740 USD 1.4749

Source: Central bank or a commercial bank of the country concerned. * See
Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff.

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 2015	Rate at end of month		
					October 2015	November 2015	December 2015
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M M	USD 1 = EUR 1 =	UYU 27.389 UYU 30.3701	UYU 29.365 UYU 32.3176	UYU 29.581 UYU 31.2597	UYU 29.873 UYU 32.6019
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tyiin UZS	M M	USD 1 = EUR 1 =	UZS 2,575.45 UZS 2,871.14	UZS 2,677.75 UZS 3,030.23	UZS 2,735.74 UZS 2,931.67	UZS 2,809.98 UZS 3,074.19
Vanuatu							
Port Vila 816	Vatu VUV	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	VUV 108.71 VUV 114.17 VUV 119.79 VUV 124.37	VUV 111.45 VUV 117.05 VUV 122.19 VUV 126.86	VUV 111.19 VUV 116.78 VUV 117.70 VUV 122.20	VUV 109.98 VUV 115.50 VUV 119.99 VUV 124.59
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar = 100 céntimos VEF	2 B S 3 B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 = USD 1 = USD 1 = EUR 1 = EUR 1 =	VEF 6.2842 VEF 6.3000 VEF 6.94027048 VEF 6.95987250 VEF 195.6779 VEF 196.1683 VEF 215.634902 VEF 216.241590	VEF 6.2842 VEF 6.3000 VEF 6.91010632 VEF 6.92811000 VEF 199.0278 VEF 199.5267 VEF 218.850969 VEF 219.419512	VEF 6.2842 VEF 6.3000 VEF 6.64365624 VEF 6.66414000 VEF 199.0405 VEF 199.5394 VEF 210.425617 VEF 211.072777	VEF 6.2842 VEF 6.3000 VEF 6.86108956 VEF 6.88275000 VEF 198.2018 VEF 198.6986 VEF 216.396725 VEF 217.078221
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	VND 21,926 VND 21,993 VND 24,064.95 VND 24,381.26	VND 22,270 VND 22,350 VND 24,394.11 VND 24,648.32	VND 22,470 VND 22,540 VND 23,689.78 VND 23,931.78	VND 22,450 VND 22,540 VND 24,437.00 VND 24,713.30
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	YER 214.87 YER 214.91 YER 237.37 YER 237.41	YER 214.87 YER 214.91 YER 234.76 YER 234.80	YER 214.87 YER 214.91 YER 227.59 YER 227.63	YER 214.87 YER 214.91 YER 234.89 YER 234.93
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	ZMW 8.7719 ZMW 8.7919 ZMW 9.6840 ZMW 9.7081	ZMW 12.5360 ZMW 12.5560 ZMW 13.8360 ZMW 13.8618	ZMW 10.3085 ZMW 10.3285 ZMW 10.9064 ZMW 10.9317	ZMW 10.9706 ZMW 10.9906 ZMW 11.9416 ZMW 11.9644

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. **1** Explanatory notes on individual countries, see p 65 ff.

2 Official rate. **3** SIMADI (the annual averages relate to the period February to December 2015).

IV Overview of world currencies *

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

As of end-December 2015

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
Baker Island (832)	US dollar	Monaco 1 (001)	Euro
Balearics	Euro	Montenegro (097)	Euro
Bali	Indonesian rupiah	Montserrat (470)	East Caribbean dollar
Bonaire (475)	US dollar	Mooréa	CFP franc
Bora-Bora	CFP franc		
Borneo (northern part) (701)	Malaysian ringgit	Nauru (803)	Australian dollar
Borneo (southern part) (700)	Indonesian rupiah	Newfoundland	Canadian dollar
British Virgin Islands (468)	US dollar	Nicobar Islands	Indian rupee
Canary Islands (011)	Euro	Niue (838)	New Zealand dollar
Ceuta (021)	Euro	Norfolk Island (836)	Australian dollar
Chafarinas (Islands)	Euro	Northern Mariana Islands (820)	US dollar
Christmas Island (834)	Australian dollar		
Cocos Islands (833)	Australian dollar		
Désirade (001)	Euro		
Easter Island	Chilean peso	Palau (825)	US dollar
Ecuador (500)	US dollar	Pescadores	New Taiwan dollar
Faroe Islands 1 (041)	Danish krone	Pitcairn Islands Group (813)	New Zealand dollar
(French) Guiana (001)	Euro	Puerto Rico (400)	US dollar
French Polynesia (822)	CFP franc		
Galapagos Islands (500)	US dollar		
Gozo (Island of)	Euro		
Greenland (406)	Danish krone		
Guadeloupe (001)	Euro		
Guam (831)	US dollar		
Guernsey 1 (107)	British pound sterling		
Howland Island (832)	US dollar	Tahiti (822)	CFP franc
Isle of Man 1 (109)	British pound sterling	Tibet (720)	Chinese yuan renminbi
Jarvis Island	US dollar	Timor-Leste 1 (626)	US dollar
Java	Indonesian rupiah	Tokelau (839)	New Zealand dollar/Samoan tala
Jersey 1 (108)	British pound sterling	Turks and Caicos Islands 1 (454)	US dollar
Kiribati 1 (812)	Australian dollar	Tuvalu 1 (807)	Australian dollar
Kosovo (095)	Euro		
Laccadive Islands	Indian rupee		
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc	Wallis and Futuna (Islands) (811)	CFP franc
Zanzibar (Island) (352)		Western Sahara	Moroccan dirham
Zimbabwe (382)			
			Tanzania shilling
			US dollar 2

Sources: Central banks and The Statesman's Yearbook. * See Explanatory notes, p 61. 1 Local currency is also in use. 2 Principal currency; alongside the US dollar the following currencies were named as "official means of payment": South African rand,

euro, pound sterling, pula (since 2 February 2009); Japanese yen, Chinese yuan renminbi, Indian rupee, Australian dollar (since January 2014).

V Value of the special drawing right in selected currencies *

1 End of year

SDR 1 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
2012	1.53692	1.16583	0.953662	133.020	1.52954	1.40874	10.0140	8.69762	8.55432
2013	1.54000	1.11732	0.935148	162.162	1.63856	1.37291	10.0229	8.33556	9.41398
2014	1.44881	1.19332	0.928247	174.733	1.68076	1.43301	11.3176	8.86611	10.7693
2015	1.38573	1.27283	0.935104	167.116	1.91785	1.37478	11.5742	9.47221	12.2069

Source: IMF, Washington. * See Explanatory notes, pp 61–62. 1 ISO currency code: XDR.

2 End of month

SDR 1 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
2012 July	1.50833	1.22788	0.961575	117.876	1.51044	1.47530	10.2610	9.13626	9.11278
Aug	1.52201	1.20689	0.960929	119.402	1.50116	1.45200	10.1599	8.99297	8.80134
Sep	1.54219	1.19272	0.952499	119.628	1.51705	1.44272	10.0680	8.89229	8.78974
Oct	1.54057	1.18569	0.955922	122.691	1.53995	1.43057	10.2185	8.84502	8.75695
Nov	1.53481	1.18190	0.955849	126.545	1.52437	1.41970	10.2063	8.81686	8.71771
Dec	1.53692	1.16583	0.953662	133.020	1.52954	1.40874	10.0140	8.69762	8.55432
2013 Jan	1.54134	1.13752	0.976582	140.369	1.54010	1.40508	9.80286	8.48738	8.45745
Feb	1.51483	1.15380	0.997128	140.092	1.55800	1.41000	9.7482	8.60274	8.63849
Mar	1.49920	1.16987	0.990619	140.999	1.52139	1.42738	9.76134	8.73332	8.71612
Apr	1.50900	1.15437	0.974488	147.746	1.51986	1.41288	9.89844	8.60704	8.78194
May	1.49877	1.15237	0.985125	151.420	1.54958	1.42892	9.87264	8.59166	8.77408
June	1.50396	1.14982	0.987430	148.696	1.57594	1.42094	10.0970	8.57618	9.06569
July	1.51326	1.13993	0.995827	148.390	1.55669	1.40521	9.94194	8.49755	8.96604
Aug	1.51528	1.14490	0.977536	148.997	1.59907	1.40951	9.99111	8.54022	9.26286
Sep	1.53408	1.13594	0.949722	149.957	1.57780	1.38865	9.86368	8.47185	9.21693
Oct	1.53804	1.12751	0.959058	151.466	1.60402	1.39100	9.87547	8.40986	9.13734
Nov	1.53521	1.12916	0.940751	155.624	1.62655	1.38905	10.0835	8.42197	9.31897
Dec	1.54000	1.11732	0.935148	162.162	1.63856	1.37291	10.0229	8.33556	9.41398
2014 Jan	1.53420	1.13510	0.932079	157.747	1.70588	1.38431	10.0125	8.46998	9.6609
Feb	1.54740	1.12025	0.927257	157.526	1.71375	1.36450	10.0439	8.35988	9.26999
Mar	1.54563	1.12100	0.928695	158.968	1.70838	1.36633	10.0571	8.36925	9.25386
Apr	1.54969	1.11891	0.921285	158.967	1.69800	1.36698	10.1799	8.35143	9.25566
May	1.54047	1.13212	0.920785	156.573	1.67403	1.38149	10.2538	8.45059	9.21837
June	1.54589	1.13186	0.907482	156.599	1.65039	1.37631	10.4202	8.43889	9.51158
July	1.53131	1.14456	0.907013	157.388	1.66759	1.39226	10.5544	8.53424	9.62001
Aug	1.51838	1.15134	0.915131	157.472	1.64866	1.38856	10.5872	8.57979	9.37937
Sep	1.48258	1.17824	0.916305	162.150	1.66168	1.42046	10.7314	8.76978	9.56627
Oct	1.47833	1.18040	0.923728	163.459	1.66681	1.41757	10.8662	8.78735	10.0216
Nov	1.46424	1.17374	0.929973	172.546	1.64522	1.41446	10.8774	8.73218	9.98841
Dec	1.44881	1.19332	0.928247	174.733	1.68076	1.43301	11.3176	8.86611	10.7693
2015 Jan	1.40980	1.24706	0.934763	166.667	1.79285	1.30223	11.6534	9.28315	11.0159
Feb	1.40739	1.25213	0.912176	167.846	1.76037	1.33534	11.7788	9.34833	10.7357
Mar	1.37949	1.28217	0.932088	165.691	1.74961	1.34197	11.8956	9.57735	11.1594
Apr	1.40642	1.25405	0.911718	166.674	1.70444	1.31598	11.6984	9.35918	10.5145
May	1.39050	1.26755	0.911926	172.075	1.73326	1.30944	11.7894	9.45555	10.8198
June	1.40639	1.25694	0.894767	172.213	1.75433	1.30823	11.5871	9.37726	11.0497
July	1.39470	1.27172	0.895528	172.901	1.81966	1.34212	12.0354	9.48902	11.4474
Aug	1.40380	1.25172	0.914997	170.141	1.85624	1.35382	11.8760	9.34143	11.7142
Sep	1.40374	1.25300	0.923574	168.378	1.88016	1.36640	11.7748	9.34719	11.9341
Oct	1.39687	1.26793	0.910075	168.840	1.82753	1.38137	11.8987	9.45600	11.9096
Nov	1.37217	1.29707	0.914411	168.502	1.82951	1.41484	11.9797	9.67661	11.9245
Dec	1.38573	1.27283	0.935104	167.116	1.91785	1.37478	11.5742	9.47221	12.2069

Source: IMF, Washington. * See Explanatory notes, pp 61–62. 1 ISO currency code: XDR.

V Value of the special drawing right in selected currencies *

3 Daily rates

SDR 1 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
2015 Oct	1	1.40031	1.25554	0.925275	168.317	1.85428	1.36978	11.7407	9.36689	11.8730
	2	1.40096	1.25534	0.924787	167.905	1.85122	1.37182	11.7610	9.36452	11.8158
	5	1.40487	1.25033	0.924804	168.585	1.83828	1.36540	11.6850	9.32810	11.7369
	6	1.40328	1.25025	0.925463	169.053	1.83212	1.36792	11.6792	9.32827	11.7230
	7	1.40689	1.24879	0.918755	168.742	1.83401	1.36102	11.6203	9.31784	11.5612
	8	1.40903	1.25203	0.918291	169.112	1.83428	1.36338	11.5803	9.34143	11.5418
	9	1.41147	1.24227	0.920243	169.334	1.82729	1.35572	11.6015	9.26733	11.4159
	13	1.41162	1.24109	0.926072	169.182	1.83312	1.35501	11.4811	9.25952	11.5037
	14	1.41419	1.23943	0.920700	169.081	1.83590	1.35168	11.4781	9.24770	11.4524
	15	1.41792	1.23955	0.915558	168.705	1.82969	1.34816	11.5067	9.24855	11.4249
	16	1.41295	1.24379	0.914587	168.254	1.82737	1.34852	11.6403	9.27825	11.4435
	19	1.41218	1.24607	0.911436	168.487	1.83555	1.35032	11.6458	9.29463	11.4453
	20	1.41442	1.24366	0.913701	169.023	1.83506	1.34468	11.7078	9.27730	11.4858
	21	1.41283	1.24434	0.914336	169.398	1.85307	1.35363	11.7302	9.28229	11.5257
	22	1.41150	1.24768	0.911885	169.239	1.84737	1.35829	11.7557	9.30717	11.5709
	23	1.40040	1.26344	0.910059	169.364	1.84460	1.36427	11.8648	9.42498	11.6899
	26	1.39655	1.26833	0.910225	169.192	1.83423	1.37100	11.8485	9.46208	11.7016
	27	1.39878	1.26460	0.912267	168.930	1.85212	1.37668	11.8986	9.43387	11.8405
	28	1.39844	1.26156	0.914553	168.302	1.83867	1.37704	11.8978	9.41106	11.8839
	29	1.39315	1.27461	0.912825	168.140	1.83478	1.37894	11.8926	9.50561	11.9393
	30	1.39687	1.26793	0.910075	168.840	1.82753	1.38137	11.8987	9.45600	11.9096
Nov	2	1.39780	1.26704	0.903849	168.365	1.83042	1.37963	11.9040	9.45028	11.8304
	3	1.39516	1.27110	0.906010	168.867	1.82850	1.38149	11.8961	9.48083	11.8734
	4	1.39329	1.27416	0.903563	168.867	1.83413	1.37950	11.9330	9.50453	11.8847
	5	1.38999	1.27721	0.903171	168.897	1.83019	1.38470	11.9818	9.52699	11.8863
	6	1.38738	1.27704	0.916422	168.844	1.84632	1.38197	11.9879	9.52671	11.8400
	9	1.38165	1.28215	0.914754	170.371	1.83414	1.38552	12.0216	9.56489	11.9080
	10	1.37971	1.28813	0.913350	169.939	1.82936	1.38606	11.9857	9.60956	11.9493
	11	1.37986	1.28767	0.910142	169.557	1.83883	1.38883	11.9573	9.60642	11.8762
	12	1.38014	1.28672	0.908884	169.522	1.83655	1.38704	11.9877	9.59914	11.9974
	13	1.38408	1.28584	0.909322	169.633	1.84526	1.38602	11.9877	9.59325	11.9994
	16	1.38126	1.28813	0.909025	169.232	1.84440	1.38913	12.0023	9.61067	11.9860
	17	1.37794	1.29142	0.906479	170.010	1.83597	1.39558	12.0356	9.63568	11.9288
	18	1.37801	1.29196	0.905871	170.033	1.84006	1.39868	12.0321	9.63902	11.9293
	19	1.38087	1.29210	0.904601	170.192	1.83200	1.40365	12.0224	9.63948	11.9592
	20	1.37983	1.29101	0.903497	169.636	1.84041	1.40232	12.0206	9.63122	11.8818
	23	1.37556	1.29391	0.909397	168.993	1.83733	1.40541	11.9934	9.65344	11.8723
	24	1.37672	1.29258	0.911137	168.993	1.83214	1.40137	12.0097	9.64329	11.9033
	25	1.37356	1.29753	0.912001	168.151	1.82697	1.40241	11.9584	9.68035	11.9126
	30	1.37217	1.29707	0.914411	168.502	1.82951	1.41484	11.9797	9.67661	11.9245
Dec	1	1.37392	1.29615	0.911212	169.198	1.83721	1.41349	11.9446	9.66950	11.9266
	2	1.37335	1.29415	0.913559	168.813	1.83480	1.40961	11.9397	9.65335	11.8293
	3	1.36989	1.28375	0.917355	168.893	1.83483	1.40276	11.9214	9.57469	11.7770
	4	1.38672	1.27198	0.917381	170.012	1.85335	1.38602	11.8125	9.48947	11.7652
	7	1.38239	1.27893	0.917743	170.421	1.86733	1.38446	11.7666	9.54171	11.9280
	8	1.38411	1.27275	0.922739	170.440	1.88143	1.38052	11.7849	9.49559	12.1770
	9	1.38805	1.26867	0.920946	170.703	1.88706	1.37653	11.7654	9.46539	12.0994
	10	1.39134	1.27145	0.916809	169.201	1.89209	1.37214	11.7261	9.48614	11.9987
	11	1.39199	1.27123	0.918805	169.712	1.90648	1.37390	11.8290	9.48452	12.1257
	14	1.39224	1.26763	0.920793	168.350	1.91197	1.36774	11.8508	9.45779	12.1306
	15	1.39383	1.26827	0.919659	168.821	1.91345	1.37237	11.7667	9.46316	12.0416
	16	1.38817	1.26970	0.923907	169.190	1.91637	1.37401	11.7885	9.47409	12.1327
	17	1.38295	1.27567	0.927162	169.412	1.93198	1.37936	11.8049	9.51801	12.1329
	18	1.38360	1.27686	0.927472	169.491	1.92072	1.37599	11.8297	9.52708	12.1302
	21	1.38465	1.27383	0.929420	167.889	1.93713	1.37745	11.8515	9.50399	12.1759
	22	1.38793	1.26729	0.933193	168.287	1.93325	1.37433	11.7872	9.45582	12.0938
	23	1.38776	1.27131	0.932132	167.192	1.92344	1.37194	11.7284	9.48623	12.1118
	24	1.38920	1.26903	0.931038	167.955	1.92335	1.37017	11.7066	9.46575	12.0974
	28	1.39034	1.26833	167.453	167.453	1.37269	11.6706	9.46530	12.0635	
	29	1.38905	1.26831	0.937031	167.144	1.92384	1.37322	11.5929	9.47221	12.2057
	30	1.38686	1.26932	0.936435	167.116	1.92551	1.37368	11.5836	9.47221	12.2069
	31	1.38573	1.27283	0.935104	167.154	1.91785	1.37478	11.5742	9.47221	12.2069
2016 Jan	4	1.38759	1.27325	0.939461	165.831	1.93832	1.38565	11.6681	9.50092	12.2836
	5	1.37956	1.28379	0.940460	164.885	1.93042	1.39336	11.7424	9.57772	12.3090
	6	1.37963	1.28433	0.940893	163.486	1.94307	1.39163	11.7060	9.58148	12.3584
	7	1.38433	1.27376	0.950381	163.350	1.94650	1.38474	11.8850	9.50173	12.3523
	8	1.38434	1.27459	0.948047	163.767	1.95898	1.38323	11.7631	9.50814	12.3393
	11	1.38557	1.27257	0.951104	162.803	1.96821	1.38031	11.7976	9.49379	12.3147
	12	1.38215	1.27551	0.957698	163.154	1.97524	1.38215	11.7769	9.51692	12.2945
	13	1.37998	1.27587	0.958846	163.154	1.97254	1.39033	11.7858	9.51973	12.1957

Source: IMF, Washington. * See Explanatory notes, pp 61–62. 1 ISO currency code: XDR.

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2015

Exchange rate arrangement	Monetary Policy Framework					Monetary aggregate target	Inflation-targeting framework	Other 1			
	Exchange rate target			Other							
	US dollar	Euro	Exchange rate anchor Composite								
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste Zimbabwe	Kosovo Montenegro San Marino		Kiribati Tuvalu							
Currency board	Djibouti Hong Kong ECCU 2 Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		Brunei Darussalam							
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia South Sudan Turkmenistan United Arab Emirates Venezuela, Bolivarian Republic of	Cabo Verde Comoros Denmark 4 Sao Tome and Principe WAEMU 5 Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC 6 Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Morocco Samoa	Bhutan Lesotho Namibia Nepal Swaziland			Solomon Islands 3				
Stabilised arrangement	Cambodia Guyana Lebanon Maldives Suriname Trinidad and Tobago	Macedonia, former Yugoslav Republic	Singapore Viet Nam 7	Bangladesh 7 Bolivia, Plurinational State of 7 Burundi 7 Congo, Democratic Republic of the 7 Guinea 7 Sri Lanka 7 Yemen 7	Bangladesh 7 Bolivia, Plurinational State of 7 Burundi 7 Congo, Democratic Republic of the 7 Guinea 7 Sri Lanka 7 Yemen 7	Czech Republic 8	Azerbaijan 7 Costa Rica Egypt 7 Kazakhstan 9 Mauritania 8				
Crawling peg	Honduras 8 Nicaragua	Botswana									
Crawl-like arrangement	Jamaica 9	Croatia	Iran, Islamic Republic of 7 8 10 Libya	Belarus 7 China 7 Ethiopia 7 Rwanda 8 Tajikistan 7 Uzbekistan 7	Armenia 7 Dominican Republic 7 Guatemala 7	Angola 7 Argentina 7 Haiti 7 Lao People's Dem. Rep. 7 Papua New Guinea Switzerland 11 Tunisia 3 9					

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2015

Exchange rate arrangement	Monetary Policy Framework				
	Exchange rate target			Monetary aggregate target	Inflation-targeting framework
	US dollar	Euro	Exchange rate anchor Composite		
Pegged exchange rate within horizontal bands			Tonga		
Other managed arrangement	Liberia	Algeria Syrian Arab Republic		Myanmar Nigeria	Kyrgyzstan Malaysia Pakistan Sudan Vanuatu
Floating			Afghanistan Gambia Madagascar Malawi Mozambique Seychelles Sierra Leone Tanzania, United Republic of Ukraine Uruguay	Albania Brazil Colombia Georgia Ghana Hungary Iceland India Indonesia Israel Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania Russian Federation Serbia South Africa Thailand Turkey Uganda	Kenya ⁹ Mauritius Mongolia Zambia
Free floating			Australia Canada Chile Japan Mexico Norway Poland Sweden United Kingdom	Australia Canada Chile Japan Mexico Norway Poland Sweden United Kingdom	Somalia United States EMU Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2015, Table 2, IMF, Washington. * See Explanatory notes, pp 62–63. **1** Includes countries that have no explicitly stated nominal anchor but rather monitor various indicators in conducting monetary policy. **2** The members participate in the Eastern Caribbean Currency Union. **3** The country maintains a de facto exchange rate anchor to a composite. **4** The member participates in the ERM II. **5** The members participate in the West African Economic and Monetary Union. **6** The members participate in the Central

African Economic and Monetary Community. **7** The country maintains a de facto exchange rate anchor to the US dollar. **8** The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. **9** The central bank has taken preliminary steps toward inflation targeting. **10** The exchange rate arrangement was reclassified twice during this reporting period. **11** The country maintains a de facto exchange rate anchor to the euro.

VII ISO currency codes *

As of end-December 2015

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

* Extracted and compiled from ISO communications. 1 See Explanatory notes on individual countries, p 65 ff.

VII ISO currency codes *

As of end-December 2015

ISO Code	Currency	Country 1 or territory	ISO Code	Currency	Country 1 or territory	ISO Code	Currency	Country 1 or territory
MAD	Moroccan dirham	Morocco Western Sahara	SAR	Saudi riyal	Saudi Arabia	UYU	Uruguayan peso	Uruguay
MDL	Moldovan leu	Moldova, Republic of	SBD	Solomon Islands dollar	Solomon Islands	UZS	Uzbekistan sum	Uzbekistan
MGA	Ariary	Madagascar	SCR	Seychelles rupee	Seychelles			
MKD	Macedonian denar	Macedonia, former Yugoslav Republic of	SDG	Sudanese pound	Sudan	VEF	Bolívar	Venezuela, Bolivarian Republic of
MMK	Kyat	Myanmar	SEK	Swedish krona	Sweden	VND	Dong	Viet Nam
MNT	Togrog	Mongolia	SGD	Singapore dollar	Singapore	VUV	Vatu	Vanuatu
MOP	Pataca	Macao	SHP	Saint Helena pound	Saint Helena, Ascension and Tristan da Cunha			
MRO	Ouguiya	Mauritania	SLL	Leone	Sierra Leone	WST	Tala	Samoa
MUR	Mauritian rupee	Mauritius	SOS	Somali shilling	Somalia			
MVR	Rufiyaa	Maldives	SRD	Suriname dollar	Suriname	XAF	CFA franc	Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon
MWK	Malawi kwacha	Malawi	SSP	South Sudanese pound	South Sudan			
MXN	Mexican peso	Mexico	STD	Dobra	Sao Tome and Principe			
MYR	Malaysian ringgit	Malaysia	SVC	El Salvador colón	El Salvador	XCD	East Caribbean dollar	Anguilla Antigua and Barbuda Dominica Grenada Montserrat Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines
MZN	Metical	Mozambique	SYP	Syrian pound	Syrian Arab Republic			
NAD	Namibia dollar	Namibia	SZL	Lilangeni	Swaziland			
NGN	Naira	Nigeria	THB	Thai baht	Thailand			
NIO	Córdoba	Nicaragua	TJS	Somoni	Tajikistan	XOF	CFA franc	Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo
NOK	Norwegian krone	Norway Spitzbergen/ Spitsbergen	TMT	Turkmen manat	Turkmenistan			
NPR	Nepalese rupee	Nepal	TND	Tunisian dinar	Tunisia			
NZD	New Zealand dollar	New Zealand Cook Islands Niue Pitcairn Islands Group Tokelau	TOP	Pa'anga	Tonga			
			TRY	Turkish lira	Turkey			
			TTD	Trinidad and Tobago dollar	Trinidad and Tobago	XPF	CFP franc	New Caledonia French Polynesia Wallis and Futuna (Islands)
			TWD	New Taiwan dollar	China (Taiwan)			
OMR	Rial Omani	Oman	TZS	Tanzania shilling	Tanzania, United Republic of	YER	Yemeni rial	Yemen
PAB	Balboa	Panama						
PEN	Nuevo sol	Peru	UAH	Hryvnia	Ukraine	ZAR	South African rand	South Africa Lesotho Namibia
PGK	Kina	Papua New Guinea	UGX	Uganda shilling	Uganda			
PHP	Philippine peso	Philippines	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste	ZMW	Kwacha	Zambia
PKR	Pakistani rupee	Pakistan						
PLN	Polish złoty	Poland						
PYG	Guarani	Paraguay						
QAR	Qatari riyal	Qatar						Memo item
RON	Romanian leu	Romania				XAG	Silver	
RSD	Serbian dinar	Serbia				XAU	Gold	
RUB	Russian rouble	Russian Federation				XDR	Special drawing right	
RWF	Rwanda franc	Rwanda				XPD	Palladium	
						XPT	Platinum	

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

Council Regulation (EC) No 2866/98

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

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 109(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 109l(4), second sentence, of the Treaty, provides that the adoption of the conversion rates shall by itself not modify the external value of the ECU; whereas this is ensured by adopting as the conversion rates, the exchange rates against the ECU of the currencies of the Member States adopting the euro, as calculated by the Commission on 31 December 1998 according to the established procedure for the calculation of the daily official ECU rates;

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

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

has adopted this Regulation:

Article 1

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

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

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

Article 2

This Regulation shall enter into force on 1 January 1999.

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

■ Communiqué of the European Union of 31 December 1998

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

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

Danish krone	7.46038
Greek drachma	353.109

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

Council Regulation (EC)

No 1478/2000

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

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

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

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

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

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

has adopted this Regulation:

Article 1

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

= 340.750 Greek drachma".

Article 2

This Regulation shall enter into force on 1 January 2001.

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

Council Regulation (EC) No 1086/2006

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

The Council of the European Union,

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

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 tolars 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 tolars".

Article 2

This Regulation shall enter into force on 1 January 2007.

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

Council Regulation (EC) No 1134/2007

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

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

(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:

Article 1

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

" = 0.429300 Maltese liras".

Article 2

This Regulation shall enter into force on 1 January 2008.

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

Council Regulation (EC) No 1135/2007

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

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

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

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

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

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

has adopted this Regulation:

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

Article 1

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

"= 0.585274 Cyprus pounds".

Article 2

This Regulation shall enter into force on 1 January 2008.

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

Council Regulation (EC) No 694/2008

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

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

(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

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

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.

Council Regulation (EU) No 870/2013

of 9 July 2013 amending Regulation (EC) No 2866/98 as regards the conversion rate to the euro for Latvia (published in the Official Journal of the European Union L 243 of 12 September 2013)

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, Latvia is a Member State with a derogation as defined in Article 139(1) of the Treaty on the Functioning of the European Union.

(3) Pursuant to Council Decision 2013/387/EU of 9 July 2013 on the adoption by Latvia of the euro on 1 January 2014, Latvia fulfils the necessary conditions for the adoption of the euro and the derogation in favour of Latvia is abrogated with effect from 1 January 2014.

(4) The introduction of the euro in Latvia requires the adoption of the conversion rate between the euro and the Latvian lats. This conversion rate should be set at 0.702804 lats per 1 euro, which corresponds to the current central rate of the lats 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 Cyprus pound and the Luxembourg franc:

= 0.702804 Latvian lats".

Article 2

This Regulation shall enter into force on 1 January 2014.

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

Council Regulation (EU) No 851/2014

of 23 July 2014 amending Regulation (EC) No 2866/98 as regards the conversion rate to the euro for Lithuania (published in the Official Journal of the European Union L 233 of 6 August 2014)

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 those conversion rates as from 1 January 1999.

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

(3) Pursuant to Council Decision 2014/509/EU of 23 July 2014 on the adoption by Lithuania of the euro on 1 January 2015, Lithuania fulfils the necessary conditions for the adoption of the euro and the derogation of Lithuania is abrogated with effect from 1 January 2015.

(4) The introduction of the euro in Lithuania requires the adoption of the conversion rate between the euro and the Lithuanian litas. This conversion rate should be set at 3.45280 litas per 1 euro, which corresponds to the current central rate of the litas 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 Latvian lats and the Luxembourg franc:

= 3.45280 Lithuanian litas".

Article 2

This Regulation shall enter into force on 1 January 2015.

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

■ Explanatory notes

■ Euro foreign exchange reference 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 51-57). On 1 January 2001, Greece joined European Monetary Union, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014 and Lithuania on 1 January 2015 (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 foreign exchange reference 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 60 shows trading partners' membership of the EER-12, EER-19 and EER-38 groups as well as their percentage

weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the first period. For information on the revision of trade weights carried out in August 2015, see the ECB's website (www.ecb.europa.eu/stats/exchange/effective/html/index.en.html).

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 rates 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.europa.eu).

■ 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 methodologically 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 August 2015, pp 40-42).

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

The group of 26 selected industrialised countries comprises 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 37 countries comprises the euro-area countries and the EER-19 group. The group of 56 countries consists of the euro-area countries as well as the EER-38 group.

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

Figures in %

As of August 2015

Trading partner	Calculation period for weights														
	EER-12					EER-19					EER-38				
	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012
	Period of use of weights														
Trading partner	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010
EER-38 group											100	100	100	100	100
EER-19 group						100	100	100	100						
EER-12 group	100	100	100	100	100										
Australia	1.05	1.16	1.30	1.42	1.59	0.87	0.90	0.92	0.91	0.96	0.71	0.74	0.75	0.73	0.76
Canada	2.31	2.46	2.50	2.56	2.52	1.91	1.91	1.77	1.63	1.52	1.57	1.57	1.44	1.32	1.21
Denmark	3.43	3.60	3.83	4.14	3.60	2.84	2.80	2.72	2.65	2.17	2.34	2.30	2.20	2.13	1.73
Hong Kong	2.52	2.41	2.64	2.62	2.96	2.08	1.87	1.87	1.67	1.78	1.71	1.54	1.52	1.35	1.42
Japan	13.00	11.84	11.57	11.17	11.11	10.76	9.21	8.22	7.14	6.69	8.85	7.58	6.66	5.75	5.33
Korea, Republic of	3.99	4.39	5.62	6.24	6.59	3.30	3.41	3.99	3.99	3.97	2.72	2.81	3.23	3.21	3.16
Norway	1.71	1.64	1.84	2.08	1.98	1.42	1.27	1.31	1.33	1.19	1.17	1.05	1.06	1.07	0.95
Singapore	2.34	2.18	2.45	2.32	2.62	1.93	1.69	1.74	1.48	1.58	1.59	1.39	1.41	1.19	1.26
Sweden	6.46	6.17	7.16	7.58	7.51	5.34	4.79	5.08	4.84	4.52	4.39	3.95	4.12	3.90	3.60
Switzerland	8.79	9.12	9.33	10.33	11.48	7.27	7.09	6.63	6.61	6.91	5.98	5.84	5.37	5.32	5.51
United Kingdom	25.94	25.90	24.79	23.27	21.57	21.46	20.13	17.61	14.88	12.99	17.65	16.58	14.26	11.97	10.34
United States	28.46	29.14	26.96	26.28	26.45	23.55	22.65	19.15	16.81	15.93	19.37	18.65	15.51	13.52	12.68
Additional countries in the EER-19 group						0.36	0.45	0.55	0.63	0.62	0.30	0.37	0.44	0.51	0.49
Bulgaria						6.47	9.21	13.82	18.37	22.18	5.32	7.58	11.20	14.78	17.67
China						0.54	0.61	0.65	0.63	0.47	0.44	0.50	0.53	0.51	0.37
Croatia						2.91	3.65	4.19	5.07	5.18	2.39	3.01	3.40	4.08	4.12
Czech Republic						2.62	3.02	3.16	3.17	2.85	2.16	2.48	2.56	2.55	2.27
Hungary						3.37	3.97	4.88	6.24	6.40	2.78	3.27	3.95	5.02	5.10
Poland						0.98	1.36	1.71	1.96	2.08	0.80	1.12	1.39	1.57	1.66
Romania															
Additional countries in the EER-38 group											0.28	0.35	0.35	0.38	0.40
Algeria											0.49	0.27	0.26	0.30	0.38
Argentina											1.38	1.21	1.24	1.38	1.43
Brazil											0.31	0.32	0.42	0.42	0.41
Chile											2.38	2.09	1.83	1.50	1.52
China (Taiwan)											0.06	0.07	0.08	0.09	0.09
Iceland											1.35	1.46	1.76	2.15	2.45
India											0.78	0.73	0.61	0.62	0.69
Indonesia											1.01	0.88	0.72	0.67	0.68
Israel											1.15	1.17	1.13	1.05	1.02
Malaysia											1.18	1.28	1.19	1.20	1.33
Mexico											0.62	0.57	0.61	0.58	0.59
Morocco											0.11	0.13	0.13	0.11	0.10
New Zealand											0.52	0.50	0.42	0.30	0.28
Philippines											1.83	2.22	2.98	3.47	3.49
Russian Federation											0.89	0.92	1.03	0.95	0.98
South Africa											0.99	1.02	1.04	1.10	1.12
Thailand											2.21	2.30	3.04	3.13	3.26
Turkey											0.22	0.18	0.16	0.15	0.15
Venezuela, Bolivarian Republic of															

^o Figures have been rounded. The ECB also publishes weighting schemes and indicators for a group of 18 countries which corresponds to the EER-19 group excluding Croatia. The full history of weighting scheme, starting from 1995, can be found on the Bundesbank's website at http://www.bundesbank.de/Navigation/EN/Statistics/External_sector/Effective_exchange_rates_of_the_euro/effective_exchange_rates_of_the_euro.html

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV 1 (pp 20-42) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar 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 name 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 systems / External sector / Code lists.

■ Value of the special drawing right

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

The composition of the currency basket as well as the weight and amounts of the currency units in the basket are reviewed every five years. As a result of the 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 of the initial new percentage weights (column (b)) such that, on 30 Decem-

ber 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

In August 2015, the IMF's Executive Board extended the use of the existing SDR basket until 30 September 2016.

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

In the most recently concluded review (November 2015), the Executive Board decided that, effective 1 October 2016, the Chinese yuan renminbi (CNY) will be included in the SDR basket as the fifth currency.

The current criteria for inclusion were adopted by the Executive Board in 2000. They establish that the SDR basket comprises the currencies that are issued by member countries or monetary unions whose exports had the largest value over a five-year period, and have been determined by the IMF to be "freely usable". In the case of a monetary union, exports of goods and services do not cover cross-border trade between the members of the monetary union.

The export criterion, which acts as a "gateway", aims to ensure that currencies that qualify for the basket are those issued by member countries or monetary unions that play a central role in the global economy. This criterion has been part of the SDR methodology since the 1970s.

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was incorporated in 2000 to reflect formally the importance of financial transactions for the purposes of valuing the SDR basket.

A "freely usable" currency is defined in the IMF's Articles of Agreement to mean a currency that the IMF determines is, in fact, widely used to make payments for international transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

In its November 2015 decision, the Executive Board deemed that China, as the world's third-largest exporter, met the first inclusion criterion. The IMF also determined the CNY to be freely usable, thus meeting the second criterion for basket inclusion.

The IMF also adopted a new formula for determining currency weights in the SDR basket. It assigns equal shares to the currency issuer's exports and a composite financial indicator. The financial indicator comprises, in equal shares, official reserves denominated in the member country's (or monetary union's) currency that are held by other monetary authorities that are not issuers of the relevant currency, foreign exchange turnover in the relevant currency, and the sum of all outstanding international bank liabilities and international debt securities denominated in the currency.

The following percentage weights based on the new formula will be used to determine the amounts of each of the five currencies in the new SDR basket that will take effect on 1 October 2016:

US dollar	41.73
Euro	30.93
Chinese yuan renminbi	10.92
Japanese yen	8.33
Pound sterling	8.09

The amounts of each currency in the revised basket will be calculated on 30 September 2016, in accordance with the above-listed weights. The calculation will be made on the basis of the average exchange rates for these currencies over the three months ending on that date, in a manner that ensures that the value of the SDR will be the same on 30 September 2016 under the revised valuation basket. The IMF will publish illustrative currency amounts in the weeks leading up to 1 October 2016.

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies 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 2015 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2015*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

The IMF's classification system is generally 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. The IMF's system distinguishes between four major categories. The category "hard pegs" (fixed exchange rate anchors) is subdivided into exchange arrangements with no separate legal tender and currency board arrangements (institutionalised, unilateral exchange rate peg). The category "soft pegs" (less stringent exchange rate anchors) comprises conventional fixed peg arrangements (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. The category "floating regimes" (market-determined rates) distinguishes between free-floating rates (intervention in exceptional cases only) and floating rates (more frequent modes of intervention). All other exchange rate arrangements are grouped under the category "residual" (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, 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 authority 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 rather 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

Angola

With effect from 4 January 2016, the exchange rates were adjusted more sharply.

We recorded the following exchange rates (buying/selling) for this date:

USD 1 = AOA 154.838 / 156.386
EUR 1 = AOA 168.835 / 170.492

On the basis of the exchange rates at the end of December 2015 (see page 20) and the above-mentioned rates, the kwanza experienced a devaluation of 13.0% against the US dollar and 12.9% against the euro.

Argentina

With effect from 17 December 2015, the de facto peg of the Argentine peso to the US dollar was abandoned.

We recorded the following exchange rates (buying/selling).

16 December 2015	USD 1 = ARS 9.726 / 9.826
	EUR 1 = ARS 10.6179 / 10.7516
17 December 2015	USD 1 = ARS 13.300 / 13.400
	EUR 1 = ARS 14.3680 / 14.5095

Calculated using these exchange rates, the Argentine peso experienced a devaluation of 26.8% against the US dollar and 26.0% against the euro (on average).

Azerbaijan

With effect from 21 December 2015, the de facto peg of the Azerbaijan manat to the US dollar was abandoned.

We recorded the following exchange rates.

18 December 2015	USD 1 = AZN 1.0499
	EUR 1 = AZN 1.1394
21 December 2015	USD 1 = AZN 1.5500
	EUR 1 = AZN 1.6850

Calculated using these exchange rates, the Azerbaijan manat experienced a devaluation of 32.3% against the US dollar and 32.4% against the euro.

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 Economic and Monetary Union (UEMOA = Union Économique et 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

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC = Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the "Banque des Etats de l'Afrique Centrale", 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 convertible peso (CUC), which is primarily intended for use by foreigners, there is the Cuban peso (CUP), which is generally used to pay wages and salaries.

In its national accounts, the Cuban government has set the CUC to CUP exchange rate at 1:1. In reality, Cuban pesos can only be exchanged for convertible pesos at a considerable discount.

With effect from 18 March 2005, the Cuban central bank decreed (Acuerdo no 13/2005) that the exchange rate for currency conversion by individuals would be as follows.

The government foreign exchange bureaus (CADECA - casas de cambio) will pay CUP 24 per CUC or USD. Individuals wanting to purchase CUC must, as of that date, pay CUP 25 per CUC.

The euro is also an accepted form of payment in some tourist locations.

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.

Greece

Greece imposed capital controls by way of a decree dated 28 June 2015; these controls have been renewed and amended several times. As a rule, a permit is needed for payments above a certain threshold to recipients outside Greece.

The Greek Ministry of Finance agreed to further relax capital controls in a legislative act dated 25 September 2015.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts: 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

Alongside the published exchange rates, there are bureau de change rates, which deviate, and stood at USD 1 = IRR 36,700 and EUR 1 = IRR 40,350 at the end of December 2015, according to the German Embassy in Tehran.

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.

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.

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 are available for the Somali shilling.

South Sudan

In mid-December 2015 the peg of the South Sudanese pound to the US dollar was abandoned.

On the basis of the exchange rates of 1 and 23 December 2015 (see page 39), the South Sudanese pound experienced a devaluation of 82.8% against the US dollar and 83.4% against the euro (on average).

Suriname

With effect from 19 November 2015, the exchange rates (buying/selling) between the Surinamese dollar (SRD) and the US dollar (USD) of USD 1 = SRD 3.250 / 3.350 were changed to USD 1 = SRD 3.960 / 4.040; this corresponds to a depreciation of the Surinamese dollar vis-à-vis the US dollar of 17.5% (on average).

For the euro (EUR), the most recent exchange rates (buying/selling) before and after the change which were known to us were

18 November 2015	EUR 1 = SRD 3.468 / 3.575
19 November 2015	EUR 1 = SRD 4.224 / 4.309.

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.

Venezuela, Bolivarian Republic of

In addition to the official market and the auction procedure SICAD (Sistema Complementario de Administración de Divisas), the forex trading system SIMADI (Sistema Marginal de Divisas) was launched with effect from 12 February 2015.

There is still a black market in which, according to financial information providers, the exchange rate for the US dollar stood at around 850 bolívares in mid-November 2015.

Exchange rate application

Official exchange rate

For debt service payments by public-sector entities and for authorised transactions.

SIMADI

For the purchase of foreign exchange by natural and legal persons, eg in the form of foreign notes and coins and currency cheques (including traveller's cheques) and for

the sale of foreign currency to domestic households and importers in the form of foreign notes and coins as well as traveller's cheques or for credit transfers.

SICAD

For the purchase of foreign currency by registered importers and registered domestic households (eg for university studies abroad and for health, sports and culture-related purposes). The exchange rate as at the end of December 2015 was USD 1 = VEF 13.50.